Client Number: 020200025 Project ID: Seare 1528 9000 Northquie San Rafael, CA Work Order Number: C4-11-0454

ANALYTICAL RESULTS

TPH as Diesel in Soil

Method: Modified EPA 8015a

ATT Caralla Number		08	09	10	11
GTEL Sample Number		WO-1/2	wo-c	WO-2/4	NO-1/2
Client Identification	71.7	11/30/94	11/30/94	11/30/94	11/30/94
Date Sampled		12/02/94	12/02/94	12/02/94	12/02/94
Date Extracted		12/02/94	12/02/94	12/03/94	12/03/94
Date Analyzed		12/02/54	1-7, -7, -1		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	11
OTP surrogate, % recovery		74.5	91.5	76.4	92.4

GTEL Sample Number		12	13	14	GCI 120294
Client Identification		NO-2/4	NO/C	NO-3/5	METHÓD BLANK
Date Complete		11/30/94	11/30/94	11/30/94	-
Date Sampled		12/02/94	12/02/94	12/02/94	12/02/94
Date Extracted Date Analyzed		12/02/94	12/02/94	12/03/94	12/02/94
Analyte Detection Limit, mg/Kg			Concentra	tion, mg/Kg	
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier	I	1	1	1	1
OTP surrogate, % recovery		93.3	67.5	74.0	106

O-Terphenyl urrogate recovery acceptability limits are 50-150%. Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O. U.S. EPA, November, 1986.





020200025

ANALYTICAL RESULTS

Login Number:

C4110454

Project ID (number): 020200025

Project ID (name): Sears/#1528/9000 Northgate Hall, San Rafael

Yolatile Organics

Hethod: EPA 8015

Matrix: Solids

Chant III 1700/94 1700
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Date And Steel 11 Street 12 Street 1
Committee of the commit

	Reporting					
Analyte	Limit	Units	C	oncentration:Wet Weig	imt	
TPH as Gasoline	200 200 200 200 200 200 200 200 200 200	ma/ka <	1.00 3800	210	in it is a second of the second	
	The second of th	THE LINE OF THE PARTY.	88.9	87.9	93.3	82.3
BFB (surrogate)	· · · · · · · · · · · · · · · · · · ·					

Notes:

Dilection Factor:

Dilution factor in loates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SM-846. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability Timits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-219%.

GTEL Concord, CA C4110454:1



020200025

ANALYTICAL RESULTS

Login Number:

C4110454

Project ID (number): 020200025

Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

Voiatile Organics Nethod: EPA 8015

Matrix:

Solids

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	Reporting					
Analyte	Limit	Units	Cone	centration:Wet We		en also a service de la constanta de la consta
IFII as Gasoline	14-15-1-12-0	: mg/kg@ie<		A STORY OF THE PARTY OF THE PAR	the second second second second second	
BFB (surrogate)	**	<u> </u>	85.0	90.6	87.9	***

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EM 6015:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Hethods". SX-846. Third Edition including promulgated Modern 1. Modification for TPH as gaspline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bronofluoropenzene (BFB) surropate is 60-119%.

1528(9)





Northwest Region 4080-C Pike Lane Concord, CA 94520 (510) 685-7852 (800) 544-3422 from inside California (800) 423-7143 from outside California (510) 825-0720 (FAX) Client Number: 020200025 Project ID: Sears #1528

Northgate Mali San Farisel

Work Order Number: C4-12-0011

December 13, 1994

Eileen Brennan Groundwater Technology, Inc. 275 South Temple, Suite 321 Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33111 and 33113.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Rashmi Shah

Laboratory Director

1528(9)

Client Number: 020200025 Project ID: Sears #1528 Northgate Mall San Farfael Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		80	09	10	11
Client Identification		WO-1/2	Wo√	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg		Concentratio	n. ug/Kg	
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<\$
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	.<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5_	<5
Benzene	5	<5	<5	<5	<5<5

1525(5) Test Methods for Evaluating Solid Waste, SW-846. Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



Client Number: 020200025 Project ID: Seans #1528 Northgate Mell San Rafael Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240Aª

		08	09	10	11
GTEL Sample Number		WO-1/2	WO-C		NO-1/2
	Client Identification			WO-2/4	
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg		Concentratio	n, ug/Kg	
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20.	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	< 5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichtoroffuoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	t	1
DCE surrogate, % recovery		92.5	95.8	98.1	95.9
TOL surrogate, % recovery		101	110	107	110
BFB surrogate. % recovery		106	98.9	101	92.4

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



Client Number: 020200025 Project ID: Sears #1528 Northgate Mall Sen Rafael Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	-
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg		Concentratio	n, ug/Kg	
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	< 10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5_	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichtoroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	< 5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<\$
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

Test Methods for E-reluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight brisis.



Client Number: 020200025 Project ID: Sears #1528 Northgate Mall San Pixtael Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240Aa

GTEL Sample Number		12	13	14	120594 MSC
Client Identification	Client Identification		NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg		Concentratio	n, ug/Kg	
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chioroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichiorobenzene	10	<10	<10	<10	<10
1,3-Dichiorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		101	103	94.7	94.6
TOL surrogate, % recovery		115	92.1	112	101
BFB surrogate, % recovery		96.9	95.6	102	102

Test Methods for Evaluating Solid Waste, SW-848, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



CRem Number: 020200025
Project ID: Seers #1528
Northgate Melt San Rafael
Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240Aa

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled					
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg		Concentration	n, ug/Kg	
Chloromethane	10	<10			
Bromomethane	10	<10			
Vinyl chloride	10	<10			
Chloroethane	10	<10			
Methylene chloride	5	<5			
Acetone	50	<50			
Carbon disulfide	5	<5			
1,1-Dichloroethene	5	<5			
1,1-Dichloroethane	5	<5			
1,2-Dichloroethene, total	5	<5			
Chloroform	5	<5			
1,2-Dichloroethane	5	<5			
2-Butanone	20	<20			
1,1.1-Trichloroethane	5	<5			
Carbon tetrachloride	5	<5			
Vinyl acetate	50	<50			
Bromodichloromethane	5	<5			
1,2-Dichloropropane	5	<5			
cis-1,3-Dichloropropene	5	<5			
Trichloroethene	5	<5			
Dibromochloromethane	5	<5			
1,1,2-Trichloroethane	5	<5		į	
Benzene	5	<5			

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



Client Number: 020200025 Project ID: Sears #1528 Northgate Mell San Pafael Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled					
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg		Concentrati	оп, ца/Ка	
trans-1,3-Dichloropropene	5	<5		1	
2-Chloroethylvinyl ether	10	<10			
Bromoform	5	<5			
4-Methyl-2-pentanone	20	<20			
2-Hexanone	20	<20			
Tetrachloroethene	5	<5			
1,1,2,2-Tetrachloroethane	5	<5			
Toluene	5	<5			
Chlorobenzene	5	<5			
Ethylbenzene	5	<5	T	<u> </u>	
Styrene	5	<5			
1,2-Dichlorobenzene	10	<10			
1,3-Dichlorobenzene	10	<10			1
1,4-Dichlorobenzene	10	<10			
Xylene, total	10	<10			
Trichlorofluoromethane	5	<5			
Detection Limit Multiplier		1			
DCE surrogate, % recovery		105			
TOL surrogate, % recovery		113			1
BFB surrogate. % recovery		96.2			

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Pasults reported on a wet weight basis



Client Number: 020200025 Project ID: Sears #1528 Northgate Mall San Parisel Work Order Number: C4-12-0011

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLC)_g

GTEL Sample Number			08	09	10	11
Client Identification			WO-1/2	WC-C	WO-2/4	NO-1/2
Date Sampled			11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared (Method 3055t	12/07/94	12/07/94	12/07/94	12/07/94		
Date Analyzed (Method 6010)	12/08/94	12/08/94	12/08/94	12/08/94		
Date Analyzed (Method 7060)			12/08/94	12/08/94	12/08/94	12/08/94
Date Prepared and Analyzed (Method 7470)			12/07/94	12/07/94	12/07/94	12/07/94
EPA Detection Analyte Methoda Limit, mg/Kg			Concentration, mg/Kg			
Antimony	EPA 6010°	5	<5	<5	<5	<5
Arsenic	EPA 7060 ^d	0.5	5.5	6.3	2.5	4.0
Barium	EPA 6010°	1	150	180	5 5	100
Beryllium	EPA 6010°	0.5	0.6	<0.5	<0.5	<0.5
Cadmium	EPA 6010°	0.5	<0.5	< 0.5	<0.5	<0.5
Chromium, total	EPA 6010°	1	30	62	38	92
Cobalt	EPA 6010°	1	9	15	8	19
Copper	EPA 6010°	1	28	27	11	17
Lead	EPA 6010°	5	8	9	<\$	6
Mercury	EPA 7470°	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	EPA 6010°	1	1	1	<1	<1
Nickel	EPA 6010°	2	41	90	59	100
Selenium	EPA 6010°	5	<5	<5	<£	<5
Silver	EPA 6010°	1	<1	<1	<1	<u> </u> <1
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5
Vanadium	EPA 6010°	1	32	35	22	44
Zinc	EPA 6010°	5	58	56	34	35
Detection Umit Multiplier			1	1	1	<u> </u>

a. Test Methods for Evaluating Solid Waste, SW-846. Third Edition, Revision 0, US EPA November 1996. Fesults reported on a

wet weight basis.
Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
Inductively Coupled Argon Plasma (ICP).
Graphite Furnace Atomic Absorption (GFAA).
Cold Vapor Atomic Absorption (CVAA).





Client Number: 020200025

Project ID: Sears #1528
Northgate Mail Sen Refael
Work Order Number: C4-12-0011

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLC)a

GTEL Sample Number			12	13	14	120794 MET	
Client Identification	NO-2/4	NO/C	NO-3/5	METHOD BLANK			
Date Sampled	11/30/94	11/30/94	11/30/94	_			
Date Frepared (Method 3055b)		12/07/94	12/07/94	12/07/94	12/07/94	
Date Analyzed (Method 6010)			12/08/94	12/08/94	12/08/94	12/08/94	
Date Analyzed (Method 7060)	12/08/94	12/08/94	12/08/94	12/03/94			
Date Prepared and Analyzed	12/07/94	12/07/94	12/07/94	12/07/94			
EPA Detection Analyte Method* Limit, mg/Kg			Concentration, mg/Kg				
Antimony	EPA 6010°	5	<5	<5	<5	<5	
Arsenic	EPA 7060 ^d	0.5	9.3	6.2	7.5	<0.5	
Barium	EPA 6010°	1	130	120	170	<1	
Beryllium	EPA 6010°	0.5	<0.5	<0.5	0.6	<0.5	
Cadmium	EPA 6010°	0.5	< 0.5	<0.5	< 0.5	<0.5	
Chromium, total	EPA 6010°	1	68	51	210	<1	
Cobali	EPA 6010°	1	16	11	21	<1	
Copper	EPA 6010°	1	47	42	35_	<1	
Lead	EPA 6010°	5	6	6	8	<5	
Mercury	EPA 7470*	0.1	0.1	0.1	0.1	<0.1	
Molybdenum	EPA 6010°	1	1	<1	1	<1	
Nickel	EPA 6010°	2	110	85	180	<2	
Selenium	EPA 6010°	5	<5	<5	<5	<5	
Silver	EPA 6010°	1	<1	<1	<1<1	<1	
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5	
Vanadium	EPA 6010°	1	44	40	46	<1	
Zinc	EPA 6010°	5	69	80	70	<5	
Detection Limit Multiplier			1	1	1	1	

Test Methods for Evaluating Solid Waste, SW-846. Third Edition. Revision 0, US EPA November 1986. Results reported on a wet weight basis.

Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.

Inductively Coupled Argon Plasms (ICP).

Graphite Furnace Atomic Absorption (GPAA).

Cold Vapor Atomic Absorption (CVAA).

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APPENDIX B

SOIL SAMPLING TECHNIQUES - QUALITY ASSURANCE/QUALITY CONTROL, TPH-G AND BTEX, EPA METHOD 8020, LABORATORY REPORTS

SOIL SAMPLING TECHNIQUES QUALITY ASSURANCE AND QUALITY CONTROL

To prevent cross contamination between samples, the sampler was washed prior to each sampling using the "three bucket" wash system. This system involves the following steps:

- 1. washing the split-spoon sampler in a detergent and water solution
- 2. rinsing the sampler in tap water
- 3. rinsing the sampler in distilled water

To maintain the integrity of the samples, all samples were collected using the following methods:

- 1. collected in 6-inch brass sample tubes
- 2. sealed with foil or Teflon caps
- 3. wrapped with duct tape
- 4. properly labeled and listed on completed custody forms
- 5. placed in plastic bags
- 6. placed in a cooler and chilled on ice
- 7. delivered to a State-certified laboratory

All soil samples were refrigerated and stored at the laboratory for 30 days in case subsequent analyses were required.

(----

020200025

ANALYTICAL RESULTS

Login Number:

C4110454

Volatile Organics Method: EPA 8020

Project ID (number): 020200025

Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

Matrix: Solids

	The state of the s
STELL SAMPLE MEMBERS CALLIDES ON CATILOS A OZ	的一点,是一种,是是一种,我们就是一个人的人,但是一个人的人,他们也不是一个人。
	(0.5%) 医闭塞性 医试验 (3.5%) 医皮肤
大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大	ANNEX NA POLITICIA (ANN PARTE ANN ANT
	,然后没有这个人的,但是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的
	STUDIO DE LA COMPANIO DEL COMPANIO DE LA COMPANIO DEL COMPANION DEL COMPANION DEL COMPANIO DEL COMPANION DEL COMPANIO DEL COMPANION DEL COMPANIO DEL
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	Children to the control of the contr
	\$55.50 PARTICULAR CONTRACTOR AND
	X45XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

	Keporting					
Analyte	Limit	Units	Con	centration:Wet	Weight	
Benzene	0,005	mg/kg ≈		< 0.005	v 0.005	2000Y
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethy benzene	0.005	ng/kg	₹0.005	£0.005	2.0.005	20:00E
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPHEAS GAS	1.0	ng/kg		210	210	
BFB (Surrogate)		Z	96.9	86.5	66.2	85.2
Katan.						

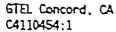
Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Nater Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromoflucrobenzene (BFB) surrogate is 60-119%.





020200025

AWALYTICAL RESULTS

Login Number:

C4110454

Project ID (number): 020200025

Project ID (name):

Sears/#1528/9000 Northgate Nall. San Rafael

Volatile Organic

Method: EPA 8021

Hatrix: Solide

	··
	。
你 <i>也开放了你们们们在在我们</i> 不可以是是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,他们	
	2000年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年

	Keporting					
Analyte	<u>Limit</u> l	Inits_	Cor	centration:Wet W	eiaht	
Berzene	0.005 p	g/kg		~~0.005	¥ 0:005	
Toluene	0.005 n	g/kg	< 0.005	< 0.005	< 0.005	
Ethy ibenzene	0.005	ø/kg	< 0.005	£ 0.005	¥70:005	
Xylenes (total)	0.015 л	g/kg	< 0 ₋ 015	< 0.015	< 0.015	
PRESCOS	1.0	4. Vel	2 E 0		0.15	
BFB (Surrogate)	# A	2	82.6	88.9	66.7	
Notes:						

Dilucion Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Maste, Physical/Chemical Methods", SM-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Mater Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate 1s 60-119%.

GTEL Concord, CA C4110454:2



020200025

ANALYTICAL RESULTS

Login Number:

C4120017

Volatile Organics Method: EPA 8020

Project ID (number): 020200025 Project ID (name):

Sears/1528/9000 Northgate Mall, San Rafael

Matrix: Solids

GTEL Sample Number C4120017-01 C4120017-02 C4120017-03 C4120017-04
DIECODDIDE REDECT COLLEGE CO.
Client ID MT 1/3 MT 6/3 IA 1/2 IA 2/2
Date Sampled 12/01/94 12/01/94 12/01/94 12/01/94
Date Analyzed 32/03/94 12/03/94 12/03/94 12/03/94
Date Analyzed 12/01/94 12/01/94 12/01/94 12/01/94
0.03 ±4± F±+±± 1.00 1.00 1.00 1.00 1.00
Ut intron factor 1.00 1.00 1.00 1.00

	Reporting					
Analyte	Limit	Units	Cor	centration:Wet W		
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Yvlenes (total)	0.015	ma/ka	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	Τ 0	ma/ka	< 1.0	< 1.0	< 1.0	< 1.0
RER (Surrogate)		omerodeoo	89.3	89.0	84.9	91.0
DED (SUITOGALE)						

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods", SW-846. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA C4120017:1



020200025

ANALYTICAL RESULTS

Login Number:

C4120017

Volatile Organics Method: EPA 8020

Project ID (number): 020200025 Project ID (name):

Sears/1528/9000 Northgate Mall. San Rafael

Matrix: Solids

GTEL Sample Number C4120017-05 C4120017-06 C4120017-07 C4120017-08	A 888888
PIC 2900 6 Manual CHIMANA CHIMANA CHIMANA CHIMANA AN CHIMANA AN	#300000
Client ID 18 3/2 18 2/2 BTE 1/3 BTE 2/7	A3333334
Client 10 18 1/2 IB 2/2 BIE 1/3 BIE 2/3	4 99093
37,700.00	A88888
Date Samoled 12/01/94 12/01/94 12/01/94 12/01/94 12/01/94	488888
	38888
Date Analyzed 12/01/94 12/01/94 12/01/94 32/01/94 32/01/94	-0000000000000000000000000000000000000
Date Analyzed 12/01/94 12/01/94 12/01/94 12/01/94 12/01/94	#88888
	288888
Dilution Eleter 1 DO 1 DO 1 DO 1 DO 1 DO	A888888
Ultiplicit (dupi	*********

	Reporting					
Analyte	Limit	Units		centration:Wet N	deight	
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	* =	X	72.1	62.9	82.4	83.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA C4120017:2



020200025

ANALYTICAL RESULTS

Login Number:

C4120017

Project ID (number): 020200025

Project ID (name):

Sears/1528/9000 Northgate Mall. San Rafael

Volatile Organics

Method: EPA 8020

Matrix: Solids

arm a 1 0 1 C4120027 00 C4120017 10
Fire Sample Number C417001/403 C417001/410
State and a
Chant TO ATE TVS ALE Z/4
CONTRACT CONTRACTOR
n-4 f1-d 12/01/08 12/01/04
Date Souther Triving Arrange
2012101 201011
Pate Analyzed 12/07/94 12/01/94 **
0000 1010 034-00
Nation Exists 7 00 100 ca ca
Di diciona accon accon accon accon accon accon accon accon accordance accon accordance accon accordance accord

	Reporting					
Analyte	Limit	Units		centration:Wet We	eight	
Benzene	0.005	mg/kg	< 0.005	< 0.005		
Toluene	0.005	mg/kg	< 0.005	< 0.005		
Ethy lbenzene	0.005	mg/kg	< 0.005	< 0.005	++	
Yvlenes (total)	0.015	mg/kg	< 0.015	< 0.015		
TPH as GAS	1.0	ma/ka	< 1.0	< 1.0		er-re-
BER (Surrogate)			90.5	84.1		

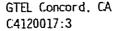
Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.





020200025

ANALYTICAL RESULTS

Login Number:

C4110454

Project ID (number): 020200025 Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael Volatile Organics

Hethod: EPA 8015

Matrix: Solids.

Reporting

Analyte	Limit Units	Concentration:We	t Weight	
TPH as Gasolfine	1;0 mg/kg	< 1.0 € € 1.0		Lincon was to the first the same of the same seems
8FB (surrogate)	X	88.9 87.9	93.3	02 3
Maran.				02.3

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SM-846, Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Mater Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord. CA C4110454:1



020200025

ANALYTICAL RESULTS

Login Number:

C4110454

Project ID (number): 020200025

Volatile Organics

Method: EPA 8015

Project ID (name): Sears/#1528/9000 Northgate Hall, San Rafael

Matrix: Sol 1ds

CANDASAN CAN	CONT. ACC.
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	8 7 10 07 2
	44.24
	221
	Massaur
	Art Wardle
	A COLUMN
	12 THI

Reporting

Analyte	Limit	<u>Units</u>	Con	centration:Wet W	eight	
TPH as Gisoline	1.0	mg/kg				
BFB (surrogate)		Y	85.0	90.6	87.9	-

Hotes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SN-846. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord. CA C4110454:2



Project ID (name): Sears/#1528/9000 Northgate Mall. San Rafael

GTEL Client ID:

020200025

QUALITY CONTROL RESULTS

Login Number: Project ID (number): 020200025

C4110454

Yolatile Organics Method: EPA 8020

Matrix:

Solids .

Method Blank Results

Concentration: mg/kg

QC Batch No:

A113094-1

Date Analyzed:

30-NOV-94

<u>Analyte</u> Method: EPA 8020 Benzene **200:00**50 Toluene < 0.0050 Ethylbenzene < 0.0050 Xylenes (Total) < 0.015

TPH 35 Gasoline 20110

Hotes:



APPENDIX C

TOTAL LEAD, EPA METHOD 6010, LABORATORY REPORTS

20200146 DIP



Client Number: 020200025 Project ID: Sears ≢1528 Northgete Mall Sen Rafael Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010^a

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1988. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		01	2	前心 03	BIH 04
Client Identification		ATW-1/3	ATW-2/3	BTE-1/3	B#E-2/3
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Umit, mg/Kg		Concentra	tion, mg/Kg	
Lead, total	5	10	6	7	9
Detection Limit Multiplier		1	1	1	1

lab error

GTEL Sample Number		05	06	07	120294 MET
Client Identification		MT-3/3	MT-4/4	MT-5/4	METHOD BLANK
Date Sampled '		11/30/94	11/30/94	11/30/94	4144
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed .		12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg		Concentrat	ion, mg/Kg	
Lead, total	5	9	8	<5	<5
Detection Limit Multiplier		1	1	1	1



Client Number: 020220225 Project ID: Sears 1598 9000 Northgen

Sen Paled
Work Order Number: C4-12-0218

ANALYTICAL RESULTS

Lead in Soil

EPA Method 8010s

Test Methods for Braiusting Bolid Waste, SW-848, Third liablion, Revision 0, US EPA November 1998. Sumple preparation by Method 3050. Familie reported on a west weight basis.

		O1	02	ନ୍ତ	3
GTEL Sample Number		MT 1/3	MT 6/3	W 1/2	M2/2
Client Identification		12/01/94	12/01/94	12/01/94	12/01/94
Date Sampled		12/02/94	12/02/94	12/02/94	12/02/94
Date Prepared		12/08/94	12/06/94	12/08/94	12/08/94
Date Analyzed		12/00/01	10/00/01		
Analysa	Detection Limit, mg/Kg		Concentra	ion, mg/Kg	
Lead, total	5	9	9	8	8
Detection Limit Multiplier		1	111	1	1

				2000	Λ0
GTEL Sample Number		05	06	07	<u> </u>
		IB 1/2	IB 2/2	BTE 1/3	STE 2/3
Client Identification		12/01/94	12/01/94	12/01/94	12/01/94
Date Sampled				12/02/94	12/02/94
Date Prepared		12/02/94	12/02/94		
Date Analyzed		12/06/94	12/06/24	12/06/94	12/06/94
Anglyto	Datection Limit. mg/Kg		Concentrati	ion, mg/Kg	
	2	9	10	11	10
Leed, total			4	1	1
Detection Limit Multiplior					



Client Number: C20100005 Project IC: Seele 1025 9000 Hering See Robert Work Order Number: C1-12-0016

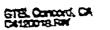
ANALYTICAL RESULTS

Lead in Soil

EPA Method 60108

Test Methods for Ensigning Solid Weste, SW-846, Third Esition, Parlaton D. US EPA November 1986. Stample preparation by Method 3050. Feedbe reported on a wet weight basis.

GTEL Sample Number		00	10	120294 MET	
Client identification		ATE 1/3	ATE 2/4	METHOD BLANK	
Date Sampled		12/01/94	12/01/94	-	
Date Prepared		12/02/94	12/02/94	12/02/94	···
Date Analyzed		12/08/94	12/06/94	12/08/94	
Analyte	Detection Limit, mg/Kg		Concentra	tion, mg/Kg	
Lead, total	5	7	8	<5	
Detection Limit Multiplier		1	1	1	





APPENDIX D

TPH-D, EPA METHOD MODIFIED 8015, LABORATORY REPORTS

Client Number: 020200025 Project ID: Sears 1528 9000 Northgate Sen Pafael, CA Work Order Number: C4-11-0454

ANALYTICAL RESULTS

TPH as Diesel in Soil

Method: Modified EPA 8015a

GTEL Sample Number		08	09	.10	11
Client Identification	. •	WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/03/94
Analyte	Detection Limit, mg/Kg		Concentrat	tion, mg/Kg	
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		74.5	91.5	76.4	92.4

GTEL Sample Number		12	13	14	GCI 120294
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled	Date Sampled		11/30/94	11/30/94	-
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/02/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		93.3	67.5	74.0	106

O-Terphenyl surrogate recovery acceptability limits are 50-150%. Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Pey. O, U.S. EPA, November, 1986.



APPENDIX E

TRPH, EPA METHOD 418.1, LABORATORY REPORTS

=

Client Number: 020200025 Project ID: Sears 1528

9000 Northgate San Rafael, CA Work Order Number: C4-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared		12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed		12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg				
Total Petroleum Hydrocarbons	5	7	110	19	<5
Detection Limit Multiplier		1	2.5	1	1

The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.

Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

Client Number: 020200025 Project ID: Sears 1528

9000 Northgate San Rafael, CA Work Order Number: C4-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number		12	13	14	120194 TPH
Client Identification		NO-2/4	NO-C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	••••
Date Prepared		12/01/94	12/01/94	12/01/94	12/01/94
Date Analyzed		12/01/94	12/01/94	12/01/94	12/01/94
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	11	26	<5	<5
Detection Limit Multiplier		1	1	1	1

The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.

Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.



APPENDIX F

VOLATILE ORGANICS, EPA METHOD 8240, LABORATORY REPORTS

20200146 DIP



Client Number: 020200025
Project ID: Sears #1528
Northgate Mail San Rafael
Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disuffide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5 [']	<5
Chloroform	5	<5	<5	<5	< 5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5 .	<5	<5	<5
Trichloroethene	5	<5	<5	.<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

Test Methods for Evaluating Solid Waste, SW-848, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



Client Number: 020200025 Project ID: Sears #1528 Northgate Mail San Rafael Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number	08	09	10	11	
Client Identification		WO-1/2	wo-c	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
trans-1,3-Dichloropropene	5	<5	<5	<5	<5ֿ
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	< 5	< 5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		92.5	95.8	98.1	95.9
TOL surrogate, % recovery		101	110	107	110
BFB surrogate, % recovery		106	98.9	101	92.4

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Including Update 1, US EPA July 1992 (method modified for additional compounds). Pesuits reported on a wet weight basis.



Otient Number: 020200025 Project ID: Seers #1528

Northgate Mail San Rafael
Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240Aª

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	***
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	< 5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	< 5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene			<5	<5	<5

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



Client Number: 020200025
Project ID: Sears ∉1528
Northgate Mall San Rafael
Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg		Concentratio	n, ug/Kg	
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromo form	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	< 5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		101	103	94.7	94.6
TOL surrogate, % recovery		115	92.1	112	101
BFB surrogate, % recovery		96.9	95.6	102	102

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



Client Number: 020200025 Project ID: Sears ≢1528 Northgate Mell San Rafael Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240Aª

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled					
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg		Concentration	on, ug/Kg	
Chloromethane	10	<10			
Bromomethane	10	<10			
Virnyl chloride	10	<10			
Chloroethane	10	<10			
Methylene chloride	5	<5			
Acetone	50	<50			
Carbon disulfide	5	<5			
1,1-Dichloroethene	5	<5			
1,1-Dichloroethane	5	<5			
1,2-Dichloroethene, total	5	<5			
Chloroform	5	<5			
1,2-Dichloroethane	5	<5			
2-Butanone	20	<20			
1,1,1-Trichloroethane	5	<5			
Carbon tetrachloride	5	<5			
Vinyl acetate	50	<50			
Bromodichloromethane	5	<5			
1,2-Dichloropropane	5	<5			
cis-1,3-Dichloropropene	5	<5			
Trichioroethene	5	<5			
Dibromochloromethane	5	<5	Ĭ		
1,1,2-Trichloroethane	5	<5			
Benzene	5	<5			7

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



Client Number: 020200025 Project ID: Sears #1528 Northgate Mall San Rafael Work Order Number: C4-12-0011

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240A^a

GTEL Sample Number		120694 MSC			
Client Identification		METHOD BLANK			
Date Sampled					
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg		Concentration	n, ug/Kg	
trans-1,3-Dichloropropene	5	<5			
2-Chloroethylvinyl ether	10	<10			
Bromoform	5	<5			
4-Methyl-2-pentanone	20	<20			
2-Hexanone	20	<20			·
Tetrachloroethene	5	<5			
1,1,2,2-Tetrachloroethane	5	<5			
Toluene	5	<5			
Chlorobenzene	5	<5			
Ethylbenzene	5	<5			
Styrene	5	<5			
1,2-Dichlorobenzene	10	<10			
1,3-Dichlorobenzene	10	<10			
1,4-Dichlorobenzene	10	<10			
Xylene, total	10	<10			
Trichlorofluoromethane	5	<5			
Detection Limit Multiplier		1			
DCE surrogate, % recovery		105			
TOL surrogate, % recovery		113			
BFB surrogate, % recovery		96.2			

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



APPENDIX G

CALIFORNIA ASSESSMENT METALS, STLC AND TTLC, LABORATORY REPORTS

Client Number: 020200025 Project ID: Sears #1528

Northgate Mail San Rafael

Work Order Number: C4-12-0011

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLC)_a

GTEL Sample Number			08	09	10	11			
Client Identification			WO-1/2	WO-C	WO-2/4	NO-1/2			
Date Sampled			11/30/94	11/30/94	11/30/94	11/30/94			
Date Prepared (Method 3055b)		12/07/94	12/07/94	12/07/94	12/07/94			
Date Analyzed (Method 6010)			12/08/94	12/08/94	12/08/94	12/08/94			
Date Analyzed (Method 7060)			12/08/94	12/08/94	12/08/94	12/08/94			
Date Prepared and Analyzed	Method 7470))	12/07/94	12/07/94	12/07/94	12/07/94			
Analyte	EPA Methoda	Detection Limit, mg/Kg		Concentral	ion, mg/Kg				
Antimony	EPA 6010°	5	<5	<5	<5	<5			
Arsenic	EPA 7060d	0.5	5.5	6.3	2.5	4.0			
Barium	EPA 6010°	1	150	180	55	100			
Beryllium	EPA 6010°	0.5	0.6	<0.5	<0.5	< 0.5			
Cadmium	EPA 6010°	0.5	<0.5	<0.5	<0.5				
Chromium, total	EPA 6010°	1	30	62	92				
Cobalt	EPA 6010°	1	0)	62 38 9 15 8 1					
Copper	EPA 6010°	1	28	27	11	17			
Lead	EPA 6010°	5	8	9	<5	6			
Mercury	EPA 7470°	0.1	<0.1	<0.1	<0.1	< 0.1			
Molybdenum	EPA 6010°	1	1	1	<1	<1			
Nickel	EPA 6010°	2	41	90	59	100			
Selenium	EPA 6010°	5	<5	<5	<5	<5			
Silver	EPA 6010°	1	<1	<1	<1	<1			
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5			
Vanadium	EPA 6010°	1	32	35	22	44			
Zinc	EPA 6010°	5	58	56	34	35			
Detection Limit Multiplier			1	1	1	1			

Test Methods for Evaluating Solid Waste, SW-848, Third Edition, Revision 0, US EPA November 1988. Results reported on a wet weight basis.
Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991.
Inductively Coupled Argon Plasma (ICP).
Graphite Furnace Atomic Absorption (GFAA).
Cold Vapor Atomic Absorption (CVAA).



Client Number: 020200025 Project ID: Seers #1528

Northgate Mail San Rafaet Work Order Number: C4-12-0011

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLC)_a

GTEL Sample Number			12	13	14	120794					
•					7 1	MET					
Client Identification			NO-2/4	NO/C	NO-3/5	METHOD BLANK					
Date Sampled			11/30/94	11/30/94	11/30/94	_					
Date Prepared (Method 3055)	2)		12/07/94	12/07/94	12/07/94	12/07/94					
Date Analyzed (Method 6010)			12/08/94	12/08/94	12/08/94	12/08/94					
Date Analyzed (Method 7060)			12/08/94	12/08/94	12/08/94	12/08/94					
Date Prepared and Analyzed	(Method 747)	0)	12/07/94	12/07/94	12/07/94	12/07/94					
Analyte	EPA Method ^a	Detection Limit, mg/Kg		Concentrat	ion, mg/Kg						
Antimony	EPA 6010°	. 5	<5	<5	<5	<5					
Arsenic	EPA 7060 ^d	0.5	9.3	6.2	7.5	<0.5					
Barium	EPA 6010°	1	130	120	170	<1					
Beryllium	EPA 6010°	0.5	<0.5	<0.5 <0.5 0.6							
Cadmium	EPA 6010°	0.5	<0.5	<0.5							
Chromium, total	EPA 6010°	1	68	<1							
Cobalt	EPA 6010°	1	16	11	21	<1					
Copper	EPA 6010°	1	47	42	35	<1					
Lead	EPA 6010°	5	6	6	8	<5					
Mercury	EPA 7470 ^e	0.1	0.1	0.1	0.1	<0.1					
Molybdenum	EPA 6010°	1	1	<1	1	<1					
Nickel	EPA 6010°	2	110	85	180	<2					
Selenium	EPA 6010°	5	<5	<5	<5	<5					
Silver	EPA 6010°	1	<1	<1	<1	<1					
Thallium	EPA 6010d	5	<5	<5	<5	<5					
Vanadium	EPA 6010°	1	44	40	46	<1					
Zinc	EPA 6010°	5	69	80	70	<5					
Detection Limit Multiplier			1	1	1	1					

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.

Oraft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991. Inductively Coupled Argon Plasma (ICP), Graphite Furnace Atomic Absorption (GFAA), Cold Vapor Atomic Absorption (CVAA).



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APPENDIX H CHAIN OF CUSTODY FORMS

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Northwest Region 4080-C Pike Lone Concord, CA 94520 (510) 685-7852 (800) 544-3422 from inside Colifornia (800) 423-7143 from outside California (510) 825-0720 (FAX) Client Number: 020200025 Project ID: Sears ≢1528 Northgate Mall San Fafael Work Order Number: C4-12-0011

December 13, 1994

Eileen Brennan Groundwater Technology, Inc. 275 South Temple, Suite 321 Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33111 and 33113.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Rashmi Shah

Laboratory Director



Northwest Region 4080-C Pike Lane Concord, CA 94520 (510) 685-7852 (800) 544-3422 from inside California (800) 423-7143 from outside California (510) 825-0720 (FAX)

Client Number: 020200025 Project IO:

Seers 1528

9000 Northgate ion Rafael. CA

Work Order Number: C4-11-0454

December 6, 1994

Eleen Brennan Groundwater Technology, Inc. 275 South Temple, Suite 321 Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 11/30/94, under chain of custody records 30200 and 33586.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Rashmi Shah

Laboratory Director

То	Wall !	From	
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Western Region 4080 Pile Lane, Suite C Concord, CA 94520 (510) 685-7852 (800) 544-3422 Imide CA FAX (510) 825-0720 Client Hember: 000000026 Project EX: Seets 1936 SEED Notificate Sen Parties What Order Hember: C4-12-0016

December 13, 1994

Eileen Brennan Groundweter Technology, Inc. 275 South Temple, Suite 321 Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, westewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Reshmi Shah

Laboratory Director

Post-it's Fax Note 7671 Date 216 pages 3

To FAT MCCONNELL From ESPEN NOW

Co/Dept. Co.

Phone # Fax # Fax #



Western Region 4080 Pike Lone, Suite C Concord, CA 94520 (510) 685-7852 (800) 544-3422 Inside CA FAX (510) 825-0720

Client Number: 020200025 Project ID: Sears 1528 9000 Northgale

Ren Refeet

Work Order Number: C4-12-0018

December 13, 1994

Eileen Brennan Groundwater Technology, Inc. 275 South Temple, Suite 321 Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Rashmi Shah

Laboratory Director

NO - gardine samples

GTEL Concord, CA C4120018.RW



Hydraulic Lift Removal,
Assessment, and Site Remediation
Activities
Sears Store #1528
9000 Northgate Drive
San Rafael, California

Prepared for:

Sears, Roebuck and Co. Job No. 00188-166-043 February 7, 1997

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HYDRAULIC LIFT REMOVAL, ASSESSMENT, AND SITE REMEDIATION ACTIVITIES SEARS STORE #1528 9000 Northgate Drive San Rafael, California

Prepared For: Sears, Roebuck and Co. D&M Job No. 00188-166-043 February 7, 1997

1.0 INTRODUCTION

This report presents the results of Dames & Moore's environmental oversight related to the removal of three hydraulic lifts at the Automotive Center of Sears Store #1528 located at 9000 Northgate Drive in San Rafael, California (Figure 1). The environmental oversight was conducted for Sears, Roebuck and Co. (Sears) in accordance with Dames & Moore's Request for Authorization dated February 5, 1996. Lift removals were performed as part of a Site remodel. Field activities were performed on March 7, 1996. Following field and disposal activities, Dames & Moore prepared this report outlining the field procedures used, laboratory analytical results, and remedial measures performed at the Site.

2.0 SITE DESCRIPTION

2.1 SITE FEATURES

Sears Store #1528 is located at the southwestern end of the Northgate Mall in San Rafael, California. The Automotive Center (Site) is a two-story building that houses a service counter and display area, and a garage area on the first floor with 19 service bays for automotive service and maintenance. The second floor contains an employee break room, bathrooms and lockers, and a large storage area. For purposes of this remodel, Lifts 1, 2, and 3 needed to be removed. These bays were located in the southwest corner of the Automobile Center (Figure 2). Lifts 1, 2, and 3 were single-post lifts. Photographs of the field activities are provided in Appendix A.

2.2 LOCAL HYDROGEOLOGY

The assumed local groundwater flow direction, based on surface topography, is to the north towards Santa Margarita Valley. Regionally, groundwater is assumed to flow northeast toward Gallinas Creek and San Francisco Bay. United States Geologic Survey Professional Paper 943, titled <u>Flatland Deposits-Their Geology and Engineering Importance to Comprehensive Planning</u> (Halley and LaJoie, 1979), indicates that the Site is underlain by bedrock. Bedrock in the San Rafael area consists of a complex assemblage of sedimentary, igneous, and metamorphic rocks of Jurassic and Cretaceous age.

3.0 FIELD ACTIVITIES

3.1 WORK PARAMETERS DETERMINATION

In accordance with California State Senate Bill SB 1191, hydraulic lift tanks are exempt from underground storage tank regulations with regards to operating permits and associated reporting requirements. Any releases to the environment, however, must be remediated to the extent that there is no significant adverse effect to human health or the environment. Currently, the State of California does not have strict cleanup standards for hydraulic oils in soil. Cleanup guidance criteria are normally provided by the Regional Water Quality Control Boards (RWQCB) and/or local oversight agencies. The RWQCB-recommended cleanup criteria for petroleum hydrocarbons in soil is generally 100 milligrams per kilogram (mg/kg) for total petroleum hydrocarbons (TPH) as gasoline and 1,000 mg/kg for TPH as oil. Active cleanup is typically required of soils impacted by volatile and semi-volatile hydrocarbon compounds if concentrations exceed about 10 times the equivalent Maximum Contaminant Level (MCL) concentrations for drinking water listed in Title 22 of the California Code of Regulations. Additional guidance for cleanup criteria of individual hydrocarbon compounds is provided by the US EPA Region 9 Preliminary Remedial Goals (PRGs) and Soil Screening Levels.

In accordance with the above criteria, Dames & Moore collected samples for hydrocarbon analysis during the lift removal process. Soil samples were initially analyzed for TPH by a Hydrocarbon Semi-Quantitative Fuel Scan [C4-C12 (gasoline range), C13-C22 (diesel range), and C23+(oil range)] using modified EPA Method 8015. If concentrations exceeded 100 mg/kg, then the soil sample with the highest TPH value was also analyzed for semi-volatile organic compounds (SVOCs) by EPA Method 8270, volatile organic compounds (VOCs) by EPA Method 8240, and polychlorinated biphenyls (PCBs) by EPA Method 8080. Remedial excavation would be implemented if concentrations exceeded the guidance criteria stated above.

3.2 INITIAL SOILS ASSESSMENT

As part of the field activities, Dames & Moore field personnel were required to review and sign a Health and Safety Plan (HSP) that was prepared for the Site. The HSP was prepared to aid in the safe handling of materials potentially containing elevated levels of chemicals. During the investigation, requirements of the HSP were met, including daily site safety briefings.

Prior to the startup of Dames & Moore's field activities, Walker Hydraulic (Contractor) cut and removed the concrete slab around each of the lifts. The lifts did not have associated hydraulic lines. Following removal of the concrete slabs and hydraulic lifts, Dames & Moore personnel collected soil samples from three locations at the lift cylinders: one at the surface, one at three feet below ground surface (bgs), and one at the base of the post (approximately seven feet bgs). However, a sample was not collected at the 3-foot depth at Lift 1.

All samples up to 7 feet bgs were collected using a hand auger. Sample material was placed into 4-ounce jars supplied by the analytical laboratory and sealed with Teflon-lined lids. Sample collection was performed following strict environmental protocol to avoid cross-contamination. Soils observed during sample collection consisted of sandy fill materials immediately around the lifts. Native soils beyond the fill material are primarily silt and clay.

Soil samples were submitted to an onsite mobile laboratory and analyzed for total petroleum hydrocarbons as gasoline (TPH-g; C4-C12), as diesel (TPH-d; C13-C22), and as hydraulic oil (TPH-h; C23+) by modified EPA Method 8015. The samples collected from three feet bgs were held pending analysis of surface samples. Results of the sample analyses indicated the following:

• TPH-g and TPH-d were not detected in any of the samples.

Lift 1.

• TPH-h was detected at 87 mg/kg in the surface sample at Lift 1 and at 320 mg/kg in the 7-foot sample.

Lift 2:

• TPH-h was detected at 5,500 mg/kg in the surface sample at Lift 2, at 270 mg/kg in the 3-foot sample, and at 220 mg/kg in the 7-foot sample.

Lift 3:

• TPH-d was detected at 11,000 mg/kg in the surface sample at Lift 3, at 43 mg/kg in the 3-foot sample, and at 830 mg/kg in the 7-foot sample.

In general accordance with the Work Parameters Determination (Section 3.1), one of the samples with the highest concentration of hydraulic oil, in this case the surface sample from Lift 2 (5,500 mg/kg TPH-h), was also analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and polychlorinated biphenyls (PCBs), by EPA Methods 8240, 8270, and 8080, respectively. Analytical results showed no detectable VOCs, but did indicate detection of 0.48 mg/kg PCB aroclor 1260 and 2.5 mg/kg of the SVOC bis (2-ethylhexyl) phthalate. Results of soil sample analyses are listed in Table 1, and laboratory reports are included as Appendix B.

In summary, results of the initial soils assessment indicated that a number of soil samples exceeded the cleanup guidance criteria for hydraulic oil (1,000 mg/kg) as outlined in the Work Parameters Determination (Section 3.1). These sample areas included the Lift 2 and 3 cylinder areas.

3.3 HYDRAULIC LIFT REMOVAL AND REMEDIAL ACTION

Following the initial soils assessment, the hydraulic lifts were removed and a remedial excavation was performed in areas where hydrocarbon concentrations exceeded the cleanup criteria. The cylinders from Lifts 1, 2, and 3 were completely removed on March 7, 1996, prior to the remedial excavation. Impacted soils were excavated on March 7, 1996. Soils containing concentrations of hydraulic oil above 1,000 mg/kg were excavated from around Lifts 2 and 3. Because analytical results from the 3-foot samples at Lifts 2 and 3 were below cleanup guidance levels, additional confirmatory samples were not collected by Dames & Moore from the excavation.

A summary of remediation activities by lift is provided below.

Lift 2

The Lift 2 cylinder area was excavated to a depth of 3 feet bgs. TPH-h was detected at 270 mg/kg (below the 1,000 mg/kg cleanup guidance) in the 3-foot sample collected during the prior soils assessment at Lift 2.

Lift 3

The Lift 3 cylinder area was excavated to a depth of 3 feet bgs. TPH-h was detected at 43 mg/kg (below the 1,000 mg/kg cleanup guidance) in the 3-foot sample collected during the prior soils assessment at Lift 2.

Excavated soil was stored on, and covered by, plastic sheeting in the Sears Automotive Center parking lot. Following excavation activities, the areas were backfilled with clean, imported soil and resurfaced with concrete.

3.4 WASTE MANAGEMENT

Excavated material from Lifts 1, 2, and 3 were stored on, and covered by, plastic sheeting in the Sears Automotive Center parking lot. One small stockpile was created during the soil excavation. On March 7, 1996, a Dames & Moore representative collected four soil samples from the stockpile. The four samples were composited by the onsite mobile laboratory and the four-point composite sample was analyzed for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1, and for metals by EPA Method 6010. Analytical results indicated 1,500 mg/kg of TRPH, 43 mg/kg of chromium, 57 mg/kg of nickel, and 33 mg/kg of zinc. On the basis of these results, the soil (approximately one cubic yard) was transported as non-hazardous waste to Remedial Environmental Marketing Company (REMCO) in Richmond, California, for thermal treatment and recycling as road base. A copy of the Non-Hazardous Waste Manifest is included in Appendix C.

Hydraulic oil associated with the lifts was drained from the equipment and stored in 55-gallon drums. The hydraulic oil was managed as recyclable waste by Sears Automotive Center personnel.

4.0 SUMMARY AND CONCLUSIONS

A total of three hydraulic lifts (Lifts 1, 2, and 3) were removed from the Automotive Center at Sears Store #1528. The three lifts were single-post lifts. Results of an initial soils assessment indicated that hydraulic oil concentrations exceeded cleanup guidance criteria (1,000 mg/kg) within certain areas. On the basis of these results, soils beneath Lifts 2 and 3 were overexcavated to a depth of 3 feet bgs.

Surface piping, supports, and associated equipment were removed from each of the three lifts. Hydraulic oil associated with the lifts was drained from the equipment and stored in 55-gallon drums.

Soil surrounding the lifts was excavated as needed to remove the lifts and stockpiled on site. The casings and surrounding excavations were backfilled with imported fill and resurfaced with concrete

Approximately one cubic yard of excavated soil impacted with petroleum hydrocarbons were transported as non-hazardous waste to Remedial Environmental Marketing Company (REMCO) in Richmond, California, for thermal treatment and recycling as road base. The hydraulic oil was managed as recyclable waste by Sears Automotive Center personnel.

On the basis of State and Federal regulations governing hydraulic oil contamination in soils, it is Dames & Moore's opinion that subsurface soils surrounding the former Lifts 1, 2, and 3 (removed during this remodel) have been remediated to environmentally acceptable conditions.

5.0 LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon visual observations of the Site and our interpretation of the analytical data obtained. They are intended for the purpose outlined herein and at the Site location and project indicated. This report is for the sole use of Sears. The scope of the services performed in the execution of this investigation may not be appropriate to satisfy the needs of other users, and any re-use of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of the said user.

It should be recognized that this study was not intended to be a definitive investigation of contamination of the subject property, but is limited to the scope of hydraulic lift removal stated in this report. Opinions and conclusions presented herein apply to Site conditions existing at the time of the investigation. They cannot necessarily apply to changes at the Site of which this office is not aware and has not had the opportunity to evaluate. This report is intended for the use in its entirety; no excerpt may be taken to be representative of the findings of this investigation.

Please feel free to contact us if you have questions or require further assistance.

Respectfully submitted,

DAMES & MOORE

Melissa Swartz Staff Geologist

Taras B. Kruk, R.G. Senior Geologist

Project Manager

Table 1 Soil Analytical Results Former Sears Site #1528 San Rafael, California

																LAB(DRAT	ORY ANAL	YTICAL RESULTS*								
		Sample				TOTA	AL PI	ETROLEUM	M HYDROCARI	BONS		A	RO	MATIC H	YDR	OCARBON	S		PCBs	SVOCs	T	-	·		Metals		
Sample	Sample	Depth	Sample			TPH-g		TPH-d	TPH-h	TRPH		В		Т	T	E		x	Areclor 1260	bis-phthalate	1	Lead	1	Cadmium	Chromium	Nickel	Zinc
Location	I.D.	(ft)	Date	Notes		(mg/kg)		(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	(mg/kg)	(mg/kg)		mg/kg)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
ı	1-0	0	3/7/96	2	<	200	<	200	87			••		==					**	**		***	1				······································
1	1-7	7	3/7/96	2	<	200	<	200	320					~~					••	-							**
2	2-0	0	3/7/96	1,4	<	200	<	200	5,500		<	0.03	<	0.03	<	0.03	<	0.1	0 48	2.5	_		-				····
2	2-3	3	3/7/96	2	<	200	<	200	270		<u> </u>							**									
2	2-7	7	3/7/96	2	<	200	<	200	220	77.7					╅	**		**		—		~	+-				***
3	3-0	0	3/7/96	1	<	200	<	200	11,000	-				44	 						 		╂				
3	3-3	3	3/7/96	2	<	200	<	200	43						 	**				***							***
3	3-7	7	3/7/96	2	~	200	<	200	830		ļ				╁												
SP	SP-1	**	3/7/96	5		**				1500	ļ			**	 -	**	······································			W 48	-	5	1_	1	43	57	33

Explanation / Notes:

- = Only detected compounds within the Bay Area sites are listed
- I. = Surrounding soils excavated and removed offsite.
- 2. = Sample of soils remaining in place.
- 3. = No Sample Recovery
- 4. = Duplicate sample analysis.
- 5. = Four point composite stockpile sample

- <= Analytical result less than the detection limit indicated.
- -- = Either not sampled and/or not tested for given parameter

TPH-g = Total Petroleum Hydrocarbons as gasoline by EPA Method 8015 (modified)

TPH-d = Total Petroleum Hydrocarbons as diesel by EPA Method 8015 (modified)

1PH-h = Total Petroleum Hydrocarbons as hydraulic fluid by EPA Method 8015 (modified)

TRPH = Total Recoverable Petroleum Hydrocarbons by EPA Method 418.1

BTEX = Volatile aromatic constituents Benzene, Toluene, Ethylbenzene,

and Xylenes by EPA Method 8020 or 8240

Aroclor 1260 = polychlorinated biphenyl (PCB) by EPA Method 8080

Metals analyzed by EPA Method 6010

bis-phthalate = bis(2ethylhexyl)phthalate by EPA Method 8270

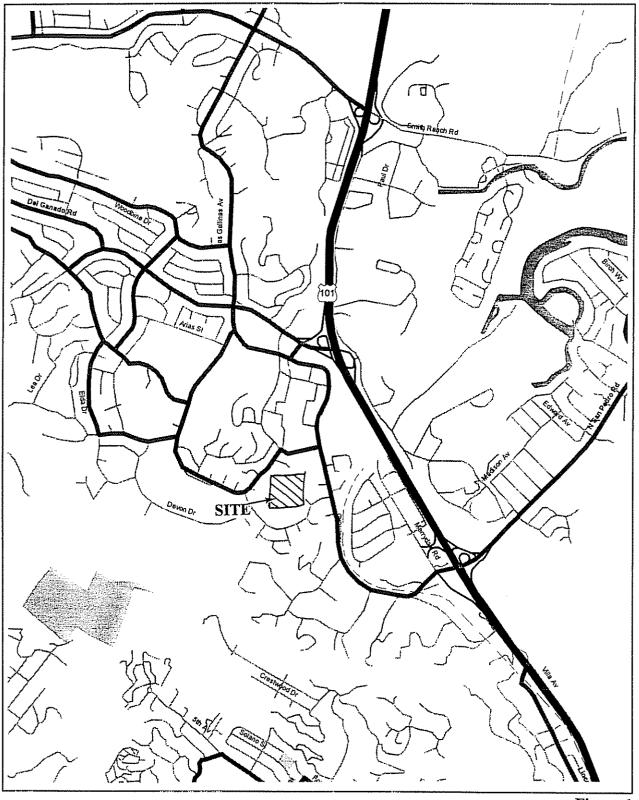


Figure 1
SITE VICINITY MAP
Sears Automotive Center #1528
San Rafael, CA



DAMES & MOORE

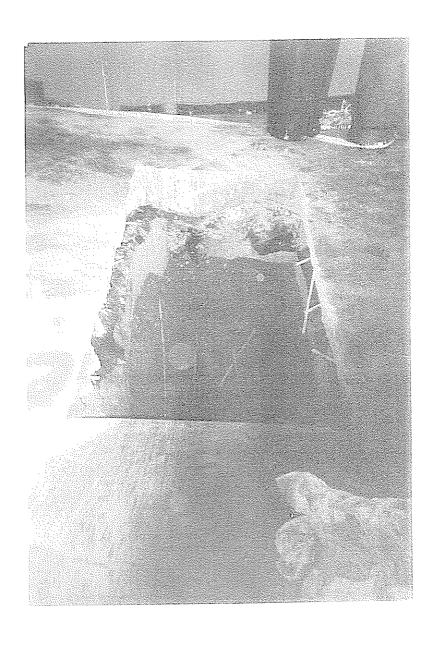
Figure 3

APPENDIX A

SITE PHOTOGRAPHS



Photograph 1. Lift 3 after cylinder has been removed



Photograph 2. Lift 2 after cylinder has been removed

APPENDIX B

LABORATORY REPORTS

B C Analytical

1085 Shary Circle Concord, CA 94518 510/825-3894 Fax: 510/825-3924

LOG NO: G96-02-506

Received: 07 MAR 96 Mailed: 26 APR 96

Mr. Branden Born Dames and Moore 221 Main Street, Suite 600 San Francisco, CA 94105-1917

Project: SEARS.SANRAFAEL

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS	SAMPLES	DATE SAMPLED
02-506-1	2-0'	ear and was are for any and and and the first too and and and any size first any and any size and any size and and	07 MAR 96
PARAMETER		02-506-1	
Semi-volat Date Analy Date Extra Dilution I 1,2,4-Tric 1,2-Dichle 1,2-Dichle 1,3-Dichle 2,4,5-Tric 2,4,6-Tric 2,4-Dichle 2,4-Diniti 2,4-Diniti 2,6-Diniti 2,6-Diniti 2,6-Diniti 2-Chloropi 2-Methylna 2-Methylna 2-Methylpi 2-Nitrophe 3,3'-Dichl 3-Nitroani 4-Bromophe		03/12/96 03/12/96 5 <1 <1 <1 <1 <1 <1 <1 <1 <2 <1 <1 <1 <1 <1 <1 <2 <1 <1 <1 <1 <1 <1 <1 <1	
4-Chloroar	niline, mg/kg '	<1	

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	REPORT OF ANALY	TICAL RESULTS	Page 2
LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS	SAMPLES	DATE SAMPLED
02-506-1	2-0'		07 MAR 96
PARAMETER		02-506-1	
4-Methylph 4-Nitroani 4-Nitrophe Acenaphthe Acenaphthy Aniline, m Anthracene Benzo(a)an Benzo(b)fl Benzo(b)fl Benzo(k)fl Benzoic ac Butylbenzy Chrysene, Di-n-octyl Dibenzofur Dibutylpht Dimethylph Fluoranthe Fluorene,	enylphenylether, mg/kg lenol (p-Cresol), mg/kg line, mg/kg enol, mg/kg ene, mg/kg elene, mg/kg	<1	20 Cas

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Project: SEARS.SANRAFAEL

REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS	SAMPLES	DATE SAMPLED
02-506-1	2-0'	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	07 MAR 96
PARAMETER		02-506-1	
Hexachlord Hexachlord Indeno(1,2 Isophorone N-Nitrosod N-Nitrosod Nitrobenze Naphthaler Phenanthre Phenal, mg Pentachlor Pyrene, mg Pyridine, Bis(2-chlo Bis(2-chlo Bis(2-chlo Bis(2-chlo C-fluorone 2-Fluorone 2-Fluorone 2,4,6-Tri 2,4,6-Tri 2,4,6-Tri	dimethylamine, mg/kg diphenylamine, mg/kg di-n-propylamine, mg/kg ene, mg/kg ene, mg/kg ene, mg/kg g/kg rophenol, mg/kg g/kg proethoxy)methane, mg/kg proethyl)ether, mg/kg y/lhexyl)phthalate, mg/kg	<pre><1</pre>	

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REPORT OF ANALYTICAL RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION, NON-AQUEO	US SAMPLES	DATE SAMPLED
02-506-1	2-0'		07 MAR 96
PARAMETER	400 000 000 000 000 000 000 000 100 101 101 107 107	02-506-1	
Phenol-d5 Phenol-d5 Phenol-d5 Terphenyl- Terphenyl- PCBs (8080) Date Analyz Date Extrace Dilution For Aroclor 122 Aroclor 123 Aroclor 124 Aroclor 125 Aroclor 125 Aroclor 125 Aroclor 126 Aroclor 126 Tetrachlor	cted actor, Times 16, mg/kg 21, mg/kg 32, mg/kg 42, mg/kg 48, mg/kg 54, mg/kg	1.67 3.33 2.50 2.06 1.67 03/12/96 03/12/96 5 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 0.2 0.2	

Received: 07 MAR 96 Mailed: 26 APR 96

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Page 5 REPORT OF ANALYTICAL RESULTS LOG NO SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES DATE SAMPLED LOG NO 02-506-1 2-0' 02-506-1 Diesel/Hydraulic Oil (8015M) 03/07/96 Date Analyzed 03/07/96 Date Extracted Dilution Factor, Times 10 Carbon Range, . C23-C40 5500 Hydraulic Oil, mg/kg Carbon Range, . C13-C22 Diesel, mg/kg <200 Other Diesel/Hydraulic Oil (8015M) ___ Surrogates ** Naphthalene Reported, mg/kg 37.4 Naphthalene Theoretical, mg/kg 50.0 Gasoline (8015M) Date Analyzed 03/07/96 03/07/96 Date Extracted Dilution Factor, Times 10 Gasoline, mg/kg <200 Carbon Range, . C4-C12 Other Gasoline (8015M) Surrogates ** Naphthalene Reported, mg/kg 53.6 Naphthalene Theoretical, mg/kg 50.0

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Project: SEARS.SANRAFAEL

REPORT OF ANALYTICAL RESULTS

Page 6

LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAM	1PLES	DATE SAMPLED
02-506-1	2-0'		07 MAR 96
PARAMETER		02-506-1	
1,1,1-Tri 1,1,2,2-T 1,1,2-Tri 1,1-Dichl		03/13/96 1 <0.005 <0.005 <0.005 <0.005 <0.005	
1,2-Dichle 1,2-Dichle 1,2-Dichle 1,3-Dichle 1,4-Dichle	oroethane, mg/kg orobenzene, mg/kg oropropane, mg/kg orobenzene, mg/kg orobenzene, mg/kg thylvinylether, mg/kg	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.03	
Acetone, and Acrolein, Acrolein, Acrylonita Bromodich Bromometha Benzene, and Chlorobens Carbon Tental Chloroform Chlorof	mg/kg mg/kg rile, mg/kg loromethane, mg/kg ane, mg/kg mg/kg , mg/kg zene, mg/kg trachloride, mg/kg ane, mg/kg	<0.1 <0.3 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005	

Received: 07 MAR 96 Mailed: 26 APR 96

Mr. Branden Born Dames and Moore 221 Main Street, Suite 600 San Francisco, CA 94105-1917

Project: SEARS.SANRAFAEL

Page 7 REPORT OF ANALYTICAL RESULTS DATE SAMPLED LOG NO SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES DATE SAMPLED LOG NO SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES 02-506-1 2-0' 02-506-1 PARAMETER < 0.01 Carbon Disulfide, mg/kg < 0.005 Dibromochloromethane, mg/kg < 0.005 Ethylbenzene, mg/kg < 0.01 Freon 113, mg/kg < 0.03 Methyl ethyl ketone, mg/kg < 0.03 Methyl isobutyl ketone, mg/kg <0.005 Methylene chloride, mg/kg < 0.005 Styrene, mg/kg < 0.005 Trichloroethene, mg/kg < 0.005 Trichlorofluoromethane, mg/kg <0.005 Toluene, mg/kg < 0.005 Tetrachloroethene, mg/kg < 0.05 Vinyl acetate, mg/kg < 0.005 Vinyl chloride, mg/kg < 0.02 Total Xylene Isomers, mg/kg <0.005 cis-1,2-Dichloroethene, mg/kg < 0.005 cis-1,3-Dichloropropene, mg/kg <0.005 trans-1,2-Dichloroethene, mg/kg < 0.005 trans-1,3-Dichloropropene, mg/kg Other Vol. Pri. Poll. (8240) ---Surrogates ** 0.0488 1.2-Dichloroethane-d4 Rep., mg/kg 1,2-Dichloroethane-d4 Theo., mg/kg 0.0500 0.0475 4-Bromofluorobenzene Rep., mg/kg 0.0500 4-Bromofluorobenzene Theo., mg/kg 0.0478 Toluene-d8 Reported, mg/kg 0.0500 Toluene-d8 Theo, mg/kg

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Page 8

LOG NO	SAMPLE DESCRIPTION,	NON-AQUEOUS	SAMPLES		DA	TE SAMPLED
02-506-2 02-506-3 02-506-4 02-506-5 02-506-6	3-0' 1-0' 3-7' 1-7' 3-3'		NY TY			07 MAR 96 07 MAR 96 07 MAR 96 07 MAR 96 07 MAR 96
PARAMETER		02-506-2	02-506-3	02-506-4	02-506-5	02-506-6
Diesel/Hydra	aulic Oil (8015M)					
Date Analyz		03/07/96	03/07/96	03/07/96	03/07/96	03/07/96
Date Extra		03/07/96	03/07/96	03/07/96	03/07/96	03/07/96
	actor, Times	10	1	1	1	1
Carbon Rang		C23-C40	C23-C40	C23-C40	C23-C40	C23-C40
Hydraulic (11000	87	830	320	43
Carbon Rang		C13-C22	C13-C22	C13-C22	C13-C22	C13-C22
Diesel, mg/		<200	<20	<20	<20	<20
	sel/Hydraulic Oil (80	015M)	and and and	~ ~ w		
Surrogates						
Naphtha ler	ne Reported, mg/kg	50.2	50.4	60.6	59.3	55.9
Naphtha ler	ne Theoretical, mg/kg	50.0	50.0	50.0	50.0	50.0

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REPORT OF ANALYTICAL RESULTS

Page 9

LOG NO	SAMPLE DESCRIPTION,	NON-AQUEOUS	SAMPLES		DA	ATE SAMPLED
02-506-2 02-506-3 02-506-4 02-506-5 02-506-6	3-0' 1-0' 3-7' 1-7' 3-3'			* 1a 10 10 00 00 10 00 00 00 00		07 MAR 96 07 MAR 96 07 MAR 96 07 MAR 96 07 MAR 96
PARAMETER		02-506-2	02-506-3	02-506-4	02-506-5	02-506-6
Gasoline, m Carbon Rang	zed cted actor, Times ng/kg ge, . pline (8015M)	03/07/96 03/07/96 10 <200 C4-C12	03/07/96 03/07/96 1 <20 C4-C12		• •	03/07/96 03/07/96 1 <20 C4-C12
	ne Reported, mg/kg ne Theoretical, mg/kg	62.9 50.0	67.8 50.0	76.8 50.0	77.8 50.0	75.5 50.0

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Project: SEARS.SANRAFAEL

REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION, NON-AQUEOUS SAMPLES		D/	ATE SAMPLED
02-506-7 02-506-8			NO. AND SEC. THE CO. AND SEC.	07 MAR 96 07 MAR 96
PARAMETER		02-506-7	02-506-8	
Date Analy Date Extra Dilution F Carbon Ran Hydraulic Carbon Ran Diesel, mg Other Die Surrogates Naphthale	aulic Oil (8015M) zed cted actor, Times ge, . Oil, mg/kg ge, . /kg sel/Hydraulic Oil (8015M) ** ne Reported, mg/kg ne Theoretical, mg/kg	03/07/96 1 C23-C40 220 C13-C22	1 C23-C40	
Gasoline, Carbon Ran Other Gas Surrogates Naphthale	zed cted actor, Times mg/kg ge, . oline (8015M)	03/07/96 03/07/96 1 <20 C4-C12 69.5 50.0	1 <20	

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Dick Swenson, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.

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ORDER PLACED FOR CLIENT: Dames and Moore 9602506:
BC ANALYTICAL: GLEN LAB: 10:43:59 06 MAY 1996 - P. 1:

MPLES	SAMPLE DESCRIPTION.	DETERM	DATE ANALYZED	METHOD	EQUIP.	ватсн	ID.NO
02506*1	2-0'	8270.HSL 8080.PCB FUEL.TOT.OIL FUEL.TOT.GAS 8240.HSL	03.12.96 03.12.96 03.07.96 03.07.96 03.13.96	8080 8015M 8015M	537-11 536-26 516-07 516-07 537-01	9645 9640 963008 963008 9650187	6750 7616 8171 8171 8659
9602506*2	3-0"	FUEL.TOT.OIL FUEL.TOT.GAS	03.07.96 03.07.96	8015M	516-07 516-07	963008 963008	8171 8171
102506*3	1-0'	FUEL.TOT.OIL	03.07.96 03.07.96	8015M	516-07 516-07	963008 963008	8171 8171
9602506*4	3-7'	FUEL.TOT.GAS FUEL.TOT.OIL	03.07.96	8015M	516-07	963008	8171
02506*5	1-7'	FUEL.TOT.GAS FUEL.TOT.OIL	03.07.96 03.07.96	8015M	516-07 516-07	963008 963008	8171 8171
C502506*6	3-3'	FUEL.TOT.GAS FUEL.TOT.OIL	03.07.96 03.07.96	8015M	516-07 516-07	963008 963008	8171 8171
yő02506*7	2-7'	FUEL.TOT.GAS FUEL.TOT.OIL	03.07.96 03.07.96	8015M	516-07 516-07	963008 963008	8171 8171
502506*8	2-3'	FUEL.TOT.GAS FUEL.TOT.OIL FUEL.TOT.GAS	03.07.96 03.07.96 03.07.96	8015M	516-07 516-07 516-07	963008 963008 963008	8171 8171 8171

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ORDER QC REPORT FOR G9602506

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ARAMETER		DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
ARAMETER Semi-volatiles Date Analyzed Date Extracted 1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,2-Diphenylhydrazine 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4-Erichlorophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2,6-Dinitrotoluene 2-Chlorophenol 2-Methyl-4,6-dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Methylphenol (o-Creso 2-Nitroaniline 2-Nitrophenol 3,3'-Dichlorobenzidine	C6031257*	ANALYZED 1 03.12.96	NUMBER 9645 9645 9645 9645 9645 9645 9645 9645	RESULT 03/12/96 03/12/96 2.72 3.09 3.00 2.70 2.70 3.39 2.69 2.38 2.32 2.22 2.80 2.61 2.43 2.51 1.96 2.27 2.80 2.42 2.55 2.58	RESULT 03/12/96 03/12/96 3.33 3.33 3.33 3.33 3.33 3.33 3.33 3.	Date Date mg/kg mg/kg mg/kg mg/kkg mg/kg mg/kg mg/kg	N/A N/A 82 93 90 81 81 102 81 71 70 67 84 78 73 75 59 68 84 73 77 39
3-Nitroaniline 4-Bromophenylphenylether 4-Chloro-3-methylphenol 4-Chlorophenylphenylether 4-Chlorophenylphenylether 4-Methylphenol (p-Cresor 4-Nitroaniline 4-Nitrophenol Acenaphthene Acenaphthylene Aniline Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Benzyl Alcohol Benzoic acid Butylbenzylphthalate Chrysene	e r	03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96	9645 9645 9645 9645 9645 9645 9645 9645	2.18 2.55 2.59 2.37 2.61 2.63 2.16 2.54 2.72 2.62 1.73 2.38 0 2.59 2.51 2.01 2.61 2.68 2.46 2.11 3.25 2.58	3.33 3.33 3.33 3.33 3.33 3.33 3.33 3.3	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	75 76 77 78 71 78 79 65 76 82 79 52 71 0 Q 78 75 60 78 80 74 32 98 77

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	DATE	ВАТСН	LC	LT		PERCENT
\RAMETER	ANALYZED		RESULT	RESULT		RECOVERY
Di-n-octylphthalate	03.12.96		2.92	3.33	mg/kg	88
Dibenzo(a,h)anthracene	03.12.96		2.43	3.33	mg/kg	73
Dibenzofuran	03.12.96		2.42	3.33	mg/kg	73
	03.12.96		2.71	3.33	mg/kg	81
Dibutylphthalate	03.12.96		2.46	3.33	mg/kg	74
Diethylphthalate	03.12.96		2.57	3.33	mg/kg	77
Dimethylphthalate	03.12.96		2.47	3.33	mg/kg	74
Fluoranthene	03.12.96		2.67	3.33	mg/kg	80
Fluorene Hexachlorobenzene	03.12.96		2.76	3.33	mg/kg	83
	03.12.96		2.89	3.33	mg/kg	87
Hexachlorobutadiene	03.12.96		3.98	3.33	mg/kg	120
Hexachlorocyclopentadiene	03.12.96		3.02	3.33	mg/kg	91
Hexachloroethane	03.12.96		2.31	3.33	mg/kg	69
Indeno(1,2,3-c,d)pyrene						80
Isophorone	03.12.96		2.65	3.33	mg/kg	119
N-Nitrosodimethylamine	03.12.96		3.97	3.33	mg/kg	
N-Nitrosodiphenylamine	03.12.96		1.73	3.33	mg/kg	52 94
N-Nitrosodi-n-propylamine	03.12.96		2.79	3.33	mg/kg	84
Nitrobenzene	03.12.96		2.89	3.33	mg/kg	87 71
Naphthalene	03.12.96		2.37	3.33	mg/kg	71
Phenanthrene	03.12.96		2.54	3.33	mg/kg	76 50
Pheno1	03.12.96		1.68	3.33	mg/kg	50
Pentachlorophenol	03.12.96		2.23	3.33	mg/kg	67
Pyrene	03.12.96		2.86	3.33	mg/kg	86
Bis(2-chloroethoxy)methane	03.12.96		2.22	3.33	mg/kg	67
Bis(2-chloroethyl)ether	03.12.96		3.27	3.33	mg/kg	98
Bis(2-chloroisopropyl)ether	03.12.96		2.92	3.33	mg/kg	88
Bis(2-ethylhexyl)phthalate	03.12.96		2.92	3.33	mg/kg	88
2-Fluorobiphenyl Reported	03.12.96		1.82	1.67	mg/kg	109
2-Fluorobiphenyl Theo.	03.12.96		1.67	1.67	mg/kg	100
2-Fluorophenol Reported	03.12.96		2.57	2.50	mg/kg	103 Q
2-Fluorophenol Theoretical	03.12.96		2.50	2.50	mg/kg	100
2,4,6-Tribromophenol Rep.	03.12.96		2.91	2.50	mg/kg	116
2,4,6-Tribromophenol Theo.	03.12.96		2.50	2.50	mg/kg	100
Nitrobenzene-d5 Reported	03.12.96	9645	1.78	1.67	mg/kg	107
Nitrobenzene-d5 Theoretical	03.12.96		1.67	1.67	mg/kg	100
Phenol-d5 Reported	03.12.96		3.05	2.50	mg/kg	122 Q
Phenol-d5 Theoretical	03.12.96	9645	2.50	2.50	mg/kg	100
Terphenyl-dl4 Reported	03.12.96		1.63	1.67	mg/kg	98
Terphenyl-d14 Theoretical	03.12.96	9645	1.67	1.67	mg/kg	100
Semi-volatiles C6031258	*1					
Date Analyzed	03.12.96	9645	03/12/96	03/12/96	Date	N/A
Date Extracted	03.12.96	9645	03/12/96	03/12/96	Date	N/A
1,2,4-Trichlorobenzene		0645	0 7 5	2 22	/1	0.0
• •	03.12.96	9645	2.75	3.33	mg/kg	83
1,2-Dichlorobenzene	03.12.96 03.12.96		2.75 3.16	3.33 3.33	mg/kg	83 95 89

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	DATE	ВАТСН	LC	LT		PERCENT
ADAMETED	ANALYZED		RESULT	RESULT	UNIT	RECOVERY
4RAMETER	03.12.96		2.81	3.33	mg/kg	84
1,3-Dichlorobenzene	03.12.96		2.78	3.33	mg/kg	83
1,4-Dichlorobenzene	03.12.96		3.36	3.33	mg/kg	101
2,4,5-Trichlorophenol	03.12.96		2.59	3.33	mg/kg	78
2,4,6-Trichlorophenol	03.12.96		2.33	3.33	mg/kg	70
2,4-Dichlorophenol	03.12.96		2.25	3.33	mg/kg	68
2,4-Dimethylphenol	03.12.96		2.24	3.33	mg/kg	67
2,4-Dinitrophenol	03.12.96		2.95	3.33	mg/kg	89
2,4-Dinitrotoluene	03.12.96		2.72	3.33	mg/kg	82
2,6-Dinitrotoluene	03.12.96		2.45	3.33	mg/kg	74
2-Chloronaphthalene	03.12.96		2.50	3.33	mg/kg	75
2-Chlorophenol	03.12.96		1.99	3.33	mg/kg	60
2-Methyl-4,6-dinitrophenol	03.12.96		2.29	3.33	mg/kg	69
2-Methylnaphthalene			2.77	3.33		83
2-Methylphenol (o-Cresol)	03.12.96		2.45	3.33	mg/kg	74
2-Nitroaniline	03.12.96		2.44	3.33	mg/kg	73
2-Nitrophenol	03.12.96		2.44	6.67	mg/kg	7 3 37
3,3'-Dichlorobenzidine	03.12.96		2.24	3.33	mg/kg	67
3-Nitroaniline	03.12.96		2.58	3.33	mg/kg	77
4-Bromophenylphenylether	03.12.96		2.55	3.33	mg/kg	77
4-Chloro-3-methylphenol	03.12.96				mg/kg	71
4-Chloroaniline	03.12.96		2.35	3.33	mg/kg	
4-Chlorophenylphenylether	03.12.96		2.94	3.33	mg/kg	88
4-Methylphenol (p-Cresol)	03.12.96		2.61	3.33	mg/kg	78 67
4-Nitroaniline	03.12.96		2.22	3.33	mg/kg	67 7.4
4-Nitrophenol	03.12.96		2.47	3.33	mg/kg	74 05
Acenaphthene	03.12.96		2.84	3.33	mg/kg	85
Acenaphthylene	03.12.96		2.65	3.33	mg/kg	80
Aniline	03.12.96		1.63	3.33	mg/kg	49 72
Anthracene	03.12.96		2.41	3.33	mg/kg	72
Benzidine	03.12.96		0	6.67	mg/kg	0 Q
Benzo(a)anthracene	03.12.96		2.65	3.33 3.33	mg/kg	80 76
Benzo(a)pyrene	03.12.96		2.54 2.11	3.33	mg/kg	63
Benzo(b)fluoranthene	03.12.96		2.55	3.33	mg/kg	77
Benzo(g,h,i)perylene	03.12.96		2.81	3.33	mg/kg	84
Benzo(k)fluoranthene	03.12.96 03.12.96		2.48	3.33	mg/kg	74
Benzyl Alcohol			3.13	6.67	mg/kg	47
Benzoic acid	03.12.96		3.37	3.33	mg/kg	101
Butylbenzylphthalate	03.12.96				mg/kg	
Chrysene	03.12.96		2.67	3.33 3.33	mg/kg	80
Di-n-octylphthalate	03.12.96		2.99		mg/kg	90 74
Dibenzo(a,h)anthracene	03.12.96		2.48	3.33	mg/kg	
Dibenzofuran	03.12.96		2.48	3.33	mg/kg	74 94
Dibutylphthalate	03.12.96		2.79	3.33	mg/kg	84 76
Diethylphthalate	03.12.96		2.54	3.33	mg/kg	76
Dimethylphthalate	03.12.96	9045	2.67	3.33	mg/kg	80

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\RAMETER	DATE ANALYZED		LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
Fluoranthene	03.12.96		2.52	3.33	mg/kg	76
Fluorene	03.12.96		2.71	3.33	mg/kg	81
Hexachlorobenzene	03.12.96		2.74	3.33	mg/kg	82
Hexachlorobutadiene	03.12.96		2.90	3.33	mg/kg	87
Hexachlorocyclopentadiene	03.12.96		4.07	3.33	mg/kg	122
Hexachloroethane	03.12.96		3.14	3.33	mg/kg	94
Indeno(1,2,3-c,d)pyrene	03.12.96		2.63	3.33	mg/kg	79 80
Isophorone	03.12.96		2.66	3.33 3.33	mg/kg	80 123
N-Nitrosodimethylamine	03.12.96 03.12.96		4.10 1.76	3.33	mg/kg mg/kg	53
N-Nitrosodiphenylamine	03.12.96		3.01	3.33	mg/kg	90
N-Nitrosodi-n-propylamine Nitrobenzene	03.12.96		2.93	3.33	mg/kg	88
Naphthalene	03.12.96		2.40	3.33	mg/kg	72
Phenanthrene	03.12.96		2.56	3.33	mg/kg	77
Phenol	03.12.96		2.44	3.33	mg/kg	73
Pentachlorophenol	03.12.96		2.19	3.33	mg/kg	66
Pyrene	03.12.96		2.99	3.33	mg/kg	90
Bis(2-chloroethoxy)methane	03.12.96		2.28	3.33	mg/kg	68
Bis(2-chloroethyl)ether	03.12.96		3.03	3.33	mg/kg	91
Bis(2-chloroisopropyl)ether	03.12.96		2.91	3.33	mg/kg	87
Bis(2-ethylhexyl)phthalate	03.12.96		2.96	3.33	mg/kg	89
2-Fluorobiphenyl Reported	03.12.96		1.76	1.67	mg/kg	105
2-Fluorobiphenyl Theo.	03.12.96		1.67	1.67	mg/kg	100
2-Fluorophenol Reported	03.12.96		2.56	2.50	mg/kg	102 Q
2-Fluorophenol Theoretical	03.12.96		2.50	2.50	mg/kg	100
2,4,6-Tribromophenol Rep.	03.12.96	9645	2.66	2.50	mg/kg	106
2,4,6-Tribromophenol Theo.	03.12.96		2.50	2.50	mg/kg	100
Nitrobenzene-d5 Reported	03.12.96		1.74	1.67	mg/kg	104
Nitrobenzene-d5 Theoretical	03.12.96		1.67	1.67	mg/kg	100
Phenol-d5 Reported	03.12.96		2.99	2.50	mg/kg	120 Q
Phenol-d5 Theoretical	03.12.96		2.50	2.50	mg/kg	100
Terphenyl-d14 Reported	03.12.96		1.61	1.67	mg/kg	96
Terphenyl-d14 Theoretical	03.12.96	9645	1.67	1.67	mg/kg	100
PCBs C6031252		0540	07/17/05	02/12/06		** ! "
Date Analyzed	03.13.96		03/13/96	03/13/96		N/A
Date Extracted	03.13.96		03/12/96	03/12/96		N/A
Aroclor 1260	03.13.96		0.291	0.333	mg/kg	87
Decachlorobiphenyl Reported	03.13.96		0.0095	0.0083	mg/kg	114
Decachlorobiphenyl Theoretical Tetrachloro-meta-xylene Rpt.	03.13.96 03.13.96		0.0083	0.0083	mg/kg	100
₩ .			0.0077 0.0083	0.0083 0.0083	mg/kg	93 100
Tetrachloro-meta-xylene Theor. PCBs C6031253	03.13.96	9040	0.0003	0.0003	mg/kg	100
Date Analyzed	03.13.96	9640	03/13/96	03/13/96	Date	N/A
Date Extracted	03.13.96		03/13/96	03/13/96		N/A
Aroclor 1260	03.13.96		0.260	0.333	mg/kg	78 -
,,,	004000	JU10	U+LUU	0.000	97 N.9	, 0

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RAMETER Decachlorobiphenyl Reported Decachlorobiphenyl Theoretica Tetrachloro-meta-xylene Rpt. Tetrachloro-meta-xylene Theor. 5. Gasoline C60312	03.13.96 03.13.96	9640 9640 9640	LC RESULT 0.0102 0.0083 0.0090 0.0083	LT RESULT 0.0083 0.0083 0.0083 0.0083	UNIT mg/kg mg/kg mg/kg mg/kg	PERCENT RECOVERY 123 100 108 100
Date Analyzed Date Extracted Gasoline Naphthalene Reported Naphthalene Theoretical Diesel/Hydraulic Oil C60312	03.07.96 03.07.96 03.07.96 03.07.96 03.07.96	963008 963008 963008	03/07/96 03/07/96 291 67.6 50.0	03/07/96 03/07/96 250 50.0 50.0		N/A N/A 116 135 Q 100
Date Analyzed Date Extracted Hydraulic Oil Diesel Naphthalene Reported Naphthalene Theoretical Vol.Pri.Poll.	03.07.96 03.07.96 03.07.96 03.07.96 03.07.96 03.07.96	963008 963008 963008 963008	03/07/96 03/07/96 473 505 81.2 50.0	03/07/96 03/07/96 500 500 50.0 50.0		N/A N/A 95 101 162 Q 100
Date Analyzed 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichlorobenzene 1,2-Dichloropropane 1,3-Dichlorobenzene 1,4-Dichlorobenzene	03.14.96 03.14.96 03.14.96 03.14.96 03.14.96 03.14.96 03.14.96 03.14.96 03.14.96	9650187 9650187 9650187 9650187 9650187 9650187 9650187 9650187 9650187	0.0438 0.0446 0.0414 0.0395 0.0358 0.0468 0.0404 0.0475 0.0463	03/14/96 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500	mg/kg	N/A 92 88 89 83 79 72 Q 94 81 95
2-Chloroethylvinylether 2-Hexanone Acetone Acrolein Acrylonitrile Bromodichloromethane Bromomethane Benzene Bromoform Chlorobenzene Carbon Tetrachloride Chloroethane Chloroform Chloromethane	03.14.96 03.14.96 03.14.96 03.14.96 03.14.96 03.14.96 03.14.96 03.14.96 03.14.96 03.14.96 03.14.96	9650187 9650187 9650187 9650187 9650187 9650187 9650187 9650187 9650187 9650187	0.0377 0.0255 0.0818 0.324 0.0463 0.0542 0.0407 0.0433 0.0470 0.0440 0.0675 0.0395 0.0480	0.0500 0.0500 0.500 0.500 0.500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500	mg/kg	108 81 87 94 88 135 79
Carbon Disulfide Dibromochloromethane	03.14.96 03.14.96			0.0500 0.0500	mg/kg mg/kg	78 90

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	DATE	ВАТСН	LC	LT		PERCENT
CARAMETER	ANALYZED		RESULT	RESULT	UNIT	RECOVERY
Ethylbenzene	03.14.96			0.0500	mg/kg	96
Freon 113	03.14.96			0.0500	mg/kg	107
Methyl ethyl ketone	03.14.96			0.0500	mg/kg	54
Methyl isobutyl ketone	03.14.96			0.0500	mg/kg	66
Methylene chloride	03.14.96			0.0500	mg/kg	79
Styrene	03.14.96			0.0500	mg/kg	93
Trichloroethene	03.14.96			0.0500	mg/kg	78
Trichlorofluoromethane	03.14.96			0.0500	mg/kg	115
Toluene	03.14.96			0.0500	mg/kg	90
Tetrachloroethene	03.14.96			0.0500	mg/kg	94
Vinyl acetate	03.14.96			0.0500	mg/kg	45
Vinyl chloride	03.14.96			0.0500	mg/kg	118
Total Xylene Isomers	03.14.96			0.150	mg/kg	97
cis-1,2-Dichloroethene	03.14.96			0.0500	mg/kg	84
cis-1,3-Dichloropropene	03.14.96			0.0500	mg/kg	86
trans-1,2-Dichloroethene	03.14.96			0.0500	mg/kg	83
trans-1,3-Dichloropropene	03.14.96			0.0500	mg/kg	83
1,2-Dichloroethane-d4 Rep.	03.14.96			0.0500	mg/kg	96
1,2-Dichloroethane-d4 Theo.	03.14.96			0.0500	mg/kg	100
4-Bromofluorobenzene Rep.	03.14.96			0.0500	mg/kg	96
4-Bromofluorobenzene Theo.	03.14.96			0.0500	mg/kg	100
Toluene-d8 Reported	03.14.96			0.0500	mg/kg	102
Toluene-d8 Theo.	03.14.96			0.0500	mg/kg	100
. Vol.Pri.Poll. C6031390°		3000107	0.0000	0.0000	g ,g	100
Date Analyzed	03.13.96	9650187	03/13/96	03/13/96	Date	N/A
1,1,1-Trichloroethane	03.13.96			0.0500	mg/kg	79
1,1,2,2-Tetrachloroethane	03.13.96			0.0500	mg/kg	101
1,1,2-Trichloroethane	03.13.96			0.0500	mg/kg	99
1,1-Dichloroethane	03.13.96			0.0500	mg/kg	81
1,1-Dichloroethene	03.13.96			0.0500	mg/kg	82
1,2-Dichloroethane	03.13.96			0.0500	mg/kg	74 Q
1,2-Dichlorobenzene	03.13.96			0.0500	mg/kg	95
1,2-Dichloropropane	03.13.96			0.0500	mg/kg	85
1,3-Dichlorobenzene	03.13.96			0.0500	mg/kg	95
1,4-Dichlorobenzene	03.13.96			0.0500	mg/kg	93
2-Chloroethylvinylether	03.13.96			0.0500	mg/kg	54
2-Hexanone	03.13.96			0.0500	mg/kg	99
Acetone	03.13.96			0.0500	mg/kg	75
Acrolein	03.13.96			0.500	mg/kg	25 Q
Acrylonitrile	03.13.96			0.500	mg/kg	86
Bromodichloromethane	03.13.96			0.0500	mg/kg	99
Bromomethane	03.13.96			0.0500	mg/kg	92
Benzene	03.13.96			0.0500	mg/kg	81
Bromoform	03.13.96			0.0500	mg/kg	95
Chlorobenzene	03.13.96			0.0500	mg/kg	98
					- 5 · · · 5	

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	DATE	BATCH	LC	LT		PERCENT
ARAMETER	ANALYZED		RESULT	RESULT	UNIT	RECOVERY
Carbon Tetrachloride	03.13.96		0.0422	0.0500	mg/kg	84
Chloroethane	03.13.96			0.0500	mg/kg	108
Chloroform	03.13.96			0.0500	mg/kg	75
Chloromethane	03.13.96			0.0500	mg/kg	98
Carbon Disulfide	03.13.96			0.0500	mg/kg	80
Dibromochloromethane	03.13.96			0.0500	mg/kg	95
Ethylbenzene	03.13.96	9650187	0.0497	0.0500	mg/kg	99
Freon 113	03.13.96	9650187	0.0487	0.0500	mg/kg	97
Methyl ethyl ketone	03.13.96	9650187	0.0366	0.0500	mg/kg	73
Methyl isobutyl ketone	03.13.96			0.0500	mg/kg	95
Methylene chloride	03.13.96	9650187	0.0410	0.0500	mg/kg	82
Styrene	03.13.96			0.0500	mg/kg	95
Trichloroethene	03.13.96			0.0500	mg/kg	76
Trichlorofluoromethane	03.13.96			0.0500	mg/kg	105
Toluene	03.13.96			0.0500	mg/kg	97
Tetrachloroethene	03.13.96			0.0500	mg/kg	101
Vinyl acetate	03.13.96			0.0500	mg/kg	93
Vinyl chloride	03.13.96			0.0500	mg/kg	94
Total Xylene Isomers	03.13.96	9650187	0.149	0.150	mg/kg	99
cis-1,2-Dichloroethene	03.13.96			0.0500	mg/kg	84
cis-1,3-Dichloropropene	03.13.96			0.0500	mg/kg	99
trans-1,2-Dichloroethene	03.13.96	9650187	0.0415	0.0500	mg/kg	83
trans-1,3-Dichloropropene	03.13.96	9650187	0.0489	0.0500	mg/kg	98
1,2-Dichloroethane-d4 Rep	03.13.96	9650187	0.0486	0.0500	mg/kg	97
1,2-Dichloroethane-d4 Theo.	03.13.96			0.0500	mg/kg	100
4-Bromofluorobenzene Rep.	03.13.96			0.0500	mg/kg	95
4-Bromofluorobenzene Theo.	03.13.96			0.0500	mg/kg	100
Toluene-d8 Reported	03.13.96			0.0500	mg/kg	100
Toluene-d8 Theo.	03.13.96	9650187	0.0500	0.0500	mg/kg	100

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^ARAMETER . Semi-volatiles	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
Date Analyzed		03.12.96		03/12/96	03/12/96		N/A
Date Extracted		03.12.96		03/12/96	03/12/96		N/A
1,2,4-Trichlorobenzen	е	03.12.96		2.72	2.75	mg/kg	1
<pre>1,2-Dichlorobenzene 1,2-Diphenylhydrazine</pre>		03.12.96 03.12.96		3.09 3.00	3.16 2.97	mg/kg mg/kg	ک 1
1,3-Dichlorobenzene		03.12.96		2.70	2.81	mg/kg	4
1,4-Dichlorobenzene		03.12.96		2.70	2.78	mg/kg	3
2,4,5-Trichlorophenol		03.12.96		3.39	3.36	mg/kg	ī
2,4,6-Trichlorophenol		03.12.96		2.69	2.59	mg/kg	2 1 4 3 1 4 2 3 1
2,4-Dichlorophenol		03.12.96		2.38	2.33	mg/kg	2
2,4-Dimethylphenol		03.12.96		2.32	2.25	mg/kg	3
2,4-Dinitrophenol 2,4-Dinitrotoluene		03.12.96 03.12.96		2.22 2.80	2.24 2.95	mg/kg	<u> </u>
2,6-Dinitrotoluene		03.12.96		2.61	2.72	mg/kg mg/kg	5 4
2-Chloronaphthalene		03.12.96		2.43	2.45	mg/kg	1
2-Chlorophenol		03.12.96		2.51	2.50	mg/kg	Õ
2-Methyl-4,6-dinitrop	heno l	03.12.96	9645	1.96	1.99	mg/kg	2
2-Methylnaphthalene	- 1	03.12.96		2.27	2.29	mg/kg	0 2 1 1 4 4 3 1 2
2-Methylphenol (o-Cre	sol)	03.12.96		2.80	2.77	mg/kg	1
2-Nitroaniline		03.12.96		2.42	2.45	mg/kg	1
2-Nitrophenol 3,3'-Dichlorobenzidin	6	03.12.96 03.12.96		2.55 2.58	2.44 2.47	mg/kg mg/kg	4
3-Nitroaniline	L	03.12.96		2.18	2.24	mg/kg	3
4-Bromophenylphenylet	her	03.12.96		2.55	2.58	mg/kg	ĭ
4-Chloro-3-methylphen		03.12.96		2.59	2.55	mg/kg	2
4-Chloroaniline	. •	03.12.96		2.37	2.35	mg/kg	
4-Chlorophenylphenyle		03.12.96		2.61	2.94	mg/kg	12
4-Methylphenol (p-Crest 4-Nitroaniline	501)	03.12.96		2.63	2.61	mg/kg	1
4-Nitrophenol		03.12.96 03.12.96		2.16 2.54	2.22 2.47	mg/kg	.3 2
Acenaphthene		03.12.96		2.72	2.84	mg/kg mg/kg	1 3 3 4 1
Acenaphthylene		03.12.96		2.62	2.65	mg/kg	1
Aniline		03.12.96		1.73	1.63	mg/kg	6
Anthracene		03.12.96		2.38	2.41	mg/kg	1
Benzidine		03.12.96		0	0	mg/kg	N/A
Benzo(a)anthracene		03.12.96		2.59		mg/kg	2
Benzo(a)pyrene Benzo(b)fluoranthene		03.12.96 03.12.96		2.51 2.01		mg/kg	1
Benzo(g,h,i)perylene		03.12.96		2.61		mg/kg mg/kg	5
Benzo(k)fluoranthene		03.12.96		2.68		mg/kg	5
Benzyl Alcohol		03.12.96		2.46		mg/kg	5 2 5 1
Benzoic acid		03.12.96		2.11	3.13	mg/kg	39
Butylbenzylphthalate		03.12.96		3.25		mg/kg	4
Chrysene		03.12.96	9645	2.58	2.67	mg/kg	3

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F		ne ine iher ite ed ical ical ical	DATE ANALYZED 03.12.96	9645 9645 9645 9645 9645 9645 9645 9645	LC1 RESULT 2.92 2.43 2.42 2.71 2.46 2.57 2.47 2.67 2.76 2.89 3.98 3.02 2.31 2.65 3.77 2.89 2.86 2.27 2.89 2.86 2.27 2.92 2.82 2.92 2.82 2.92 2.92 2.92 2.92	LC2 RESULT 2.98 2.48 2.79 2.54 2.57 2.67 2.57 2.67 2.66 1.76 3.01 2.99 2.99 2.99 2.99 2.99 2.99 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50	Umgg/kkggggggggggggggggggggggggggggggggg	RELATIVE % DIFF 2 2 2 3 3 4 2 1 1 0 2 4 13 0 3 2 8 1 1 1 37 2 4 3 8 0 1 3 0 0 0 9 0 2 0 2 0 1 0
2	PCBs Pate Analyzed Date Extracted Aroclor 1260 Pecachlorobiphenyl Repordecachlorobiphenyl Theory	(((ted	03.13.96 03.13.96 03.13.96 03.13.96 03.13.96	9640 9640 9640 9640	03/13/96 03/12/96 0.291 0.0095 0.0083	03/13/96 03/12/96 0.260 0.0102 0.0083	Date	N/A N/A 11 7

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SAMPLE NUMBER Tetrachloro-meta-xylene Rpt. Tetrachloro-meta-xylene Theor.	DATE ANALYZED 03.13.96 03.13.96	9640	LC1 RESULT 0.0077 0.0083	LC2 RESULT 0.0090 0.0083	UNIT mg/kg mg/kg	RELATIVE % DIFF 16 0
3. Diesel/Hydraulic Oil Date Analyzed Date Extracted Naphthalene Reported Naphthalene Theoretical Vol.Pri.Poll.	03.07.96 03.07.96 03.07.96 03.07.96	963008 963008	03/07/96 03/07/96 67.6 50.0	03/07/96 03/07/96 81.2 50.0		N/A N/A 18 O
Date Analyzed 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane	03.14.96 03.14.96 03.14.96 03.14.96 03.14.96 03.14.96	9650187 9650187 9650187 9650187	0.0438 0.0446 0.0414	03/13/96 0.0395 0.0504 0.0497 0.0407 0.0411	Date mg/kg mg/kg mg/kg mg/kg mg/kg	N/A 15 14 11 2
1,2-Dichloroethane 1,2-Dichlorobenzene 1,2-Dichloropropane 1,3-Dichlorobenzene 1,4-Dichlorobenzene	03.14.96 03.14.96 03.14.96 03.14.96 03.14.96	9650187 9650187 9650187 9650187 9650187	0.0358 0.0468 0.0404 0.0475 0.0463	0.0370 0.0473 0.0424 0.0473 0.0467	mg/kg mg/kg mg/kg mg/kg mg/kg	2 4 3 1 5 0
2-Chloroethylvinylether 2-Hexanone Acetone Acrolein Acrylonitrile Bromodichloromethane	03.14.96 03.14.96 03.14.96 03.14.96 03.14.96	9650187 9650187 9650187 9650187	0.0377 0.0255 0.0818 0.324	0.0268 0.0493 0.0376 0.126 0.432 0.0497	mg/kg mg/kg mg/kg mg/kg mg/kg	55 27 38 43 29 7
Bromomethane Benzene Bromoform Chlorobenzene Carbon Tetrachloride	03.14.96 03.14.96 03.14.96 03.14.96 03.14.96	9650187 9650187 9650187 9650187 9650187	0.0542 0.0407 0.0433 0.0470 0.0440	0.0461 0.0405 0.0475 0.0492 0.0422	mg/kg mg/kg mg/kg mg/kg mg/kg	16 0 9 5 4
Chloroethane Chloroform Chloromethane Carbon Disulfide Dibromochloromethane Ethylbenzene	03.14.96 03.14.96 03.14.96 03.14.96 03.14.96 03.14.96	9650187 9650187 9650187 9650187 9650187	0.0395 0.0480 0.0388 0.0448 0.0480	0.0538 0.0373 0.0491 0.0401 0.0476 0.0497	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	23 6 2 3 6 3
Freon 113 Methyl ethyl ketone Methyl isobutyl ketone Methylene chloride Styrene Trichloroethene	03.14.96 03.14.96 03.14.96 03.14.96 03.14.96 03.14.96	9650187 9650187 9650187 9650187	0.0271 0.0332 0.0396 0.0466	0.0477 0.0410 0.0476	mg/kg mg/kg mg/kg mg/kg mg/kg	10 30 36 3 2 2 9
Trichloroethene Trichlorofluoromethane Toluene Tetrachloroethene	03.14.96 03.14.96 03.14.96	9650187 9650187	0.0575 0.0450	0.0526 0.0484	mg/kg mg/kg mg/kg mg/kg	9 7 7

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	SAMPLE	DATE	BATCH	LC1	LC2		RELATIVE
P^RAMETER	NUMBER	ANALYZED	NUMBER	RESULT	RESULT	UNIT	% DIFF
Vinyl acetate		03.14.96	9650187	0.0226	0.0466	mg/kg	69 Q
Vinyl chloride		03.14.96	9650187	0.0591	0.0471	mg/kg	23
Total Xylene Isome	ers	03.14.96	9650187	0.145	0.149	mg/kg	3
cis-1,2-Dichloroet		03.14.96	9650187	0.0421	0.0419	mg/kg	0
cis-1,3-Dichloropr		03.14.96	9650187	0.0428	0.0494	mg/kg	14
trans-1,2-Dichlord		03.14.96	9650187	0.0415	0.0415	mg/kg	0
trans-1,3-Dichloro		03.14.96	9650187	0.0417	0.0489	mg/kg	16
1,2-Dichloroethane		03.14.96	9650187	0.0480	0.0486	mg/kg	1
1,2-Dichloroethane		03.14.96	9650187	0.0500	0.0500	mg/kg	0
4-Bromofluorobenze		03.14.96	9650187	0.0481	0.0473	mg/kg	2
4-Bromofluorobenze		03.14.96	9650187	0.0500	0.0500	mg/kg	0
Toluene-d8 Reporte	ed	03.14.96	9650187	0.0511	0.0499	mg/kg	2
Toluene-d8 Theo.		03.14.96	9650187	0.0500	0.0500	mg/kg	0

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MATRIX QC ACCURACY (SPIKES) BATCH QC REPORT

	AMPLE DATE		MS	MSD	TRUE		
^ARAMETER NU		ED NUMBER	%	%	RESULT	UNIT	
. PCBs	9602506*1						
Aroclor 1260	03.12.	96 9640	NC	NC	0.48	mg/kg	NC
Decachlorobiphenyl Repor	rted 03.12.	96 9640	100	100	0.0113	mg/kg	
Decachlorobiphenyl Theor	retical 03.12.	96 9640	100	100	0.0083	mg/kg	
Tetrachloro-meta-xylene		96 9640	100	100	0.0090	mg/kg	
Tetrachloro-meta-xylene		96 9640	100	100	0.0083	mg/kg	
	9602506*3						
Hydraulic Oil	03.07.	96 963008	111	105	587	mg/kg	
Diesel	03.07.	96 963008	126	121	500	mg/kg	
Naphthalene Reported	03.07.	96 963008	186 Q	199 Q	50.0	mg/kg	Q
Naphthalene Theoretical	03.07.	96 963008	100	100	50.0	mg/kg	
3. Gasoline	9602506*3					-	
Gasoline	03.07.	96 963008	170	156	500	mg/kg	
Naphthalene Reported	03.07.	96 963008	172 Q	165 Q	50.0	mg/kg	Q
Naphthalene Theoretical	03.07.	96 963008	100	100	50.0	mg/kg	

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MATRIX QC PRECISION (DUPLICATE SPIKES) BATCH QC REPORT

^ ARAMETER	SAMPLE NUMBER 9602506*1	DATE ANALYZED	BATCH NUMBER	MS RESULT	MSD RESULT	UNIT	RELATIVE % DIFF
PCBs Date Analyzed Date Extracted Aroclor 1260 Decachlorobiphenyl F Decachlorobiphenyl Tetrachloro-meta-xyl	Reported Theoretical	03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96	9640 9640 9640 9640	03/12/96 03/12/96 0.48 0.0113 0.0083 0.0090	03/12/96 03/12/96 0.48 0.0113 0.0083 0.0090	Date Date mg/kg mg/kg mg/kg mg/kg	N/A N/A O O O O
Tetrachloro-meta-xy? 2. Diesel/Hydraulic Of	lene Theor.	03.12.96	9640	0.0083	0.0083	mg/kg	0
Date Analyzed Date Extracted Hydraulic Oil Diesel		03.07.96 03.07.96 03.07.96 03.07.96	963008 963008	03/07/96 03/07/96 640 628	03/07/96 03/07/96 614 603	Date mg/kg mg/kg	N/A N/A 4 4 7
Naphthalene Reported Naphthalene Theoret 3. Gasoline		03.07.96 03.07.96	963008	92.8 50.0	99.4 50.0	mg/kg mg/kg	7 0
Date Analyzed Date Extracted Gasoline Naphthalene Reported Naphthalene Theoret	i	03.07.96 03.07.96 03.07.96 03.07.96 03.07.96	963008 963008 963008	03/07/96 03/07/96 851 86.2 50.0	03/07/96 03/07/96 778 82.3 50.0	Date Date mg/kg mg/kg mg/kg	N/A N/A 9 5 0

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F	RAMETER		BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
!	- · · · · · ·	03.12.96	0645	03/12/96	NA	Date	8270
	Date Analyzed			03/12/96	NA	Date	8270
	Date Extracted	03.12.96		_	0.2	mg/kg	8270
	1,2,4-Trichlorobenzene	03.12.96		0	0.2		8270
	1,2-Dichlorobenzene	03.12.96		0		mg/kg	8270
	1,2-Diphenylhydrazine	03.12.96		0	0.2	mg/kg	8270
	1,3-Dichlorobenzene	03.12.96		0	0.2	mg/kg	
	1,4-Dichlorobenzene	03.12.96		0	0.2	mg/kg	8270
	2,4,5-Trichlorophenol	03.12.96		0	0.2	mg/kg	8270
	2,4,6-Trichlorophenol	03.12.96		0	0.2	mg/kg	8270
	2,4-Dichlorophenol	03.12.96		0	0.2	mg/kg	8270
	2,4-Dimethylphenol	03.12.96		0	0.2	mg/kg	8270
	2,4-Dinitrophenol	03.12.96		0	0.4	mg/kg	8270
	2,4-Dinitrotoluene	03.12.96		0	0.2	mg/kg	8270
	2,6-Dinitrotoluene	03.12.96		0	0.2	mg/kg	8270
	2-Chloronaphthalene	03.12.96		0	0.2	mg/kg	8270
	2-Chlorophenol	03.12.96		0	0.2	mg/kg	8270
	2-Methyl-4,6-dinitropheno	03.12.96		0	0.2	mg/kg	8270
	2-Methylnaphthalene	03.12.96	9645	0	0.2	mg/kg	8270
	2-Methylphenol (o-Cresol)	03.12.96		0	0.2	mg/kg	8270
	2-Nitroaniline	03.12.96	9645	0	0.2	mg/kg	8270
	2-Nitrophenol	03.12.96	9645	0	0.2	mg/kg	8270
	3,3'-Dichlorobenzidine	03.12.96	9645	0	0.4	mg/kg	8270
	3-Nitroaniline	03.12.96	9645	0	0.2	mg/kg	8270
	4-Bromophenylphenylether	03.12.96	9645	0	0.2	mg/kg	8270
	4-Chloro-3-methylphenol	03.12.96	9645	0	0.2	mg/kg	8270
	4-Chloroaniline	03.12.96		0	0.2	mg/kg	8270
	4-Chlorophenylphenylether	03.12.96		0	0.2	mg/kg	8270
	4-Methylphenol (p-Cresol)	03.12.96		0	0.4	mg/kg	8270
	4-Nitroaniline	03.12.96		0	0.2	mg/kg	8270
	4-Nitrophenol	03.12.96		0	0.2	mg/kg	8270
	Acenaphthene	03.12.96		0	0.2	mg/kg	8270
	Acenaphthylene	03.12.96		0	0.2	mg/kg	8270
	Aniline	03.12.96		0	0.2	mg/kg	8270
	Anthracene	03.12.96		0	0.2	mg/kg	8270
	Benzidine	03.12.96		0	4	mg/kg	8270
	Benzo(a)anthracene	03.12.96		Ō	0.2	mg/kg	8270
	Benzo(a)pyrene	03.12.96		0	0.2	mg/kg	8270
	Benzo(b)fluoranthene	03.12.96		Ö	0.2	mg/kg	8270
	Benzo(g,h,i)perylene	03.12.96		Ŏ	0.2	mg/kg	8270
	Benzo(k)fluoranthene	03.12.96		Ŏ	0.2	mg/kg	8270
	Benzyl Alcohol	03.12.96		Ö	0.4	mg/kg	8270
	Benzoic acid	03.12.96		Ö	2	mg/kg	8270
	Butylbenzylphthalate	03.12.96		Ō	0.2	mg/kg	8270
	Chrysene	03.12.96		Ŏ	0.2	mg/kg	8270
			_			~ ~	

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		DATE		BATCH	BLANK			
Γ.	ARAMETER	ANALYZE			RESULT	RDL	UNIT	METHOD
	Di-n-octylphthalate	03.12.9			0	0.2	mg/kg	8270
	Dibenzo(a,h)anthracene	03.12.9	96	9645	0	0.2	mg/kg	8270
	Dibenzofurań	03.12.9			0	0.2	mg/kg	8270
	Dibutylphthalate	03.12.9			0.0057	0.2	mg/kg	8270
	Diethylphthalate	03.12.9			0	0.2	mg/kg	8270
	Dimethylphthalate	03.12.9			0	0.2	mg/kg	8270
	Fluoranthene	03.12.9			Ō	0.2	mg/kg	8270
	Fluorene	03.12.9	96	9645	Ŏ	0.2	mg/kg	8270
	Hexachlorobenzene	03.12.9			ŏ	0.2	mg/kg	8270
	Hexachlorobutadiene	03.12.9			Ŏ	0.2	mg/kg	8270
	Hexachlorocyclopentadiene	03.12.9			0	0.2	mg/kg	8270
	Hexachloroethane	03.12.9			0	0.2	mg/kg	8270
	Indeno(1,2,3-c,d)pyrene	03.12.9			0	0.2	mg/kg	8270
	Isophorone	03.12.9			0	0.2	mg/kg	8270 8270
	N-Nitrosodimethylamine	03.12.9			0	0.2	mg/kg	8270
	N-Nitrosodiphenylamine	03.12.9			0	0.2	mg/kg	8270
	N-Nitrosodi-n-propylamine	03.12.9			0	0.2	mg/kg mg/kg	8270
	Nitrobenzene	03.12.9			0	0.2	mg/kg	8270
	Naphthalene	03.12.9			0	0.2		8270 8270
	Phenanthrene	03.12.9			0	0.2	mg/kg	8270 8270
	Pheno 1	03.12.9			0	0.2	mg/kg	8270 8270
	Pentachlorophenol	03.12.9			0	0.2	mg/kg	
	Pyrene	03.12.9			0	0.2	mg/kg	8270
	Pyridine	03.12.9			0	0.4	mg/kg	8270
	Bis(2-chloroethoxy)methane	03.12.9			0	0.4	mg/kg	8270 8270
	Bis(2-chloroethyl)ether	03.12.9			0	0.2	mg/kg	
	Bis(2-chloroisopropyl)ether	03.12.9			0	0.2	mg/kg	8270
	Bis(2-ethylhexyl)phthalate						mg/kg	8270
		03.12.9			0.0070	0.4	mg/kg	8270
	2-Fluorobiphenyl Reported	03.12.9			1.36	0.2	mg/kg	8270
	2-Fluorobiphenyl Theo.	03.12.9			1.67	NA	mg/kg	8270
	2-Fluorophenol Reported	03.12.9			1.87	0.2	mg/kg	8270
	2-Fluorophenol Theoretical	03.12.9			2.50	NA	mg/kg	8270
	2,4,6-Tribromophenol Rep.	03.12.9		9645	1.71	0.2	mg/kg	8270
	2,4,6-Tribromophenol Theo.	03.12.9			2.50	NA	mg/kg	8270
	Nitrobenzene-d5 Reported	03.12.9			1.27	0.2	mg/kg	8270
	Nitrobenzene-d5 Theoretical	03.12.9			1.67	NA	mg/kg	8270
	Phenol-d5 Reported	03.12.9			2.40	0.2	mg/kg	8270
	Phenol-d5 Theoretical	03.12.9			2.50	NA	mg/kg	8270
	Terphenyl-d14 Reported	03.12.9			1.27	0.2	mg/kg	8270
	Terphenyl-d14 Theoretical	03.12.9	6 9	9645	1.67	NA	mg/kg	8270
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	Date Analyzed	03.12.9			03/12/96	NA	Date	8080
	Date Extracted	03.12.9			03/12/96	NA	Date	8080
	Aroclor 1016	03.12.9			0	0.03	mg/kg	8080
	Aroclor 1221	03.12.9	6 9	9640	0	0.03	mg/kg	8080

ORDER QC REPORT FOR G9602506

I TE REPORTED : 05/06/96 Page 3

P^RAMETER Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Decachlorobiphenyl Reported Decachlorobiphenyl Theoretical Tetrachloro-meta-xylene Rpt. Tetrachloro-meta-xylene Theor. Gasoline B603667*	DATE ANALYZED 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96 03.12.96	9640 9640 9640 9640 9640 9640 9640	BLANK RESULT 0 0 0 0 0 0.0085 0.0083 0.0082 0.0083	RDL 0.03 0.03 0.03 0.03 0.003 0.002 NA 0.002 NA	UNIT mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	METHOD 8080 8080 8080 8080 8080 8080 8080 80
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ORDER QC REPORT FOR G9602506

THE REPORTED: 05/06/96 Page 4

Chloroform Chloromethane Carbon Disulfide Dibromochloromethane Ethylbenzene Freon 113 Methyl ethyl ketone Methyl isobutyl ketone Methylene chloride Styrene Trichloroethene Trichlorofluoromethane Toluene Tetrachloroethene Vinyl acetate Vinyl chloride Total Xylene Isomers 0 0 0 0 0 0 0 0 0 0 0 0 0	3.13.96 3.13.96 3.13.96 3.13.96 3.13.96 3.13.96 3.13.96 3.13.96 3.13.96 3.13.96 3.13.96 3.13.96 3.13.96 3.13.96 3.13.96 3.13.96 3.13.96	9650187 9650187 9650187 9650187 9650187 9650187 9650187 9650187 9650187 9650187 9650187 9650187 9650187	0 0 0 0 0 0 0 0.0016 0 0 0 0	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/kg	METHOD 8240 8240 8240 8240 8240 8240 8240 8240
Tetrachloroethene 0	3.13.96	9650187	0	0.005	mg/kg	8240
Vinyl chloride 0	3.13.96	9650187	0	0.005	mg/kg	8240
cis-1,2-Dichloroethene 0	3.13.96	9650187	0	0.005	mg/kg	8240
trans-1,2-Dichloroethene 0	3.13.96	9650187	0	0.005	mg/kg	8240 8240 8240
1,2-Dichloroethane-d4 Rep. 0	3.13.96 3.13.96 3.13.96	9650187	0.0472	0.005	mg/kg	8240 8240
4-Bromofluorobenzene Rep. 0	3.13.96 3.13.96	9650187	0.0478	0.005	mg/kg	8240 8240
Toluene-d8 Reported 0	3.13.96 3.13.96	9650187	0.0476	0.005	mg/kg	8240 8240

CHAIN OF CUSTODY RECORD

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B C ANALYTICAL

1 1085 Shary Circle, Concord, CA 94518 (510) 825-3894 1 3801 Western Avenue, Glendale, CA 91201 (818) 247-5737 1 3900 Gene 304 390, Ar 30 50 CA 90000 714) 90000 3

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.

Disposal arrangements: ___

'KEY, AG--Aqueous NA--Nonaqueous St.--Sludge GW--Groundwater SO--Soil PE--Petroleum

APPENDIX C

NON-HAZARDOUS WASTE MANIFEST

WITH#001713

NON-HAZARDOUS

001716 1.0T

MATERIALS MANIFEST

GENERATOR	Scars	
Site Address 9000	Northpate Sant	Enfact CA
		d. Hollman Estates 12 60179
Phone : 84+) 286-		Contact: Gary Taylor
Andrew Control of the		
TRANSPORTER	Des Rocks T	Into a
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Hundan	- M 95292	
Phone :(709_838-	- OA 95-192	Contact: Lovi Den Beste
		ras picked up at the generator site listed there.
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	11'DO AR	Onp Date.
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Consultant/Owner	Dames + Mare	t= 2_
Address 22/ Us	un St Ste 1000	
SF(A 94105 -5858	
Phone :(4/5) 896	- 5858°	Contact: Branden Born
I herby certify that the	above named material is o	consistent with the information presented in the Waste Characterization
A DIVIN WAY COLUMNIST	eu oui beschipion rom, g	300 Das been broperly described, described and pooks and and in the
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Name Du _		Date: 4/24/96
Recycling Facility		
necycling Pacinty	REMEDIAL ENVIRO	NMENTAL MARKETING CO. INC.
-वर्ग	2717 GOODRICK AV	/ENUE RICHMOND, CA 94801
RECEIVED BY:	All Maria I.	
DATE:	4/30/9%	
Control No:) / \(\tag{\chi} \)	

A COPY OF THIS SHEET MUST ACCOMPANY EVERY LOAD, AND MUST BE SUBMITTED AT THE GATE FOR ENTRY. ALL LOADS MUST BE SCHEDULED AT LEAST 24 HOURS IN ADVANCE. DELIVERIES MUST BE SCHEDULED ON A DAILY BASIS. ANY UNSCHEDULED LOADS MAY BE REFUSED AT THE GATE.



LEGAL DEPARTMENT

I. Lawrence Gelman Vice President - Real Estate Law

August 13, 1998

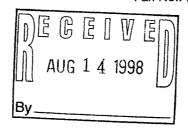
Via Federal Express

✓ Macerich Northwestern Associates c/o The Macerich Company P.O. Box 2172 401 Wilshire Boulevard #700 Santa Monica, CA 90407

Attn: Chet A. Cramin, Legal Department

MAIN OFFICE:

30 Hunter Lane, Camp Hill, PA 17011 Telephone No.: (717) 761-2633 Fax No.: (717) 975-5952 Fax



Macerich Northwestern Associates Broadway Plaza 1275 Broadway Plaza Walnut Creek, CA 94596

Attn: Manager

RE: <u>Las Gallinas & Northgate Drive, San Rafael, CA/Proposed RA#5958-relo</u>
<u>Lease dated February 23, 1984 as amended (the "Lease") for premises located at 1500 Northgate Mall, San Rafael, CA (the "Premises")</u>

Gentlemen:

Pursuant to Paragraph 44(g) of that certain Lease Amendment Agreement dated December 29, 1997 regarding the New Premises, please find a copy of a Geotechnical Investigation Report prepared by Tong & Chang Consultants, Inc. dated August 4, 1998 and an Environmental Site Assessment Report prepared by Faultline Associates, Inc. dated August 4, 1998 (the "Environmental Report").

The Environmental Report recommends further subsurface investigation to determine whether the offsite sources of Hazardous Materials have migrated to the Land. For this reason, we are requesting your approval to conduct a limited Phase II assessment. However, due to the fact that the Land Approval Period expires 60 days from receipt of Landlord's Notice of Relocation of Premises, which is dated June 18, 1998, we are obliged to preserve our rights under the Lease as amended and accordingly, this will serve as our Notice of Disapproval of the environmental condition of the Land.

We would like to extend the Land Approval Period for a short period to conduct a limited Phase II assessment of the condition identified herein. Upon your receipt and review of the enclosures, please contact the undersigned to discuss our request further. This will serve to confirm our telephone conversation this afternoon with Chet Cramin of the Macerich Company wherein he agreed that our Federal Express mailing satisfies the notice requirements under the Lease with regard to the foregoing.

Robert B. Sari Associate Counsel encl.

Thristy/Payless/Inc.

Sincere

☐ P.O. Box 3165 Harrisburg, PA 17105 (717) 761-2633 (717) 975-5952 Fax

☐ 7 Neshaminy Interplex, Suite 209 Trevose, PA 19053 (215) 245-6553 (215) 245-4275 Fax 18500 Von Karman Avenue, Suite 390 Irvine, CA 92612 (949) 863-1032 (949) 863-1047 Fax

ENVIRONMENTAL SITE ASSESSMENT REPORT

FOR

RITE AID STORE SITE NORTHGATE @ LAS GALLINAS SAN RAFAEL, CA

August 4, 1998

Faultline Associates, Inc.

Faultline Associates, Inc.

1630 N. Main Street #331 Walnut Creek, CA 94596 Phone: 888-258-4760 Fax: 925-280-9609

August 4, 1998

Reference: File No. SF075-050

Mr. Ted Aquino
Tait & Associates, Inc.
1001 Galaxy Way, Suite 304
Concord, CA 94520

Subject: Phase I Environmental Site Assessment Report

Rite Aid Store Site

Northgate Dr. @ Las Gallinas Ave., San Rafael, CA

Dear Mr. Aquino:

Pursuant to your request, FAULTLINE Associates, Inc., is pleased to submit for your review and consideration, the attached Phase I Site Assessment Report for the Rite Aid, San Rafael site.

The attached report presents the activities performed and includes data pertaining to on-site inspection and evaluation activities, regulatory file review, and conclusions and recommendations.

Please contact us at your earliest convenience if you have any questions concerning the information provided or if you require any additional assistance.

Sincerely,

David C. Solis, J.D., P.E.

Principal ·

Attachment

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

RITE AID STORE SITE

LAS GALLINAS @ NORTHGATE

SAN RAFAEL, CALIFORNIA

I. INTRODUCTION AND PURPOSE

This report presents the results of a Phase I Environmental Site Assessment conducted at the above mentioned site near the intersection of Northgate Drive and Las Gallinas Avenue, San Rafael, California. At the request of Tait & Associates, Inc., the subject site is covered in this Phase I Environmental Site Assessment and will be referred to as (the subject site).

FAULTLINE Associates, Inc. (FAI) has prepared this Phase I Environmental Site Assessment (PI-ESA), as authorized by Tait & Associates, Inc., in accordance with the current standard environmental assessment practices in the region.

The purpose of the ESA is to identify the potential presence of hazardous wastes or substances and/or related present or past activities which might be a source of contamination on the subject site or in the site vicinity.

II. SCOPE OF WORK

In accordance with our proposal dated June 29, 1998, this PI-ESA consists of the following tasks:

- 1. Provide a site overview to include location, description of adjacent properties, and a general description of the subject site.
- 2. Provide available data on the history and operations of the subject site.
- 3. Present reference data on the environmental setting including general information on surface topography, soil conditions, groundwater conditions, and any pertinent data from third party consultants or agencies.
- 4. Provide results of the following investigation activities:
 - a. Investigate waste site database (VISTA) or other published information regarding waste sites in the area of the subject site.
 - b. Perform reconnaissance and traverses of the parcels and the surrounding areas.

Observe site conditions for evidence of past activities which suggest the handling of hazardous wastes or hazardous substances.

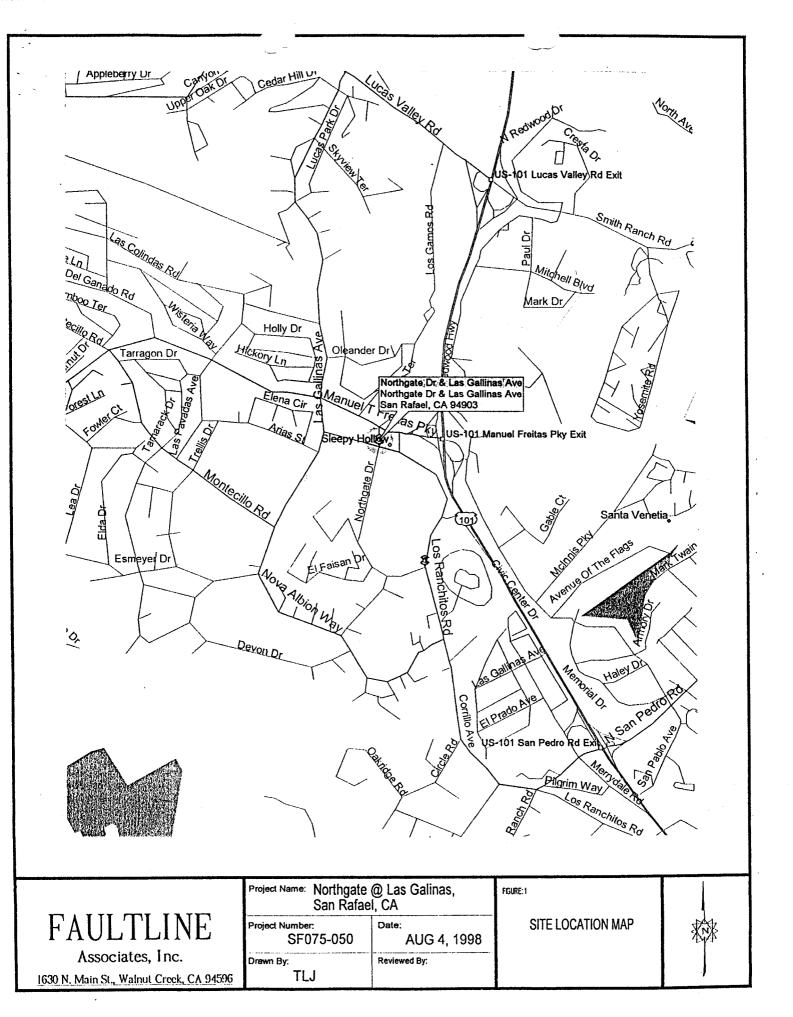
- c. Review available aerial photographs of the site over the past history of site activity.
- d. Contact regulatory agencies and other parties with knowledge of past site and site area activities. Review agency files as appropriate.
- 5. Prepare a discussion focusing on potential pollutant sources and hazardous material/waste activities on or near the project site.
- 6. Prepare this report upon the completion of the five previous tasks and include our findings and conclusions regarding the potential for contamination of each site and/or site area from the information collected.

III. SITE OVERVIEW

A. Location and Description

The subject site is located approximately 0.25- miles east of US 101 and 0.1-miles south of Freitas Parkway at the southwestern fringe of the Tera Linda district of San Rafael in Marin County California. The site, located at the intersection of Northgate Dr. and Las Gallinas Ave. consists of a rectangular shaped parcel totaling approximately 50,000 square feet. The site rests at an elevation of approximately 70-feet above mean sea level (U.S. Geological Survey, 1978). Development in the direct vicinity of the subject site vary from residential to commercial buildings, however, the predominant local development is commercial. The subject site is bounded to the north by Las Gallinas Ave., the south by Northgate Mall, the east by surplus mall parking, and the west by Northgate Dr. There are no current structures maintained on the subject parcel.

Surface water at the site drains into several catch basins located throughout the parcel. The catch basins are drained by several storm drains located on both Northgate Dr. and Las Gallinas Ave. and eventually to the San Pablo Bay. The topography of the site is relatively flat with a slight grade toward the north.



B. Project Area History

This area of north-central Marin County had been primarily agricultural of an unknown nature and residential from the late 1800's to the late 1960's. Both residential and commercial development in the general vicinity has rapidly accelerated since the early1970's. The subject site was initially developed sometime between 1963 and 1970 to be, and has remained as, the northwest parking area for the Northgate Mall.

C. Regional Geologic Setting

The general Tera Linda and San Rafael area lie on the east side of the San Andreas Fault and rests between Big Rock Ridge to the northwest, Mt. Tamalpias to the southwest and the San Francisco Bay to the east. It is situated upon the Franciscan assemblage which underlies a large portion of Marin County. The Franciscan assemblage is a heterogeneous assemblage of rocks including graywacke, arkoxic sandstone, shale, altered volcanics, chert, and serpentinite that are sheared and intermixed to various degrees. The rocks are considered sedimentary, metamorphic and igneous.

Subsurface soils within the area have been characterized as deposits of sand, sandstone, greenstone, and serpentine.

D. Site Hydrologic Setting

The subject site rests at an elevation of approximately 70-feet above mean sea level. The site was observed to be generally flat with a slight grade to the north. Surface runoff and storm water on the site in the general community drains into several catch basins located on the subject property and surrounding thoroughfares. The catch basins and storm drains are drained to the San Pablo Bay. Local waterways or tributaries in the area are the Miller Creek, located approximately 1.5-miles north of the site and the south fork of the Gallinas Creek, located .75-miles east of the subject site.

Available data pertaining to the groundwater conditions in the immediate area of the subject site indicate a depth to the first groundwater table of approximately 24 to 30- feet below ground surface Regional groundwater flow direction is assumed to be toward the south/southeast.

E. Environmental Setting

The subject site is located in a mixed commercial/residential area. The site is relatively level with a slight grade toward the north. The site is predominantly surrounded by commercial buildings. The site is completely paved with asphaltic materials. Sporadic vegetation in the form of trees planted in planter type boxes are found throughout the site.

DEL PRESIDIO LAS GALLINAS + +-NORTHGATE DRIVE NORTHGATE MALL NOT TO SCALE Project Name: Northgate @ Las Galinas, San Rafael, CA FIGURE: 2 SITE PLAN Date: Project Number: SF075-050 AUG 4, 1998 Associates, Inc. Reviewed By: Drawn By: TLJ 1630 N. Main St., Walnut Creek, CA 94596

IV. RESULTS OF FIELD INVESTIGATIONS

A. Site Reconnaissance

Reconnaissance of the subject site was conducted on July 17, 1998. Inspection of the subject site was conducted by site reconnaissance and aerial photograph review. The subject site consists of a single rectangular parcel totaling approximately 50,000 square feet. This Phase I Environmental Site Assessment did not include soil, water, or Asbestos Containing Materials (ACM) sampling.

B. Site Audit/Inspection Findings

Potential environmental risk observations were made during the site inspection that took place on July 17, 1998. The following is a list of environmental hazards that are commonly addressed in a Phase I Environmental Site Assessment. Their presence in this section does not necessarily imply their presence on the subject site unless otherwise noted.

Asbestos

Any structure built before 1978 has the potential to contain asbestos as an insulating component. No structures were encountered at the subject site.

PCB's

Electrical transformer boxes are the primary source of PCB's as a contaminant source. No overhead electrical lines with electrical transformer boxes or underground transformer vaults were observed at or near the subject site.

Underground Structures

No historical usage of any subsurface structures such as underground tanks (UST) or sumps was revealed during the site historical use review. Additionally, no evidence of fill pipes, vent lines or other apparatus which may be associated with the usage of UST or sumps was observed or noted during site inspection activities.

Groundwater Wells

No groundwater wells either domestic or industrial were observed at the subject site. However, several environmental groundwater monitoring wells were observed at several sites located within 500 feet of the subject parcel.

Spills

No signs of surface spills or stressed vegetation were noted during the site inspection.

Air Emissions

No obvious environmentally hazardous air emitters were noted near the subject site during the site inspection. No evidence of documented fugitive air emission violations was found during file research activities.

Water Supplies

Water is currently supplied by the Marin Municipal Water District

Hazardous Materials

A visual inspection of the subject site did not discover any signs of stressed vegetation related to hazardous material exposure. No indications of hazardous material storage was noted during the site inspection.

Radon

Radon is a radioactive gas released during the decay of uranium. It can build up in homes and other structures underlain by uranium-bearing rocks. These rocks are commonly associated with granitic plutons such as the Sierra Nevada Batholith. Occurrences in a sedimentary basin such as the San Rafael area have not been identified and the risk is therefore minimal. There has been uranite found in gold-bearing sedimentary deposits, although it is not common.

Lead

Any structure built before 1978 has the potential to contain lead based paint. No structures were encountered at the subject site.

Formaldehyde

There was no evidence of the use or storage of any formaldehyde containing materials at the subject sites.

Pesticides

The site does have known historical agricultural usage prior to 1960. Although application of both pesticide and herbicidal chemicals was common practice during this era, it is highly unlikely that residual concentrations of these chemicals which would present a human health risk would be encountered at the site. Further assessment of the native soils would be required to confirm any potential impact to the subsurface soils and/or groundwater by pesticides.

Sewer System

Sanitary sewage services are supplied to the site by the Marin County Sanitary District.

Surface Drainage

Surface runoff and storm water on the site in the general community drains into several catch basins and storm drains located on the subject property and surrounding thoroughfares. The catch basins and storm drains are drained eventually to the San Pablo Bay.

V. REGULATORY AGENCY CONTACTS, LIST AND FILE REVIEW

Agency contacts were made and available lists of known active and abandoned hazardous waste/material sites were reviewed in order to compile a list of potential sources of contamination in the vicinity of the sites. The lists reviewed and sites identified within one mile of the subject sites are in the VISTA database report presented in Appendix A. In addition to the VISTA database search, we reviewed site area files and lists at the Marin Fire District Headquarters. This section presents information gathered as a result of the list review and file inspection.

A. List Review

The following are the lists reviewed during this phase of investigation and the corresponding sites within approximately one mile of the subject site.

CERCLIS Contaminated sites under CERCLA (1980)

NPL Federal Superfund Sites List

TSD Facilities that treat, store, or dispose of hazardous waste

CORRACTS Facilities under RCRA corrective actions
SPL Sites prioritized by the State for cleanup

SCL Sites under review by the State

SWLF Sites permitted as solid waste landfills, incinerators, or transfer

stations

TOXIC PITS Toxic Pits cleanup list

TRIS Facilities with toxic chemical releases, and inventories

UST/AST Sites with registered underground or aboveground storage tanks

CORTESE Hazardous Waste and Substances Site List ERNS Sites with previous hazardous materials spills

GNRTR Sites that generate large or small quantities of hazardous waste

LUST Leaking Underground Storage Tanks - SF Bay Region 1,

Leaking Underground Tank List

LUFT Leaking Underground Fuel Tank List, Marin Fire District

B. Regulatory and Public Entity Contacts

Review of the Vista Data Base which identifies several Leaking Underground Storage Tank (LUST) sites within the general community of the subject site and evaluation of the relationship to the location of the subject site to the LUST sites, indicates that a majority of the listed LUST sites are either up or cross-gradient from the subject site. This would indicate that the subject site may be considered a moderate risk as a recipient of migratory contamination from any of the nearby impacted facilities. Although this claim is substantiated by regional groundwater flow data, for purposes of validation, several contacts were made to locate past records and information, and to determine the current status of the closest active impacted sites shown on the hazardous waste materials site lists described above. Selected regulatory files were reviewed and are discussed below.

Site & Distance from subject site	UST Removed	Type of Contaminant	Site Investigation	Site Remedial Status	Closure
4244 Redwood, 037-miles, NE	UST removed 9-95	Gas, diesel	Complete 4-96	Remediation by excavation complete 5-96.	10-96
99 Monticello, 0.40- miles, E	UST removed 11-97	Diesel	No impact identified.		NA
1005 Northgate, 0.01- miles, N	UST removed 7-96	Waste Oil	Complete 3-97. Monitoring is ongoing.		
949 Del Presidio, 0.01- miles, N	Tanks installed 1983	Gas, diesel	Wells installed 5-98. Monitoring is ongoing.		
930 Del Presidio, 0.01- miles, N	1990	Gas, diesel	NA	Active groundwater remediation has been ongoing since 1992.	
4300 Redwood, 0.00-miles, NE	NA	Solvents	Complete 1983	Active groundwater remediation has been ongoing since 1984.	
950 Del Presidio, 0.01-miles, N	NA	Gas, diesel	Wells installed 1997. Monitoring is on-going.		
929 Del Presidio, 0.01-miles, N	UST removed 1991	Gas, diesel	Complete 1991	Remediation by excavation complete 5-91.	4-96

VI. AERIAL PHOTOGRAPH REVIEW

Aerial photographs taken in 1950, 1963, 1970, 1980, 1990, and 1996 were reviewed at Pacific Aerial Survey in Oakland, California. The following section summarizes the pertinent details of site and adjacent area activities as they appeared on these photographs.

1950, October 10, Photo ID #AV41-03-06

The subject site is undeveloped as is the surrounding community. The general vicinity is comprised primarily of agricultural fields and farm houses. The Old Redwood Hwy is the main thoroughfare in the area.

1963, July 9, Photo ID #AV550-03-14

The subject site is undeveloped as are the adjacent commercial sites. Residential development in the general vicinity is expanding, however sparse. No significant industrial development is identified.

1970, July 2, Photo ID #AV957-04-19

The subject site has been developed as a large complex and is modified slightly from it's current state. Del Presidio Ave. which currently dead ends at the mall parking lot extends through the lot and proceeds to the mall. The development in the area is still predominantly residential although commercial construction is visible. Residential and commercial development in the general community has increased at an accelerated rate. Several gas stations have been constructed on Del Presidio Ave. at the north side of the subject site. No other significant industrial development in the general vicinity is identified.

1980, July 17, Photo ID #AV1840-05-18, (1:12,000)

The subject site appears as it does today. Commercial and residential development in the general community is continuing to expand. All previously identified gas stations are intact and appear to be operational. No significant industrial development in the general vicinity is identified.

1990, March 15, Photo ID #AV3766-10-53, (1:12,000)

The subject site appears as it does today. All previously identified gas stations are intact and appear to be operational. No significant industrial development in the general vicinity is identified.

1996, March 15, Photo ID #KAV5132-112-12, (1:24,000)

The site and adjacent lots appear as they do today. The UNOCAL station located on the north side of the site is under renovation. The gas station located on the north side of Freitas Pkwy has been abandoned. No significant industrial development in the general vicinity is identified.

VII. CONCLUSIONS AND RECOMMENDATIONS

The summary and conclusions presented in this section are based on observations, field investigation descriptions, analytical results, and interpretations delineated and developed in the body of this report. The following are key conclusions for the site inspection activities performed:

The record search from local, state, and federal agencies revealed no indications of fuel or hazardous material spills, leaks, or disposal on the subject site.
Our site survey detected no visual or olfactory evidence of hazardous material/waste disposal to the surfaces of the subject site.
Review and evaluation of identified neighboring impacted sites indicates a potential risk, although minimal, of contaminant migration to the subject site.

Definitive conclusions regarding the subsurface conditions related to environmental concerns at the subject sites are beyond the scope of this project as no soil or water sampling was included in this scope of work.

RECOMMENDATIONS

The following recommendations are made based upon review and evaluation of the above-discussed conclusions:

As three up-gradient sites which are in close proximity to the subject site have been identified to have impact to the localized groundwater by petroleum hydrocarbons, consideration should be given to the collection of water samples to validate the water quality at the subject parcel.

VIII. REPORT LIMITATIONS

This report has been prepared for the exclusive use of Rite Aid Corporation and Tait & Associates, Inc. with specific application to the subject site in San Rafael, California. The use of this report, its contents, or any part of it, or its agents, other than the ones for whom this report is prepared, is herewith disallowed.

In part, these findings, conclusions, and recommendations are based on the best available information known or made available by regulators, other consultants, or other sources. Over time, the surficial evidence of some activities are obscured or obliterated entirely. It is possible that certain adverse conditions could exist at the sites which were not detected in this evaluation.

The services provided under this contract as described in this report include professional opinions and judgements based on data collected. These services have been performed according to generally accepted assessment practices. The opinions and conclusions contained in this report are typically based on information obtained from:

- 1. Observations and measurements by field staff
- 2. Contacts and discussions with regulatory agencies and others
- 3. Review of available hazardous substance or solid waste site lists
- 4. Opinions and judgements of our personnel based on available information.

The Client has retained FAI for the sole purpose of assisting the Client in evaluating the environmental liability associated with the project site. It is recognized and agreed that FAI has assumed responsibility only for performing this investigation and presenting this report and conclusions to the Client. The responsibility for making any further evaluation, disclosure, or report to any third party or for the taking of corrective, remedial, and/or mitigative action shall be solely that of the Client. The Client agrees to hold FAI harmless from any and all liability, damage, loss, cost, or expense, including attorney fees, in any way arising from the claim of any third party. FAI agrees not to make, except at the clients request, any report to any third party not legally required of it.

Respectfully Submitted, Faultline Associates, Inc.

David C. Solis, J.D., P.E.

Principal/Sr. Project Manager

Faultline Associates, Inc. San Rafael ESA

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Appendix A

Vista Site Assessment Plus Report July 9, 1998

PROPERTY	CLIENT
INFORMATION	INFORMATION
Project Name/Ref #: Not Provided RITE AID NORTHGATE DR AT LAS GALINAS AVE SAN RAFAEL, CA 94903 Cross Street: LAS GALINAS Latitude/Longitude: (38.008839, 122.544592)	DAVID C. SOLIS FAULTLINE ASSOCIATES-WALNUT CR 1630 N MAIN ST WALNUT CREEK, CA 94596

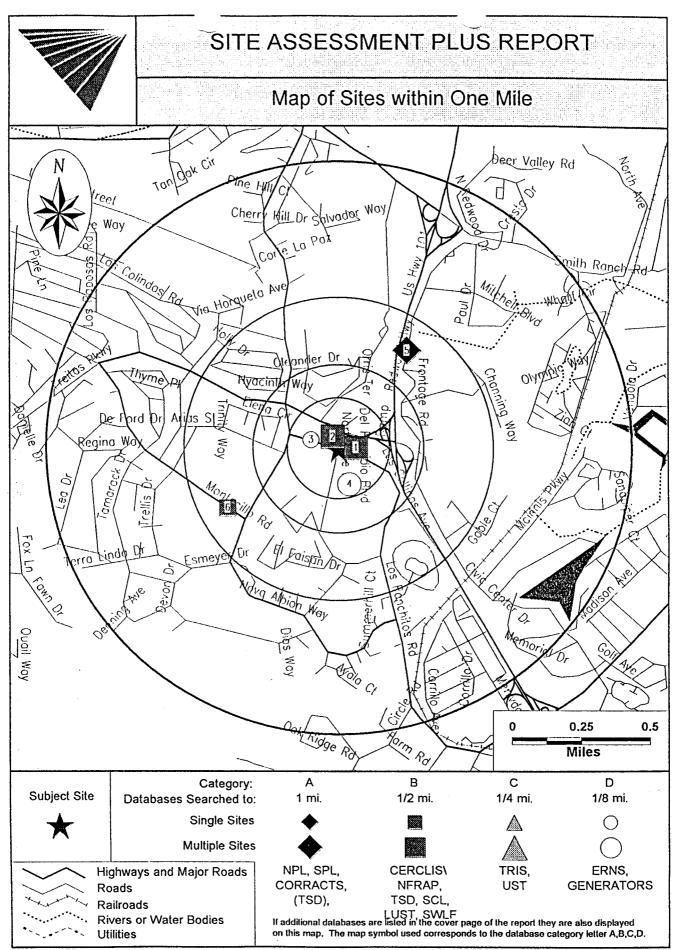
	Site Dist	ribution Summary	within 1/8 mile	1/8 to 1/4 mile	1/4 to 1/2 mile	1/2 to 1 mile
Agency / Da	tabase - Type	e of Records				
A) Database	s searched to	o 1 mile:				Page Plant a g
US EPA	NPL	National Priority List	0	0	0	0
US EPA	CORRACTS (TSD)	RCRA Corrective Actions and associated TSD	0	0	1	0
STATE	SPL	State equivalent priority list		0		o
B) Database	s searched to	o 1/2 mile:				
US EPA	CERCLIS / NFRAP	Sites currently or formerly under review by US EPA	0	0	1	_
US EPA	TSD	RCRA permitted treatment, storage, disposal facilities	0	0	0	_
STATE	SCL	State equivalent CERCLIS list	0	0		
STATE REG CO	LUST	Leaking Underground Storage Tanks	5	0	3	_
STATE/ REG/CO	SWLF	Permitted as solid waste landfills, incinerators, or transfer stations	0	0	0	
STATE	DEED RSTR	Sites with deed restrictions	0	0	0	-
REGIONAL	NORTH BAY	Sites on North Bay Toxic List	0	0	1	•
STATE	CORTESE	State index of properties with hazardous waste	4	0	1	•
STATE	TOXIC PITS	Toxic Pits cleanup facilities	0	0	0	-
C) Database	s searched to	o 1/4 mile:				T
US EPA	RCRA Viol	RCRA violations/enforcement actions	0	0	-	-
US EPA	TRIS	Toxic Release Inventory database	0	0		
STATE	UST/AST	Registered underground or aboveground storage tanks	5	0	-	-



			to the faithful control of the	I Serial desertini	oracio del gradición.	Hanna Aurikan	le en
	Site Di	istribution Su	mmarv	within 1/8	1/8 to	1/4 to	1/2 to
	VII.			mile	1/4 mile	1/2 mile	1 mile
Agency / D	atabase - Ty	pe of Records					
		d to 1/8 mile:			tribut der Name (2001)	ar et la rige je tër ti m	
-							
US EPA	ERNS	System of spills	ponse Notification	0	-		
US EPA	GNRTR	RCRA registered generators of ha	d small or large azardous waste	5	•	•	-
STATE	SPILLS	State spills list		0	-	•	-
A / \ indicat	!:-1				·		
A (-) Indicat	es a distance	e range not searched	d.				
LIMITATION C	F LIABILITY						
Customer pro	ceeds at its own	n risk in choosing to rel	y on VISTA services, in who	ole or in part, pric	or to proceed	ling with any	
use of data. V	ISTA and its aff	e an insurer of the accur	racy of the information, erro	ors occurring in c	onversion of	data, or for c	
accuracy, stor	age, delivery, lo	oss or expense suffered	l by customer resulting dire	ctly or indirectly	itractors can from any infe	not be neld if ormation prov	able for vided by
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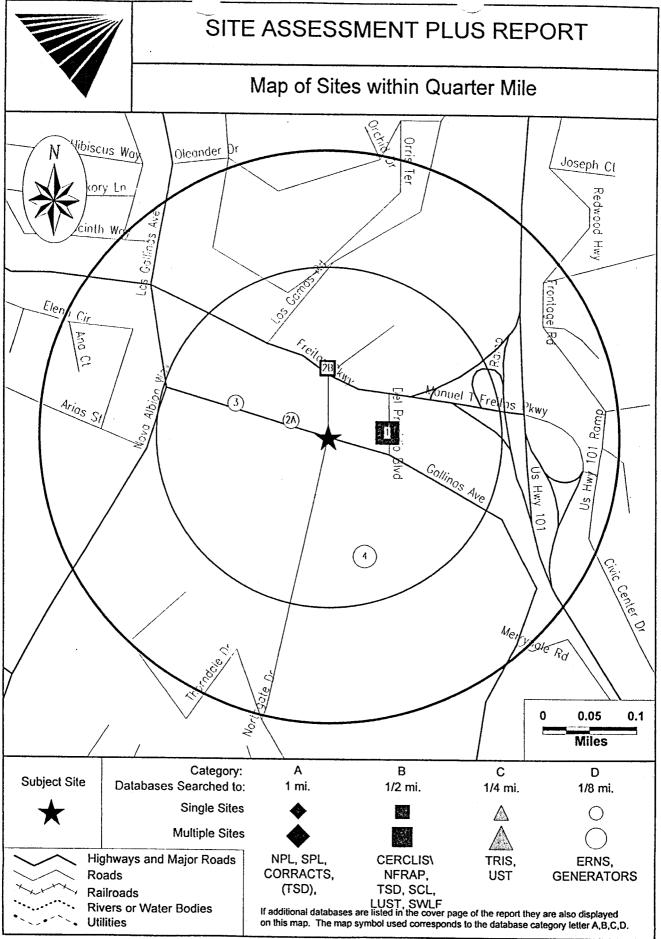
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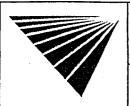
For More Information Call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403 Report ID: 214432001

Date of Report: July 9, 1998
Page #3

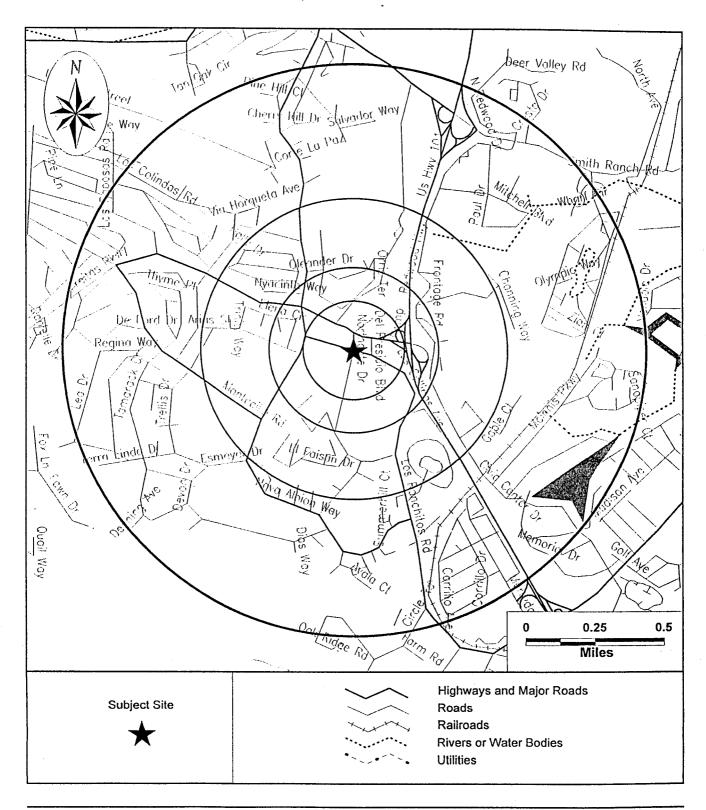


For More Information Call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403 Report ID: 214432001

Date of Report: July 9, 1998



Street Map



SITE INVENTORY

			11.5	Α	¥γ					В	j (198	K, a	1			С			D	
MAP ID	PROPERTY AND THE ADJACENT (within 1/8 mile)	VISTA ID DISTANCE DIRECTION	NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	SPILLS
1	UNION OIL SS# 4774 929 DEL PRESIDIO SAN RAFAEL, CA 94903	1253585 0.00 MI NA															х			
1	UNOCAL 929 DEL PRESIDIO BLVD SAN RAFAEL, CA 94903	5354072 0.00 MI NA											x							
1	UNOCAL 929 DEL PRESIDIO BLVD SAN RAFAEL, CA 94903	2745802 0.00 MI NA							х											
1	93553 CHEVRON 949 DEL PRESIDIO SAN RAFAEL, CA 94903	932624 <0.01 MI E							x				x				х			
1	EXXON SERVICE STATION 7-7067 930 DEL PRESIDIO SAN RAFAEL, CA 94903	1583911 0,01 MI E							x				x				x			
1	NORTHGATE SHELL 950 DEL PRESIDIO SAN RAFAEL, CA 94903	377355 0.01 MI E							x				х				x			
2A	PAUL D SATHER M D RADIOLOGY (750 LAS GALLINOS 101 SAN RAFAEL, CA 94903	OFFR798457 0.00 MI NA																	x	
2B	ARTS AUTO CARE 1005 NORTHGATE SAN RAFAEL, CA 94903	4036181 0.01 MI N							x								x			
3	PACIFÍC BELL 820 LAS GALLINAS AVE SAN RAFAEL, CA 94903	315567 0.05 MI W	1																x	
4	NORTHGATE MALL 5800 NORTHGATE MALL SAN RAFAEL, CA 94903	300623 0.07 MI S																	x	
4	EXPRESSLY PORTRAITS INC 5600 NORTHGATE MALL SAN RAFAEL, CA 94903	4062708 0.07 MI S	1																x	
4	PAYLESS 4372 1500 NORTHGATE MALL SAN RAFAEL, CA 94903	5356395 0.07 MI S	1																x	



	SITES IN THE SURROUNDING	ADEA	Α		Mari	, ag (B	В		<u> Miller</u>	. 4	С		D .
MAP	(within 1/8 - 1/4 mile)	VISTA ID DISTANCE DIRECTION	a lO	SPL SALEDAD		SCL	SWLF	DEED RSTR NORTH BAY	CORTESE		TRIS UST/AST	ERNS	PL
<u></u>	·	No Reco	rds Fo	ound									

E.S.	SITES IN THE SURROUNDING A	A DE A		Α						В		13				С		-	D	7
MAP ID	(within 1/4 - 1/2 mile)	VISTA ID DISTANCE DIRECTION	NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	! —	SPILLS
5	TESTA PLUMBING, INC 4244 REDWOOD SAN RAFAEL, CA 94903	3201517 0,37 MI NE							x								•			
5	FAIRCHILD CAMERA INSTRUMENT 4300 REDWOOD HWY SAN RAFAEL, CA 94903	147438 0.40 MI NE		х		х		х	х			X	х		•				•	
6	KAISER MEDICAL CENTER 99 MONTICELLO SAN RAFAEL, CA 94903	3199375 0.40 MI SW							х								•			

	SITES IN THE SUPPONDING AF)=A	14	Α			J.		В				-17	С		44.1	D	
MAP ID	SITES IN THE SURROUNDING AF (within 1/2 - 1 mile)	VISTA ID		RRACTS(TSD)	L DCI IS/NEDAD	2		ST		122 1	KIH BAY	CP	RA VIOL	S	<u> </u>	S)	2	ILLS
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		No Reco	rds	Fot	ınd	·							-					\exists



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DETAILS

PROPERTY AND THE ADJACENT AREA (within 1/8 mile)

	OIL SS# 4774			VISTA I		1253585
Address*: 929 DE	EL PRESIDIO			Distance	/Direction:	0.00 MI / NA
	AFAEL, CA 94903		**	Plotted a	is:	Point
STATE UST - State U	nderground Storage			EPA/Age	ency ID;	N/A
Agency Address:		SAME AS AE	BOVE			
Underground Tanks	: :	4				
Aboveground Tanks	s:	NOT REPOR	RTED			
Tanks Removed:		NOT REPOR	RTED			
Tank ID:	10		Tank Status	S :	ACTIVE/IN SE	RVICE
Tank Contents:	UNLEADED GAS		Leak Monite	oring:	UNKNOWN	
Tank Age:	NOT REPORTED		Tank Piping	j:	UNKNOWN	
Tank Size (Units):	4000 (GALLONS)		Tank Mater	ial:	BARE STEEL	
Tank ID:	2U		Tank Status	s:	ACTIVE/IN SE	RVICE
Tank Contents:	UNLEADED GAS		Leak Monit	oring:	UNKNOWN	
Tank Age:	NOT REPORTED		Tank Piping	j :	UNKNOWN	
Tank Size (Units):	5000 (GALLONS)		Tank Mater	ial:	BARE STEEL	
Tank ID:	3 <i>U</i>		Tank Status	s:	ACTIVE/IN SE	RVICE
Tank Contents:	UNLEADED GAS		Leak Monit	oring:	UNKNOWN	
Tank Age:	NOT REPORTED		Tank Piping	j :	UNKNOWN	
Tank Size (Units):	6000 (GALLONS)		Tank Mater	ial:	BARE STEEL	
Tank ID:	4U		Tank Status	s:	ACTIVE/IN SE	ERVICE
Tank Contents:	OIL(NOT SPECIFIED)		Leak Monit	oring:	UNKNOWN	
Tank Age:	NOT REPORTED		Tank Piping	g:	UNKNOWN	
Tank Size (Units):	280 (GALLONS)		Tank Mater	ial:	BARE STEEL	

VISTA	UNOCAL	VISTA ID#:	5354072
Address*:	929 DEL PRESIDIO BLVD	Distance/Direction:	0.00 MI / NA
*	SAN RAFAEL, CA 94903	Plotted as:	Point
CORTESE /	SRC# 2298	EPA/Agency ID:	N/A

Map ID

Map ID

Agency Address:

UNOCAL 929 DEL PRESIDIO BLVD SAN RAFAEL, CA

LEAKING TANK

List Name:

Site ID:

INV-ID21-000163



VISTA	UNOCAL			
Address*:	929 DEL DEEGIDIO DI		VISTA ID#:	2745802
	929 DEL PRESIDIO BL	งัก	Distance/Direction:	0.00 MI / NA
TATELLIST	SAN RAFAEL, CA 9490	JS	Plotted as:	Point
770	- State Leaking Undergrou	ind Storage Tank / SRC#	EPA/Agency ID:	N/A
Agency Add	iress:	UNOCAL 929 DEL PRESIDIO BLVD SAN RAFAEL, CA 94901		
Leak ID#:		21-0157		
Leak Date:		19910214		
Leak Report		19910214		
	n Start Date:	000001.)		
	ion Method:	TC		
Leak Cause	·	U		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Leak Source):	U		
Substance:		12035	110 10 10 10 10 10 10 10 10 10 10 10 10	-
Substance:		8006619		
Remediation		0		
Remediation	- · - · - - ·	EDGT		
Remediation	Status:	9		
Priority:		1C3		
Media Affect	ted:	0		
-unding:		F		
Description	- ·	ARCHIVED 11/1/96 CONTRO	DL NO 120-110	
)40 	- State Leaking Undergrou	nd Storage Tank / SRC#	EPA/Agency ID:	N/A
Agency Add	ress:	UNOCAL 929 DEL PRESIDIO BLVD SAN RAFAEL, CA 94901	I	L
_eak ID#:	· · · · · · · · · · · · · · · · · · ·	21-0157		
eak Report	Date:	19910214		
Substance:		WASTE OIL		77.0
Remediation		EDGT		
Remediation		CASE CLOSED		
ledia Affect	ed:	OTHER GROUND WATER		

OVISTA 93553 CHEVRON 949 DEL PRESIDIO SAN RAFAEL, CA 94903	VISTA ID#: 932624 Distance/Direction: 9000 MI / E Plotted as: Point	
STATE UST - State Underground Storage Tank / SRC# 1612	T Out	_
Agency Address:	EPA/Agency ID: N/A	

Map ID

Map ID

SAME AS ABOVE

Underground Tanks:

Aboveground Tanks:

NOT REPORTED

Tanks Removed:

NOT REPORTED

Tank ID:

Tank Contents:

UNKNOWN

10

Tank Status:

ACTIVE/IN SERVICE

Leak Monitoring:

UNKNOWN

Tank Age:

NOT REPORTED

Tank Piping:

UNKNOWN

Tank Size (Units):

10000 (GALLONS)

Tank Material:

OTHER DESCRIPTIONS



Tank ID:	2U	Tank	Status:	ACTIVE/IN S	SERVICE
Tank Contents:	UNKNOWN	Leak	Monitoring:	UNKNOWN	
Tank Age:	NOT REPORTED	Tank	Piping:	UNKNOWN	
Tank Size (Units):	10000 (GALLONS)	Tank	Material:	OTHER DES	SCRIPTIONS
Tank ID:	3U	Tank	Status:	ACTIVE/IN	SERVICE
Tank Contents:	UNKNOWN	Leak	Monitoring:	UNKNOWN	
Tank Age:	NOT REPORTED	Tank	Piping:	UNKNOWN	
Tank Size (Units):	10000 (GALLONS)	Tank	Material:	OTHER DES	SCRIPTIONS
CORTESE / SRC# 22	98		EPA/A	gency ID:	N/A
Agency Address:		CHEVRON 949 DEL PRESIDIO SAN RAFAEL, CA	BLVD		
List Name:		LEAKING TANK			
Site ID:		INV-ID21-000033			
4440	Leaking Undergroun	d Storage Tank / S	SRC# EPA/A	gency ID:	N/A
Agency Address:		CHEVRON 949 DEL PRESIDIO SAN RAFAEL, CA 9			
Leak ID#:		21-0166			
Leak Date:		19870817			
Leak Report Date:		19870817			
Remediation Start D	Date:	000001.)			
Leak Detection Met	hod:	TC			
Leak Cause:		F			
Leak Source:		τ			
Substance:		8006619			
Remediation Event:		Ö			
Remediation Event:		NA			
Remediation Status	•	0			
Media Affected:		U			
Funding:		F			
Description / Comm		DISPENSER FILTEI		PILLED, NOT A	UST CASE
4548	Leaking Undergroun	d Storage Tank / S	SRC# EPA/A	gency ID:	N/A
Agency Address:	•	CHEVRON 949 DEL PRESIDIO SAN RAFAEL, CA 9	BLVD 4901		
Leak ID#:		21-0166			
Leak Report Date:		19870817	- 18 - , , , , , , , , , , , , , , , , , ,	•	
Substance:		GASOLINE		· · · · · · · · · · · · · · · · · · ·	
Remediation Event:		NA			
Remediation Status	•	NO ACTION			
Media Affected:		UNDEFINED			······································



Map ID

1

VISTA	EXXON	XXON SERVICE STATION		N 7-7067		VISTA ID#:		1583911
		L PRESIDIO				Distance/Direction:		0.01 MI / E
	SAN RAFAEL, CA 94903					Plotted as:		Point
		derground Storage T			•	EPA/Age	ncy ID:	N/A
Agency Add	lress:		SAME AS A	BOVE				
Undergroun	d Tanks:		5					
Abovegrour	nd Tanks:		NOT REPO	RTED				
Tanks Remo	oved:		NOT REPO	RTED				
Tank ID:		10		Tank S	Status	 ::	ACTIVE/IN SI	ERVICE
Tank Conter	nts:	UNLEADED GAS		Leak N	Monito	oring:	UNKNOWN	
Tank Age:		NOT REPORTED		Tank F	Piping	j:	UNKNOWN	
Tank Size (L	Jnits):	12000 (GALLONS)		Tank I	Materi	al:	FIBERGLASS	5
Tank ID:		2U		Tank \$	Status		ACTIVE/IN SI	ERVICE
Tank Conte	nts:	LEADED GAS		Leak I	/lonite	oring:	UNKNOWN	
Tank Age:		NOT REPORTED		Tank F		-	UNKNOWN	
Tank Size (L	Jnits):	10000 (GALLONS)		Tank I			FIBERGLASS	5
Tank ID:		3Ü		Tank S	Status	s:	ACTIVE/IN SI	ERVICE
Tank Conte	nts:	DIESEL		Leak N	Monito	oring:	UNKNOWN	
Tank Age:		NOT REPORTED		Tank F	Piping	j:	UNKNOWN	
Tank Size (L	Jnits):	10000 (GALLONS)		Tank I	Vlateri	ial:	FIBERGLASS	5
Tank ID:		4U		Tank \$	Status	: :	ACTIVE/IN SI	ERVICE
Tank Conte	nts:	UNLEADED GAS		Leak I	Monito	oring:	UNKNOWN	
Tank Age:		NOT REPORTED		Tank I	Piping	j:	UNKNOWN	
Tank Size (L	Jnits):	8000 (GALLONS)		Tank i	Vlateri	ial:	FIBERGLASS	S
Tank ID:		5U		Tank S	Status	; :	ACTIVE/IN S	ERVICE
Tank Conte	nts:	OIL(NOT SPECIFIED)		Leak I	Monite	oring:	UNKNOWN	
Tank Age:		NOT REPORTED		Tank I	oiping ^o	j:	UNKNOWN	
Tank Size (l	Jnits):	1000 (GALLONS)		Tank I	Vlateri	ial:	FIBERGLASS	S
CORTESE / S	RC# 229	8				EPA/Age	ency ID:	N/A
Agency Add	iress:		EXXON 930 DEL PE	RESIDIO BI	מע			
			SAN RAFA	EL, CA				
List Name:			LEAKING T					
Site ID:			INV-ID21-0					
4440		eaking Underground		Γank / SF	RC#	EPA/Age	ency ID:	N/A
Agency Ado	iress:		EXXON 930 DEL PE SAN RAFAI				•	
Leak ID#:			21-0048					
Leak Date:			19880616					
Leak Report	t Date:		19880616					
Remediation	n Start Da	ate:	000001.)					
Leak Detect	ion Meth	od:	TC			·		
Leak Cause	:		U				* * * * * * * * * * * * * * * * * * * *	
Leak Source	e:		U					
Substance:			12036					
Substance:			12035		·			
Remediatio	n Event:		0				· · · · · · · · · · · · · · · · · · ·	
Remediatio	n Event:		GT		-,,,-	······································		



Remediation Status:	5C				
Media Affected:	0				
Funding:	F				
Description / Comment:	EXTRACTION TRENCHES II	N OPERATION.			
STATE LUST - State Leaking Unde 1548	erground Storage Tank / SRC#	EPA/Agency ID:	N/A		
Agency Address:	EXXON 930 DEL PRESIDIO BLVD SAN RAFAEL, CA 94901				
Leak ID#:	21-0048				
Leak Report Date:	19880616				
Substance:	MISC MOTOR VEHICLE FUE	ELS			
Remediation Event:	GT				
Remediation Status:	FURTHER SITE ASSESSMENT UNDERWAY				
Media Affected:	OTHER GROUND WATER				

	NORTHGATE SHELL	VISTA ID#:	377355
	950 DEL PRESIDIO	Distance/Direction:	0.01 MI/E
	SAN RAFAEL, CA 94903	Plotted as:	Point
STATE UST	- State Underground Storage Tank / SRC# 1612	EPA/Agency ID:	N/A

Map ID

NORTHGATE SHELL 950 DEL PRESIDIO Agency Address: SAN RAFAEL, CA 94901 **Underground Tanks: Aboveground Tanks:** NOT REPORTED Tanks Removed: NOT REPORTED Tank ID: Tank Status: ACTIVE/IN SERVICE **Tank Contents:** OIL(NOT SPECIFIED) Leak Monitoring: MONITOR PRESENT NOT REPORTED Tank Age: Tank Piping: UNKNOWN Tank Size (Units): 550 (GALLONS) BARE STEEL Tank Material: 2U Tank ID: Tank Status: ACTIVE/IN SERVICE **Tank Contents: UNLEADED GAS** MONITOR PRESENT Leak Monitoring: Tank Age: NOT REPORTED Tank Piping: **FIBERGLASS** Tank Size (Units): 10000 (GALLONS) **FIBERGLASS** Tank Material: Tank ID: 3U Tank Status: ACTIVE/IN SERVICE Tank Contents: LEADED GAS MONITOR PRESENT Leak Monitoring: NOT REPORTED Tank Age: Tank Piping: **FIBERGLASS** Tank Size (Units): 10000 (GALLONS) Tank Material: **FIBERGLASS** 4U Tank ID: ACTIVE/IN SERVICE Tank Status: Tank Contents: **UNLEADED GAS** MONITOR PRESENT Leak Monitoring: NOT REPORTED Tank Age: Tank Piping: **FIBERGLASS** Tank Size (Units): 10000 (GALLONS) **FIBERGLASS Tank Material:** CORTESE / SRC# 2298 EPA/Agency ID: N/A

Agency Address: SHELL.

950 DEL PRESIDIO BLVD

SAN RAFAEL, CA LEAKING TANK

List Name: Site ID: INV-ID21-000139



STATE LUST - State Leaking Underground 1440	i Storage Tank / SRC#	EPA/Agency ID:	N/A	
Agency Address:	SHELL 950 DEL PRESIDIO BLVD SAN RAFAEL, CA 94901			_
Leak ID#:	21-0133			
Leak Date:	19871105			
Leak Report Date:	19871211			
Remediation Start Date:	000001.)		· · · · · · · · · · · · · · · · · · ·	
Leak Detection Method:	TC		· · · · · · · · · · · · · · · · · · ·	_
Leak Cause:	F			_
Leak Source:	Τ			
Substance:	12035			_
Remediation Event:	0			
Remediation Event:	ED			_
Remediation Status:	38			_
Priority:	2A4			_
Media Affected:	0			_
Funding:	F			_
Description / Comment:	NFA PROPOSED		· · · · · · · · · · · · · · · · · · ·	_
TATE LUST - State Leaking Underground 548	Storage Tank / SRC#	EPA/Agency ID:	N/A	_
Agency Address:	SHELL 950 DEL PRESIDIO BLVD SAN RAFAEL, CA 94901	<u> </u>		
Leak ID#:	21-0133			
Leak Report Date:	19871211			-
Substance:	WASTE OIL			
Remediation Event:	ED			-
Remediation Status:	PRELIMINARY SITE ASSESSMENT UNDERWAY			
Media Affected:	OTHER GROUND WATER			-
VISTA PAUL D SATHER M D RA	DIOLOGY OFFICE	N. 10 11		
Address*: 750 LAS GALLINOS 101	DIOLOGY OFFICE	VISTA ID#:	3198457	Мар
SAN RAFAEL, CA 94903		Distance/Direction:	0.00 MI / NA Point	- 2 <i>i</i>
CRA-SmGen - RCRA-Small Generator / SF	RC# 4467	EPA ID:	CAD983624941	_
Agency Address:	PAUL O SATHER RADIOLOG 750 LAS GALLINAS NO 101 SAN RAFAEL, CA 94903		CMD303024341	1
Generator Class:	Generales 100 kg./month but li	ess than 1000 kg./month of	non-acutely hazardous	

Address*:	ARTS AUTO CARE 1005 NORTHGATE SAN RAFAEL, CA 94903	VISTA ID#: Distance/Direction:	4036181 0.01 MI / N
	- State Underground Storage Tank / SRC# 1612	Plotted as: EPA/Agency ID:	Point N/A
Agency Add	iress: SAME AS ABOVE	Li rangelity ID.	TIMA

Map ID **2B**



Underground Tanks: Aboveground Tanks:

Tanks Removed:

NOT REPORTED

NOT REPORTED

Tank ID:	10		Tank Status	s:	ACTIVE/IN S	ERVICE
Tank Contents:	UNLEADED GAS		Leak Monite	oring:	UNKNOWN	
Tank Age:	NOT REPORTED		Tank Piping	g:	UNKNOWN	
Tank Size (Units):	6000 (GALLONS)		Tank Mater	-	BARE STEEL	-
Tank ID:	2U		Tank Status	s:	ACTIVE/IN S	ERVICE
Tank Contents:	LEADED GAS		Leak Monite	oring:	UNKNOWN	
Tank Age:	NOT REPORTED		Tank Piping	-	UNKNOWN	
Tank Size (Units):	6000 (GALLONS)		Tank Mater		BARE STEEL	
Tank ID:	3U	***************************************	Tank Status	s:	ACTIVE/IN S	ERVICE
Tank Contents:	UNLEADED GAS		Leak Monite	oring:	UNKNOWN	
Tank Age:	NOT REPORTED		Tank Piping	j :	UNKNOWN	
Tank Size (Units):	6000 (GALLONS)		Tank Materi	-	BARE STEEL	•
Tank ID:	4U	***************************************	Tank Status	s:	ACTIVE/IN S	ERVICE
Tank Contents:	UNLEADED GAS		Leak Monito	oring:	MONITOR PI	RESENT
Tank Age:	NOT REPORTED		Tank Piping	•	UNKNOWN	
Tank Size (Units):	6000 (GALLONS)		Tank Materi		BARE STEEL	
Tank ID:	5U		Tank Status	s:	ACTIVE/IN S	ERVICE
Tank Contents:	OIL(NOT SPECIFIED)		Leak Monite	oring:	UNKNOWN	
Tank Age:	NOT REPORTED		Tank Piping	j:	UNKNOWN	
Tank Size (Units):	550 (GALLONS)		Tank Materi	ial:	BARE STEEL	
STATE LUST - State	Leaking Underground	d Storage Ta	ank / SRC#	EPA/Age	ency ID:	N/A
Agency Address:	4.00	ART'S AUTO 1005 NORTH SAN RAFAE	IGATE DR	L		
Leak ID#:		21-0275				
Leak Date:		19891117				
Leak Report Date:		19930126				
Remediation Start D		000001.)				
Leak Detection Meti	nod:	TC				
Leak Cause:		U				
Leak Source:		U				
Substance:		12031				
Remediation Event:		0				
Remediation Event:		NT				
Remediation Status	•	1				
Priority:		2A4				
Media Affected:		0	· · · · · · · · · · · · · · · · · · ·			
Funding:		F	00.05			
Description / Comm			RS REMOVAL O			
4548	Leaking Underground	d Storage Ta	ank / SRC#	EPA/Age	ency ID:	N/A
Agency Address:		ART'S AUTO 1005 NORTH SAN RAFAE	IGATE DR			_1
Leak ID#:		21-0275				
Leak Report Date:		19930126				
Substance:		UNLEADED	GASOLINE	**************************************	 ·	
Remediation Event:		NT				
Remediation Status	•	LEAK IS SUS	SPECTED AT SIG	HT, BUT NO	OT CONF	



PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT. Media Affected: OTHER GROUND WATER VISTA **PACIFIC BELL** VISTA ID#: 315567 Address*: 820 LAS GALLINAS AVE Map ID Distance/Direction: 0.05 MI / W SAN RAFAEL, CA 94903 Plotted as: 3 Point RCRA-LgGen - RCRA-Large Generator / SRC# 4467 EPA ID: CAT080015779 PACIFIC BELL 820 LAS GALLINAS AVENUE SAN RAFAEL, CA 94903 Agency Address: **Generator Class:** Generales at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste). VISTA NORTHGATE MALL VISTA ID#: 300623 Address*: Map ID 5800 NORTHGATE MALI Distance/Direction: 0.07 MI/S SAN RAFAEL, CA 94903 Plotted as: 4 Point RCRA-SmGen - RCRA-Small Generator / SRC# 4467 EPA ID: CAD981422736 Agency Address: NORTHGATE MALL 5800 NORTHGATE MALL SAN RAFAEL, CA 94901 **Generator Class:** Generales 100 kg./month but less than 1000 kg./month of non-acutely hazardous **VISTA** EXPRESSLY PORTRAITS INC VISTA ID#: 4062708 Map ID Address*: 5600 NORTHGATE MALL Distance/Direction: 0.07 MI/S SAN RAFAEL, CA 94903 Plotted as: Point RCRA-SmGen - RCRA-Small Generator / SRC# 4467 EPA ID: CAD983667429 Agency Address: EXPRESSLY PORTRAITS INC 5600 NORTHGATE MALL SAN RAPHAEL, CA 94903 **Generator Class:** Generales 100 kg./month but less than 1000 kg./month of non-acutely hazardous VISTA PAYLESS 4372 VISTA ID#: 5356395 Map ID Address*: 1500 NORTHGATE MALL Distance/Direction: 0.07 MI/S SAN RAFAEL, CA 94903 Plotted as: 4 Point RCRA-SmGen - RCRA-Small Generator / SRC# 4467 EPA ID: CA0001007533 Agency Address: RITE AID NO 5958 1500 NORTHGATE MALL SAN RAFAEL, CA 94903 **Generator Class:** Generales 100 kg./month but less than 1000 kg./month of non-acutely hazardous

	SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)
	No Records Found



VISTA	TESTA PLUMBING, INC		VISTA ID#:	3201517	Map II
Address*:	4244 REDWOOD		Distance/Direction:	0.37 MI / NE	-
:	SAN RAFAEL, CA 94903	•	Plotted as:	Point	- ∥ 5
TATE LUST 440	Г - State Leaking Underground	Storage Tank / SRC#	EPA/Agency ID:	N/A	
Agency Ad	dress:	TESTA PLUMBING 4244 REDWOOD HWY SAN RAFAEL, CA 94903	·		
Leak ID#:		21-0312			
Leak Date:		19950926			
Leak Repor	t Date:	19950926			
Leak Detect	tion Method:	TC			_
eak Cause	:	U			-
eak Sourc	e:	U			
Substance:		8006619			.
Remediatio	n Event:	0			-
Remediatio		EDGT			_
Remediatio	n Status:	9			
riority:		1C1			-
ledia Affec	ted:	0			_
Description	/ Comment:	ARCHIVED 11/1/96 CONTRO	DL NO 120-096		_
TATE LUST 548	- State Leaking Underground	Storage Tank / SRC#	EPA/Agency ID:	N/A	
Agency Add	iress:	TESTA PLUMBING 4244 REDWOOD HWY SAN RAFAEL, CA 94903			
Leak ID#:		21-0312			İ
eak Repor	t Date:	19950926			 .
Substance:		GASOLINE			-
Remediation	n Event:	EDGT			
Remediatio	n Status:	CASE CLOSED			_
Media Affec	ted:	OTHER GROUND WATER			7
ISTA ddress*:	FAIRCHILD CAMERA INS	STRUMENT	VISTA ID#:	147438	Map II
TOUICOS .	4300 REDWOOD HWY		Distance/Direction:	0.40 MI / NE	
ORTESE / S	SAN RAFAEL, CA 94903		Plotted as:	Point	5
gency Add		FAIRCHILD SEMICONDUCTO	EPA/Agency ID: OR	N/A	
int Name		SAN RAFAEL, CA 949030000)		
ist Name:		LEAKING TANK			
ite ID:	20110 / 020 // 0 / 0 / 0	INV-ID21-000530			
egional CEI gency Add	RCLIS / SRC# 2462	SAME AS ADOUG	EPA ID:	CAD009144619	
	ility Description:	SAME AS ABOVE			
EW CERCLIS	SITE		· · · · · · · · · · · · · · · · · · ·		_
ATE LUST 40	- State Leaking Underground	Storage Tank / SRC#	EPA/Agency ID:	N/A	
gency Add	lress:	FAIRCHILD SEMICONDUCTO 4300 REDWOOD RD SAN RAFAEL, CA 94901	OR	1	
eak Date:		19820601			



Leak Report Date:

Remediation Start Date:

Leak Date:

19820601

19820601

000001.)

Leak Cause: F	Leak Detection Me	thod:	TC			
Leak Source: T				· · · · · · · · · · · · · · · · · · ·		
Substance: 78016 Remediation Event: 0 Remediation Event: GT Remediation Status: 7 Media Affected: O Funding: F Description / Comment: StL NFRAP / SRC# 4466 Agency Address: SAME AS ABOVE EPA Region: 9 Congressional District: 6 Federal Facility: NOT A FEDERAL FACILITY Facility Ownership: PRIVATE Facility Ownership: NOT ON INCLUDED ON THE DOCKET NPL Status: NOT ON NPL Incident Type: Unknown Proposed NPL Update #: 0 Final NPL Update #: 0 F			·			
Remediation Event: GT Remediation Status: GT Remediation Status: 7 Media Affected: O Funding: F Description / Comment: SLL NFRAP / SRC# 4466 Agency Address: SAME AS ABOVE EPA Region: 9 Congressional District: 6 Federal Facility: NOT A FEDERAL FACILITY Facility Ownership: PRIVATE Site Incident Category: unknown Federal Facility Docket: SITE IS NOT INCLUDED ON THE DOCKET NPL Status: NOT ON NPL Incident Type: Unknown Proposed NPL Update #: 0 Final NPL Update #: 0 Final NPL Update #: 0 Final NPL Update #: 0 Financial Management System ID: NOT REPORTED Latitude: 12232300 Lat/Long Source: GENERATED BY THE GEOGRAPH DATABASE Lat/Long Accuracy: Unknown USGS Hydro Unit: 18050002 RCRA Indicator: ENVIRONMENTAL PRIORITY INITIATIVE USGS Hydro Unit: 18050002 USGS Hydro Unit: 18050002 RCRA Indicator: ENVIRONMENTAL PRIORITY INITIATIVE UNIT Ide: 0 Unit Ide: 0 Unit Name: DISCOVERY Actual Start Date: NOT REPORTED UNknown Name: DISCOVERY Actual Start Date: NOT REPORTED UNknown Name: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED Category: Unknown Plan Status: Unknown Actual Completion Date: Unknown Actual Completion Date: Unknown Actual Start Date: NOT REPORTED UNKNOWN Name: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED UNKNOWN PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED UNKNOWN Abeus: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED UNKNOWN Abeus: Unknown Actual Completion UNKNOWN Actual Start Date: NOT REPORTED UNKNOWN Actual Start Date: NOT REPORTED UNKNOWN Actual Start Date: NOT REPORTED UNKNOWN	Substance:					
Remediation Event: GT Remediation Status: 7 Remediation Status: 7 Media Affected: 0 Funding: F Description / Comment: StL NFRAP / SRC# 4466 Agency Address: SAME AS ABOVE EPA Region: 9 Congressional District: 6 Federal Facility: NOT A FEDERAL FACILITY Facility Ownership: PRIVATE Site Incident Category: unknown Federal Facility Docket: SITE IS NOT INCLUDED ON THE DOCKET NPL Status: NOT ON NPL Incident Type: Unknown Incident Type: Unknown Proposed NPL Update #: 0 Final NPL Update #: 12323300 Latitude: 12323300 Latitude: 12323300 Latitude: 12323300 Latitude: 12323300 Latitude: 12323300 Longitude: 1012000000 Latitude: 1010000000000000000000000000000000000	Remediation Event	•				
Remediation Status: 7 Media Affected: 0 Funding: F Description / Comment: SLL NFRAP / SRC# 4466 Agency Address: SAME AS ABOVE EPA Region: 9 Congressional District: 6 Federal Facility: NOT A FEDERAL FACILITY Facility Ownership: PRIVATE Site Incident Category: unknown Federal Facility Docket: SITE IS NOT INCLUDED ON THE DOCKET NPL Status: NOT ON NPL Incident Type: Unknown Proposed NPL Update #: 0 Final NPL Update #: 0 Final NPL Update #: 0 Financial Management System ID: NOT REPORTED Latitude: 3800420 Latitude: 1223300 Lat/Long Source: GENERATED BY THE GEOGRAPH DATABASE Lat/Long Accuracy: Unknown Dioxin Tier: Unknown Dioxin Tier: Unknown DIOXIN Tier: Unknown UNKNOWN CAtegory: Unknown Unit Id: 0 ENTIRE SITE Type: DISCOVERY Qualifier: UNKNOWN Name: DISCOVERY Plan Status: Unknown NoT REPORTED Lead Agency: EPA FUND-FINANCED Date: OR NRC Actual Start Date: NOT REPORTED Actual Completion Date: Unknown NOT REPORTED Actual Completion UNKNOWN Category: Unknown NOT REPORTED Actual Completion UNKNOWN NOT REPORTED Actual Start Date: NOT REPORTED Actual Start Date: NOT REPORTED Actual Start Date: NOT REPORTED Actual Completion UNKNOWN NOTE PRELIMINARY ASSESSMENT Actual Start Date: NOT REPORTED						
Media Affected:	L	- -				
Funding: F Description / Comment: SLL NFRAP / SRC# 4466 Agency Address: SAME AS ABOVE EPA ID: CAD009144619 Agency Address: SAME AS ABOVE EPA Region: 9 Congressional District: 6 Federal Facility: NOT A FEDERAL FACILITY Facility Ownership: PRIVATE Site Incident Category: unknown Federal Facility Docket: SITE IS NOT INCLUDED ON THE DOCKET NOT ON NPL Incident Type: Unknown Proposed NPL Update #: 0 Final NPL Update #: 0 Final NPL Update #: 0 Final NPL Update #: 0 LaftLong Source: GENERATED BY THE GEOGRAPH DATABASE LaftLong Source: Unknown Dioxin Tier: Unknown Unknown Unknown Unit Id: 0 Unit Id: 0 Unit Id: 0 Unit Name: ENTIRE SITE Type: DISCOVERY Lead Agency: EPA FUND-FINANCED Qualifier: UNKNOWN Category: Unknown Date: Type: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED Category: Unknown Date: Type: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED Category: Unknown Dirknown Date: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED Category: Unknown Dirknown Date: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED Category: Unknown Actual Completion UNKNOWN Actual Start Date: NOT REPORTED Actual Completion Unknown Actual Start Date: NOT REPORTED						
Description / Comment: SIL	Funding:					
NFRAP / SRC# 4466 Agency Address: EPA Region: Congressional District: 6 Federal Facility: NOT A FEDERAL FACILITY Facility Ownership: Site Incident Category: Unknown Federal Facility Docket: NOT ON NPL Incident Type: Unknown Proposed NPL Update #: Final NPL Update #: Latitude: Latitud	Description / Comn	nent:	SLL			
Aguity Address: EPA Region: Congressional District: Federal Facility: Facility Ownership: Site Incident Category: Incident Type: Incident Type: Proposed NPL Update #: Final NPL Update #: Incident System ID: Incident	NFRAP / SRC# 4466				TEDA ID	
Congressional District: 6 Federal Facility: NOT A FEDERAL FACILITY Facility Ownership: PRIVATE Site Incident Category: unknown Federal Facility Docket: SITE IS NOT INCLUDED ON THE DOCKET NPL Status: NOT ON NPL Incident Type: Unknown Proposed NPL Update #: 0 Final NPL Update #: 0 Final NPL Update #: 0 Final NPL Update #: 12232300 Latitude: 12232300 Latit	Agency Address:	· · · · · · · · · · · · · · · · · · ·	SAME AS A	ABOVE	JEPA ID	CAD009144619
Federal Facility: Facility Ownership: Facility Ownership: Site Incident Category: Federal Facility Docket: NPL Status: Incident Type: Incident Type: Proposed NPL Update #: 0 Final NPL Update #: 0 Final NPL Update #: 0 Final NPL Update #: 12232300 Latitude: Latitude: Latitude: LatiV.ong Source: GENERATED BY THE GEOGRAPH DATABASE LatiV.ong Accuracy: Unknown USGS Hydro Unit: USGS Hydro Unit: H8050002 RCRA Indicator: Unit Id: Unit Id: Unit Name: Type: DISCOVERY Qualifier: UNKNOWN Ame: PISCOVERY Plan Status: Unknown DEFERRED TO RCRA (SUBTITLE C) Qualifier: NOT REPORTED Actual Completion UNKNOWN Actual Start Date: NOT REPORTED Unknown Unknown UNKNOWN Category: Unknown UNKNOWN Date: NOT REPORTED Unknown UNKNOWN Category: Unknown UNKNOWN Category: Unknown UNKNOWN Category: Unknown Date: NOT REPORTED UNKNOWN OR REPORTED UNKNOWN OR REPORTED UNKNOWN Unknown Date: NOT REPORTED UNKNOWN OR REPORTED UNKNOWN Unknown UNKNOWN Unknown Date: NOT REPORTED UNKNOWN Unknown UNKNOWN OR REPORTED UNKNOWN OR REPORTED UNKNOWN Unknown UNKNOWN Unknown NOT REPORTED UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN NOT REPORTED UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN NOT REPORTED UNKNOWN NOT REPORTED UNKNOWN NOT REPORTED UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN NOT REPORTED UNKNOWN NOT REPORTED UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN NOT REPORTED UNKNOWN UNKNOWN UNKNOWN						
Facility Ownership: PRIVATE Site Incident Category: unknown Federal Facility Docket: SITE IS NOT INCLUDED ON THE DOCKET NPL Status: NOT ON NPL Incident Type: Unknown Proposed NPL Update #: 0 Final NPL Update #: 0 Final NPL Update #: 0 Financial Management System ID: NOT REPORTED Latitude: 3800420 Longitude: 12232300 Longitude: 12232300 Lat/Long Source: GENERATED BY THE GEOGRAPH DATABASE Lat/Long Accuracy: Unknown USGS Hydro Unit: 18050002 RCRA Indicator: ENVIRONMENTAL PRIORITY INITIATIVE Unit Id: 0 Unit Name: ENTIRE SITE Type: DISCOVERY Qualifier: UNKNOWN Category: Unknown Name: DISCOVERY Actual Start Date: NOT REPORTED Actual Completion UNKNOWN Type: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED Qualifier: DEFERRED TO RCRA (SUBTITLE C) Category: Unknown Name: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED Category: Unknown VINNOWN Type: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED Category: Unknown Name: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED Category: Unknown Norme: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED VINNOWN Name: PRELIMINARY ASSESSMENT Actual Start Date: NOT REPORTED	Congressional Dist	rict:	6			
Site Incident Category: Federal Facility Docket: NPL Status: NOT ON NPL Incident Type: Unknown Proposed NPL Update #: Prinal NPL Update #: Prinancial Management System ID: Latitude: Longitude: Longitude: Latitude: Latituong Source: Latituong Accuracy: Unknown Unknown USGS Hydro Unit: RCRA Indicator: Unit Id: Unit Name: Prope: Unit Name: Type: Qualifier: Unknown Name: DISCOVERY Lead Agency: Lead Agency: Lead Agency: Lead Agency: Longitude: NOT REPORTED Latitude: NOT REPORTED Latitude: Latit			NOT A FEE	ERAL FACILITY		
Federal Facility Docket: SITE IS NOT INCLUDED ON THE DOCKET NPL Status: NOT ON NPL Incident Type: Unknown Proposed NPL Update #: 0						
NPL Status: Incident Type: Unknown Proposed NPL Update #: 0 Final NPL Update #: 0 Financial Management System ID: NOT REPORTED Latitude: 12232300 Lat/Long Source: GENERATED BY THE GEOGRAPH DATABASE Lat/Long Accuracy: Unknown USGS Hydro Unit: 18050002 RCRA Indicator: Unknown USGS Hydro Unit: 18050002 RCRA Indicator: ENVIRONMENTAL PRIORITY INITIATIVE Unit Id: 0 Unit Name: FYPE: UNKNOWN Category: Unknown Name: DISCOVERY Actual Start Date: NOT REPORTED UNKNOWN Type: Plan Status: DEFERRED TO RCRA (SUBTITLE C) Category: Unknown Name: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED UNKNOWN Lead Agency: EPA FUND-FINANCED UNKNOWN UNKNOWN Lead Agency: UNKNOWN Lead Agency: EPA FUND-FINANCED UNKNOWN Lead Agency: EPA FUND-FINANCED UNKNOWN Lead Agency: UNKNOWN UNKNOWN Lead Agency: UNKNOWN Lead Agency: EPA FUND-FINANCED UNKNOWN UNKNOWN Lead Agency: Lead Ag						
NPIL Status: Incident Type: Unknown Proposed NPL Update #: 0 Final NPL Update #: 0 Financial Management System ID: NOT REPORTED Latitude: 12232300 Latitude: 12232300 Lat/Long Source: GENERATED BY THE GEOGRAPH DATABASE Lat/Long Accuracy: Unknown Unknown UsGS Hydro Unit: 18050002 RCRA Indicator: Unit Id: 0 Unit Id: 0 Unit Name: ENTIRE SITE Type: Qualifier: UNKNOWN Category: Unknown Name: DISCOVERY Actual Start Date: NOT REPORTED UNKNOWN Date: Type: Qualifier: Unknown Actual Completion Date: Type: Qualifier: Quellifier: Quellifie						
Proposed NPL Update #: 0 Final NPL Update #: 0 Financial Management System ID: NOT REPORTED Latitude: 3800420 Longitude: 12232300 Lat/Long Source: GENERATED BY THE GEOGRAPH DATABASE Lat/Long Accuracy: Unknown Dioxin Tier: Unknown USGS Hydro Unit: 18050002 RCRA Indicator: ENVIRONMENTAL PRIORITY INITIATIVE Unit Id: 0 Unit Name: ENTIRE SITE Type: DISCOVERY Lead Agency: EPA FUND-FINANCED Qualifier: UNKNOWN Category: Unknown Name: DISCOVERY Actual Start Date: NOT REPORTED Plan Status: Unknown Date: Type: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED QUALIFIER: DEFERRED TO RCRA (SUBTITLE C) Category: Unknown Name: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED QUalifier: Unknown Actual Completion UNKNOWN Date: Type: PRELIMINARY ASSESSMENT Lead Agency: EPA FUND-FINANCED QUALIFIER: Unknown Actual Start Date: NOT REPORTED NOT REPORTED NOT REPORTED NOT REPORTED Plan Status: Unknown Actual Completion UNKNOWN	1	NPL Status: NOT ON NPL				
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Plan Status: Unknown Actual Completion UNKNOWN	Name:		NT.	- •	Date:	NOT REPORTED
	Plan Status:			Actual Comp		UNKNOWN



CORRACTS / SRC# 4467		EPA ID:	CAD009144619
Agency Address:	SAME AS ABOVE		
Prioritization Status:	MEDIUM		
RCRA Facility Assessment Completed:	YES	•	
Notice of Contamination:	NO		
Determination of need For a RFI (RCRA Facility Investigation):	NO		
RFI Imposed:	NO		
RFI Workplan Notice of Deficiency Issued:	NO .		
RFI Workplan Approved:	NO		
RFI Report Received:	NO		
RFI Approved:	NO		
No Further Corrective Action at this Time:	NO		
Stabilization Mesaures Evaluation:	NO		
CMS (Corrective Measure Study)	NO		
CMS Workplan Approved:	NO		
CMS Report Received:	NO		
CMS Approved:	NO		
Date for Remedy Selection (CM Imposed):	NO		
Corrective Measures Design Approved:	NO		
Corrective Measures Investigation Workplan Approved:	NO		
Certification of Remedy Completion:	NO		
Stabilization Measures Implementation:	NO		
Stabilization Measures Completed:	NO		
Corrective Action Process Termination:	NO		
RCRA-TSD CORRACTS / SRC# 4467		EPA ID:	CAD009144619
Agency Address:	SAME AS ABOVE		10,1000111010
Off-Site Waste Received:	NO		
Land Disposal:	NO		
Incinerator:	NO		
Storage/Treatment:	YES		
SCL - State Equivalent CERCLIS List / SRC	C# 4543	Agency ID:	21360001
Agency Address:	FAIRCHILD DISCRETE 4300 REDWOOD HIGH SAN RAFAEL, CA 9490	DIVISION WAY	
Status:	UNKNOWN		
Facility Type:	NOT AVAILABLE		
Lead Agency:	UNKNOWN		
State Status:		RKPLAN SITE, REFERRED	TO RWOCB
Pollutant 1:	UNKNOWN	· · · · · · · · · · · · · · · · · · ·	
Pollutant 2:	UNKNOWN		
Pollutant 3:	UNKNOWN		
i onutant 3.			



STATE LUST - State Leaking Undergr 4548	ound Storage Tank / SRC#	EPA/Agency ID:	N/A
Agency Address:	FAIRCHILD SEMICONDUCT	OP.	
	4300 REDWOOD RD	OK	
Look Donast Dut.	SAN RAFAEL, CA 94901 -		
Leak Report Date:	19820601		
Substance:	TCE		
Remediation Event:	GT		
Remediation Status:	REMEDIAL ACTION UNDER	WAY	
Media Affected:	OTHER GROUND WATER		
STATE LUST - State Leaking Undergro 1579	ound Storage Tank / SRC#	EPA/Agency ID:	N/A
Agency Address:	FAIRCHILD SEMICONDUCTO	OR CORP	
	4300 REDWOOD RD	511 00/11	
Facility ID:	SAN RAFAEL, CA 94901		
	21S0001		
Leak Report Date:	19920909		
Contamination Confirmed Date:	000003.*		
Leak Source:	SPILLS		
Wells Impacted:	0		
Remediation Status:	INACTIVE		
Priority:	N		
Media Affected:	NO		
Lead Agency Contact:	RWQCB		
Agency Contact:	JMJ		
Description / Comment:	MANUFACTURED ELECTRO	NIC CIDCUITS	

VISTA Address*: 99 MONTICELLO SAN RAFAEL, CA 94 STATE LUST - State Leaking Underg	1903	VISTA ID#: Distance/Direction: Plotted as: EPA/Agency ID:	3199375 0.40 MI / SW Point N/A
Agency Address:	KAISER MEDICAL CENTER 99 MONTECILLO RD		
Lock ID#	SAN RAFAEL, CA 94901		

Map ID 6

Agency Address:	KAISER MEDICAL CENTER
	99 MONTECILLO RD
Leak ID#:	SAN RAFAEL, CA 94901 21-0199
Leak Date:	19930617
Leak Report Date:	19930618
Remediation Start Date:	000001.)
Leak Detection Method:	SM
Leak Cause:	U
Leak Source:	U
Substance:	12034
Remediation Event:	Ö
Remediation Event:	NT
Remediation Status:	1
Priority:	2A4
Media Affected:	0
Funding:	F
Description / Comment:	DISCHARGE HAS NOT YET BEEN STOPPED - 7/26/63 WRKPLN FOR SITE INVESTIGATION



STATE LUST - State Leaking Und 4548	derground Storage Tank / SRC#	EPA/Agency ID:	N/A
Agency Address:	KAISER MEDICAL CENTER 99 MONTECILLO RD SAN RAFAEL, CA 94901 -		
Leak ID#:	21-0199		
Leak Report Date:	19930618		
Substance:	DIESEL		
Remediation Event:	NT		
Remediation Status:	LEAK IS SUSPECTED AT SI	LEAK IS SUSPECTED AT SIGHT, BUT NOT CONF	
Media Affected:	OTHER GROUND WATER		

SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile)	
No Records Found	·



UNMAPPED SITES

THE USE

VISTA CECCO			VISTA ID#:	6831390	
SAN RAFAEL, CA	AFAEL, CA				
STATE SWLF - Solid V	Vaste Landfill / SRC# 4705		Agency ID:	21-CR-0002	
Agency Address:	SAME	AS ABOVE	1. gonoj 10.	21-011-0002	
Facility Type:	SOLIE	WASTE DISPOSAL FA	CILITY		
Facility Status:	CLOS				
Permit Status:	UNDE	R REVIEW			



DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 1 MILE

NPL SRC#: 4584 VISTA conducts a database search to identify all sites within 1 mile of your property. The agency release date for NPL was April, 1998.

The National Priorities List (NPL) is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the US Dept of Health and Human Services and the US EPA in order to become an NPL site.

SPL SRC#: 4544 VISTA conducts a database search to identify all sites within 1 mile of your property.

The agency release date for Calsites Database: Annual Workplan Sites was January, 1998.

This database is provided by the Cal. Environmental Protection Agency, Dept. of Toxic Substances Control. The agency may be contacted at: 916-323-3400.

CORRACTS SRC#: 4467

VISTA conducts a database search to identify all sites within 1 mile of your property. The agency release date for HWDMS/RCRIS was February, 1998.

The EPA maintains this database of RCRA facilities which are undergoing "corrective action". A "corrective action order" is issued pursuant to RCRA Section 3008 (h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it predates RCRA.

B) DATABASES SEARCHED TO 1/2 MILE

CERCLIS SRC#: 4465 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for CERCLIS was February, 1998.

The CERCLIS List contains sites which are either proposed to or on the National Priorities List(NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL. The information on each site includes a history of all pre-remedial, remedial, removal and community relations activities or events at the site, financial funding information for the events, and unrestricted enforcement activities.

Cal Cerclis SRC#: 2462 VISTA conducts a database search to identify all sites within 1/2 mile of your property.

The agency release date for Ca Cerclis w/Regional Utility Description was June, 1995.

This database is provided by the U.S. Environmental Protection Agency, Region 9. The agency may be contacted at: . These are regional utility descriptions for California CERCLIS sites.

NFRAP SRC#: 4466 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for CERCLIS-NFRAP was February, 1998.

NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.



SCL SRC#: 4543 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Calsites Database: All Sites except Annual Workplan Sites (incl. ASPIS) was January, 1998.

This database is provided by the Department of Toxic Substances Control. The agency may be contacted at: .

The CalSites database includes both known and potential sites. Two-thirds of these sites have been classified, based on available information, as needing "No Further Action" (NFA) by the Department of Toxic Substances Control. The remaining sites are in various stages of review and remediation to determine if a problem exists at the site. Several hundred sites have been remediated and are considered certified. Some of these sites may be in long term operation and maintenance.

RCRA-TSD SRC#: 4467 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for HWDMS/RCRIS was February, 1998.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA TSDs are facilities which treat, store and/or dispose of hazardous waste.

SWLF SRC#: 4705 VISTA conducts a database search to identify all sites within 1/2 mile of your property.

The agency release date for Ca Solid Waste Information System (SWIS) was April, 1998.

This database is provided by the Integrated Waste Management Board. The agency may be contacted at: 916-255-4021.

The California Solid Waste Information System (SWIS) database consists of both open as well as closed and inactive solid waste disposal facilities and transfer stations pursuant to the Solid Waste Management and Resource Recovery Act of 1972, Government Code Section 2.66790(b). Generally, the California Integrated Waste Management Board learns of locations of disposal facilities through permit applications and from local enforcement agencies.

WMUDS SRC#: 3938

VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Waste Management Unit Database System (WMUDS) was May, 1997.

This database is provided by the State Water Resources Control Board. The agency may be contacted at: 916-892-0323. This is used for program tracking and inventory of waste management units. This system contains information from the following eight main databases: Facility, Waste Management Unit, SWAT Program Information, SWAT Report Summary Information, Chapter 15 (formerly Subchapter 15), TPCA Program Information, RCRA Program Information, Closure Information; also some information from the WDS (Waste Discharge System). This database con

The WMUDS system also accesses information from the following databases from the Waste Discharger System (WDS): Inspections, Violations, and Enforcements. The sites contained in these databases are subject to the California Code of Regulations - Title 23. Waters.

LUST SRC#: 4548 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Lust Information System (LUSTIS) was February, 1998.

This database is provided by the California Environmental Protection Agency. The agency may be contacted at: 916-445-6532.

LUST SRC#: 4579 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Region #2-North and South Bay SLIC Report was January, 1998.

This database is provided by the Regional Water Quality Control Board, Region #2. The agency may be contacted at: 510-286-0838.



LUST RG2 SRC#: 4440 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Region #2-San Francisco Bay Fuel Leaks List was December, 1997.

This database is provided by the Regional Water Quality Control Board, Region #2. The agency may be contacted at: 510-286-0838.

CORTESE SRC#: 2298 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Cortese List-Hazardous Waste Substance Site List was February, 1995.

This database is provided by the Office of Environmental Protection, Office of Hazardous Materials. The agency may be contacted at: 916-445-6532.

The California Governor's Office of Planning and Research annually publishes a listing of potential and confirmed hazardous waste sites throughout the State of California under Government Code Section 65962.5. This database (CORTESE) is based on input from the following: (1)CALSITES-Department of Toxic Substances Control, Abandoned Sites Program Information Systems; (2)SARA Title III Section III Toxic Chemicals Release Inventory for 1987, 1988, 1989, and 1990; (3)FINDS; (4)HWIS-Department of Toxic Substances Control, Hazardous Waste Information System. Vista has not included one time generator facilities from Cortese in our database.; (5)SWRCB-State Water Resources Control Board; (6)SWIS-Integrated Waste Management Control Board (solid waste facilities); (7)AGT25-Air Resources Board, dischargers of greater than 25 tons of criteria pollutants to the air; (8)A1025-Air Resources Board, dischargers of greater than 10 and less than 25 tons of criteria pollutants to the air; (9)LTANK-SWRCB Leaking Underground Storage Tanks; (10)UTANK-SWRCB Underground tanks reported to the SWEEPS systems; (11)IUR-Inventory Update Rule (Chemical Manufacturers); (12)WB-LF- Waste Board - Leaking Facility, site has known migration; (13)WDSE-Waste Discharge System - Enforcement Action; (14)DTSCD-Department of Toxic Substance Control Docket.

Deed Restrictions SRC#: 1703 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Deed Restriction Properties Report was April, 1994.

This database is provided by the Department of Health Services-Land Use and Air Assessment. The agency may be contacted at: 916-323-3376. These are voluntary deed restriction agreements with owners of property who propose building residences, schools, hospitals, or day care centers on property that is "on or within 2,000 feet of a significant disposal of hazardous waste".

California has a statutory and administrative procedure under which the California Department of Health Services (DHS) may designate real property as either a "Hazardous Waste Property" or a "Border Zone Property" pursuant to California Health—Safety Code Sections 25220-25241. Hazardous Waste Property is land at which hazardous waste has been deposited, creating a significant existing or potential hazard to public health and safety. A Border Zone Property is one within 2,000 feet of a hazardous waste deposit. Property within either category is restricted in use, unless a written variance is obtained from DHS. A Hazardous Waste Property designation results in a prohibition of new uses, other than a modification or expansion of an industrial or manufacturing facility on land previously owned by the facility prior to January 1, 1981. A Border Zone Property designation results in prohibition of a variety of uses involving human—habitation, hospitals, schools and day care center.

Toxic Pits SRC#: 2229

VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Summary of Toxic Pits Cleanup Facilities was February, 1995.

This database is provided by the Water Quality Control Board, Division of Loans Grants. The agency may be contacted at: 916-227-4396.



North Bay SRC#: 1718 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for North Bay County Toxic List-Region #2 Surface Spills was April, 1994.

This database is provided by the Regional Water Quality Control Board, Region #2. The agency may be contacted at:

C) DATABASES SEARCHED TO 1/4 MILE

RCRA-Viols/Enf VISTA conducts a database search to identify all sites within 1/4 mile of your property.

The agency release date for HWDMS/RCRIS was February, 1998.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Violators are facilities which have been cited for RCRA Violations at least once since 1980. RCRA Enforcements are enforcement actions taken against RCRA violators.

UST's SRC#: 1612 VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for Underground Storage Tank Registrations Database was January, 1994.

This database is provided by the State Water Resources Control Board, Office of Underground Storage Tanks. The agency may be contacted at: 916-227-4337; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.

AST's SRC#: 4320 VISTA conducts a database search to identify all sites within 1/4 mile of your property.

The agency release date for Aboveground Storage Tank Database was December, 1997.

This database is provided by the State Water Resources Control Board. The agency may be contacted at: 916-227-4364.

TRIS SRC#: 3716 VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for TRIS was December, 1996.

Section 313 of the Emergency Planning and Community Right-to-Know Act (also known as SARA Title III) of 1986 requires the EPA to establish an inventory of Toxic Chemicals emissions from certain facilities (Toxic Release Inventory System). Facilities subject to this reporting are required to complete a Toxic Chemical Release Form(Form R) for specified chemicals.

D) DATABASES SEARCHED TO 1/8 MILE

ERNS SRC#: 4583 VISTA conducts a database search to identify all sites within 1/8 mile of your property. The agency release date for was January, 1998.

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of transportation. A search of the database records for the period October 1986 through January 1998 revealed information regarding reported spills of oil or hazardous substances in the stated area.



RCRA-LgGen SRC#: 4467 VISTA conducts a database search to identify all sites within 1/8 mile of your property. The agency release date for HWDMS/RCRIS was February, 1998.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Large Generators are facilities which generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRA-SmGen SRC#: 4467 VISTA conducts a database search to identify all sites within 1/8 mile of your property. The agency release date for HWDMS/RCRIS was February, 1998.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Small and Very Small generators are facilities which generate less than 1000 kg./month of non-acutely hazardous waste.

SPILL SRC#: 161

VISTA conducts a database search to identify all sites within 1/8 mile of your property. The agency release date for California Hazardous Materials Incident Report was December, 1990.

This database is provided by the Office of Emergency Services. The agency may be contacted at: .

SPILL SRC#: 4642 VISTA conducts a database search to identify all sites within 1/8 mile of your property.

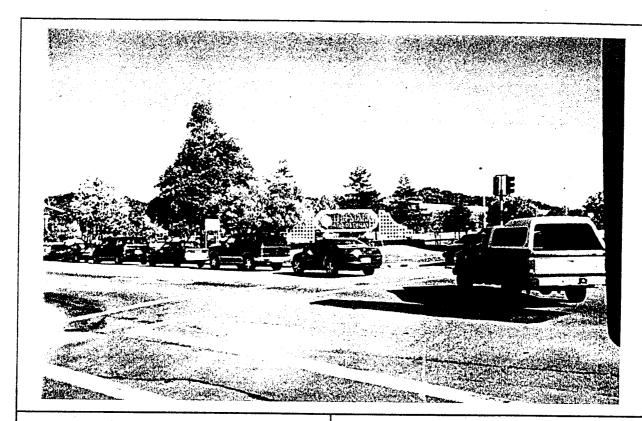
The agency release date for Region #1-Active Toxic Site Investigations-Spills was March, 1998.

This database is provided by the Regional Water Quality Control Board, Region #1 (North Coast Region). The agency may be contacted at: 707-576-2220.

End of Report



Appendix B Photograph Log

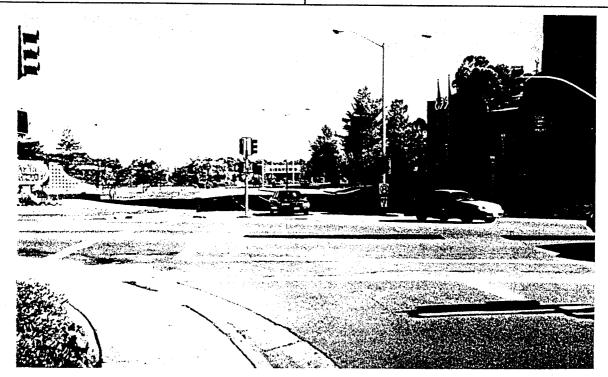


PROJECT#: SF075-050

COMMENTS: Front of site looking south. Northgate Mall is in background. Intersection of Las Galinas and Northgate is in foreground.

DATE: July 18, 1998

PHOTO #: 1

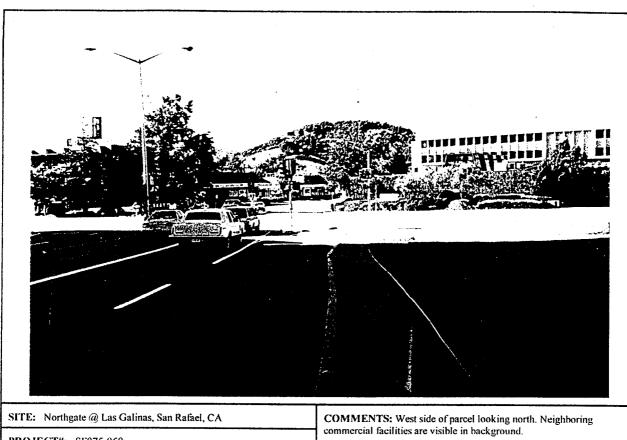


SITE: Northgate @ Las Galinas, San Rafael, CA

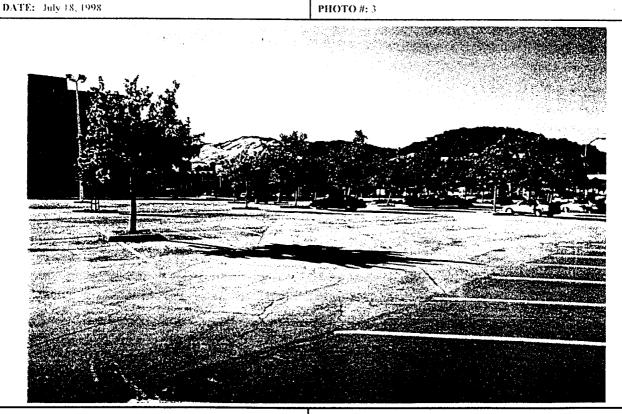
PROJECT#: SF075-050

DATE: July 18, 1998

COMMENTS: Front of site looking at west side of parcel. Northgate Mall is in background. Intersection of Northgate and Las Galinas is in foreground. Neighboring office building is on right side of photo.



PROJECT#: SF075-050

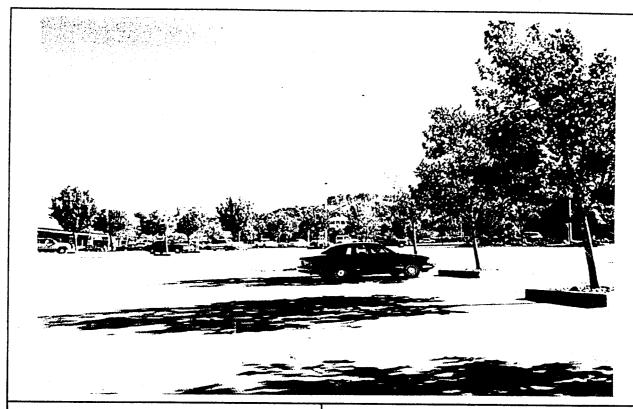


SITE: Northgate @ Las Galinas, San Rafael, CA

PROJECT#: SF075-050

DATE: July 18, 1998

COMMENTS: Standing on the subject site looking northwest. Local foothills are in background.



PROJECT#: SF075-050

DATE: July 18, 1998

COMMENTS: Standing on the subject site looking south. Northgate Mall is in background.

PHOTO #: 5

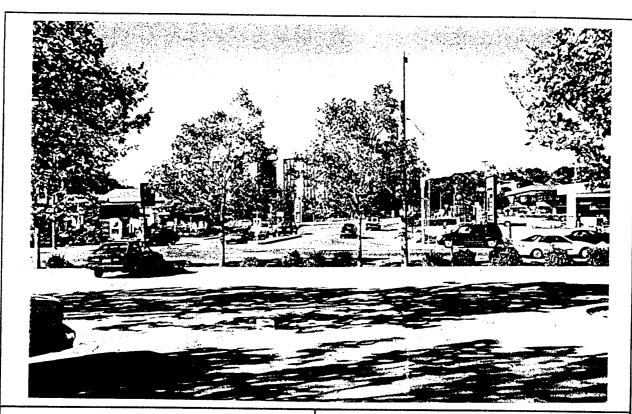


SITE: Northgate @ Las Galinas, San Rafael, CA

PROJECT#: SF075-050

DATE: July 18, 1998

COMMENTS: Standing on-site looking southeast. Northgate Mall is in background on right. Local foothills are visible in background on the left.

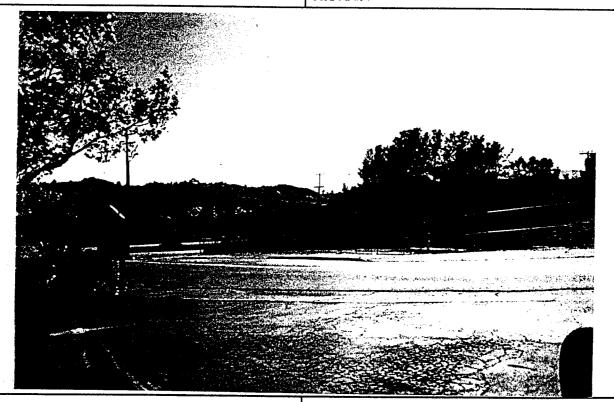


PROJECT#: SF075-050

DATE: July 18, 1998

COMMENTS: Standing at front of the site looking north. Local neighboring active gas stations are visible in background.

PHOTO #: 7

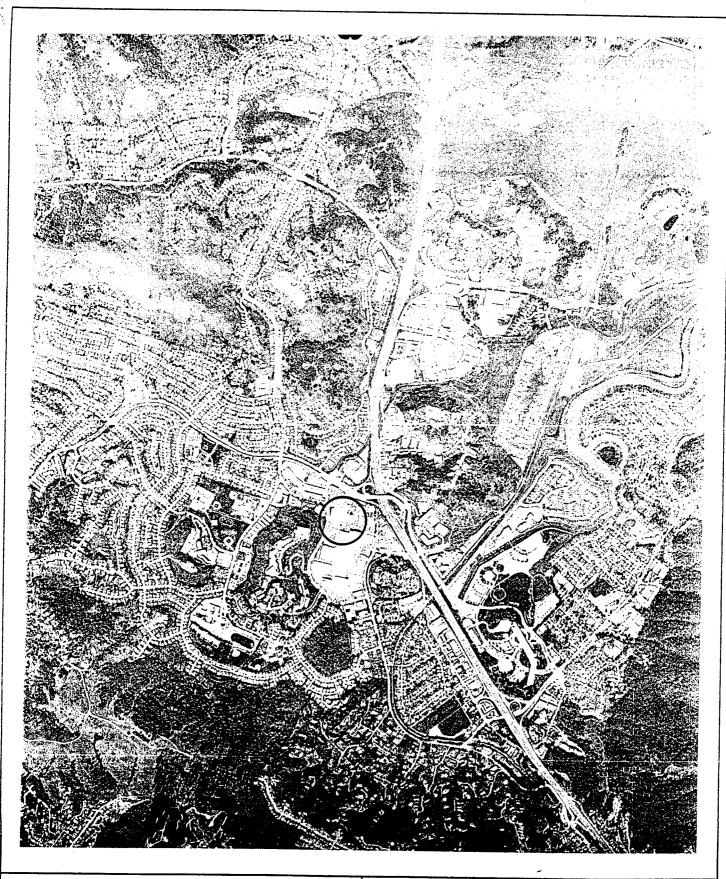


SITE:	Northgate @ Las Galinas, San	Rafael, CA

COMMENTS: Abandoned gas station located approximately .25-miles from subject site.

PROJECT#: SF075-050

DATE: July 18, 1998



SITE: Northgate @ Las Galinas, San Rafael, CA	COMMENTS: Aerial Photograph
PROJECT#: SF075-050	
DATE: July 18, 1998	PHOTO# : Acrial



March 23, 1999

IT Corporation

757 Arnold Drive, Suite D Martinez, CA 94553-6526 Tel. 925.370 3990 Fax. 925.370.3991

A Member of The IT Group

Captain Bradley Mark
City of San Rafael Fire Department
Hazardous Materials Division
1039 C Street
San Rafael, CA 94901

Subject: Request for Closure

Sears, Roebuck and Co. Automotive Center No. 1528

9000 Northgate Mall San Rafael, California

Dear Captain Mark:

IT Corporation (formerly Fluor Daniel GTI), on behalf of Sears, Roebuck and Co. (Sears), submits this information to substantiate no further action at the subject site. See attachment 1, figure 1 for the site location, figure 2 for a plot plan showing existing site features, figures 3 and 4 for soil analytical results and their respective locations. Analytical results are provided in attachment 2, and include tables 1, 2, and 3, with laboratory data. Analytical laboratory results are provided in attachment 3. The Underground Storage Tank Closure Review Form is provided in attachment 4, and waste removal documentation is provided in attachment 5.

Closure is requested on the basis of:

- Hydrocarbon source removal completed four years ago: several underground storage tanks (USTs) removed containing gasoline, used-oil, and motor oil. Product lines and fuel dispenser islands were removed between November 29, and December 1,1994 as described in the *Dispenser Island and Product Line Removal Report* for Sears Store 1528, dated July 1, 1996 (Fluor Daniel GTI, 1996).
- Approximately 32 cubic yards of hydrocarbon-impacted, soil was removed from the site in May 1995.
- Original concentrations of compounds detected at a maximum depth of 4 feet below grade (bg).
- Highest concentrations of compounds originally reported in excavated soil removed from site
- Impacted soil is within the upper 3 to 4 feet of the subsurface and attenuates with increased depths.

Site remains covered with asphalt, which prevents surface infiltration and flushing of hydrocarbons in soil into groundwater.

Based on available site information, IT Corporation proposes that this site meets State Water Resources Control Board criteria for closure as low-risk. Site closure concurrence is therefore requested of the San Rafael Fire Department. Attached please find a UST closure request form (based on Environmental Protection Agency [EPA] format).

GEOLOGY AND HYDROGEOLOGY

According to the visual observations during excavation, soil types at the site consist primarily of 4 to 6 inches of gravels over a gravelly, moist clay mixture, to a depth of 4 feet, the maximum depth explored. IT Corporation encountered non-native sands in pipe trenches and immediately beneath fuel islands. Site-specific lithology cannot be determined as the maximum depth explored was 4 feet below grade. Groundwater was not encountered during excavation.

CLOSURE GOALS

In alignment with current State UST Reimbursement Fund policies, the goals of hydrocarbon remediation at this site include: 1) removal of the primary source of the hydrocarbon-impaction (USTs), removal of product lines, motor and used oil lines, and fuel dispensers. 2) overexcavation and removal of impacted soil to off-site facility for thermal treatment. 3) Delineation of plume migration.

Hydrocarbon Source Removal

Information provided by Sears indicates two USTs containing gasoline, one UST containing used-oil, an unknown number of motor oil USTs and the product dispensers were removed during demolition activity prior to 1994. The exact dates of the UST removal are not known. IT Corporation was not supplied with additional information relating to the UST removal and is not aware of any other subsurface investigations, current or other conducted at this site.

Demolition and removal of the dispenser islands and product lines took place between November 29, and December 1, 1994 (Fluor Daniel GTI, July 1996). The dispenser islands, gasoline product lines, vent lines, motor oil supply lines, and used-oil lines were removed by Norm Wilson and Sons, Inc., Paramount, California. Soil samples were collected beneath the dispenser islands, along the product

1528SRAF RFC IT CORPORATION

line trenches and lateral and vertical extent of the excavation to characterize the stockpiled soil for disposal under the direction of the San Rafael Fire Department (SRFD) in San Rafael California.

A total of 17 soil samples were collected from underneath the dispenser islands, gasoline product lines, vent lines, and the lateral and vertical extent of the excavation at depths of 2 to 4 feet beneath the piping on November 29,1994. Soil samples collected were analyzed for:

- total petroleum hydrocarbons as gasoline, TPH-g; (EPA Method 8015 Modified)
- benzene, toluene, ethylbenzene, and total xylenes, BTEX; (EPA Method 8020)
- total lead, (EPA Method 6010)

Five soil samples were collected from underneath the used-oil lines, oil supply lines, and motor oil supply lines at 5 feet below the piping. The soil samples were analyzed for:

- total petroleum hydrocarbons as gasoline, TPH-g; (EPA Method 8015 Modified)
- total petroleum hydrocarbons as diesel, TPH-d; (EPA Method 8015 Modified)
- total recoverable petroleum hydrocarbons, TRPH; (EPA Method 418.1)
- volatile organic compounds, VOCs; (EPA Methods 8240)
- California Assessment Manual (CAM) for metals; (EPA 6000/7000 series analysis)

Concentrations of hydrocarbons were not detected in any of the soil samples from the dispenser island, product line and main trench areas. Concentrations of total lead were detected in 16 of the 17 soil samples from the dispenser island and product line and main trench areas, with a maximum of 11 milligrams per kilogram (mg/kg) total lead reported in sample number BTE-1/3 from fuel island B at 3 feet bg.

No concentrations of hydrocarbons or VOCs were reported in the samples collected from the dispenser Island area (table 1). Concentrations of TRPH were detected in three of the five soil samples from the motor and used oil product line areas, with a maximum of 19 mg/kg in sample WO-2/4, at 4 feet bg from the used oil supply line area. CAM metals results indicated maximum concentrations of 210 mg/kg for total chromium in sample NO-3/5 at 2 feet bg from the motor oil supply line area.

Reduction of Residual Hydrocarbons

Currently there are no open excavations or construction projects at the site that would expose soil containing hydrocarbons. The site is covered with asphalt and concrete and there does not appear to be any potential risk of exposing the public to soil containing hydrocarbons.

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REQUEST FOR CLOSURE

In alignment with current SRFD policies, site closure is requested at this site. No additional work is planned at this site pending agency response to this request for closure.

Please contact Melissa Gossell at (925) 370-3990, extension 266 if you have questions or comments about this correspondence.

Sincerely, IT CORPORATION Submitted by:

IT CORPORATION
Approved by:

Kevin McIlvenna

Staff Environmental Scientist

Myossell for IC.M.

Melissa Gossell, R.E.A. West Zone Project Manager

Donell

Scott DeMuth, Sears
 USA Petroleum File
 Russ Zora, Central Files, Lenexa, KS
 Project File

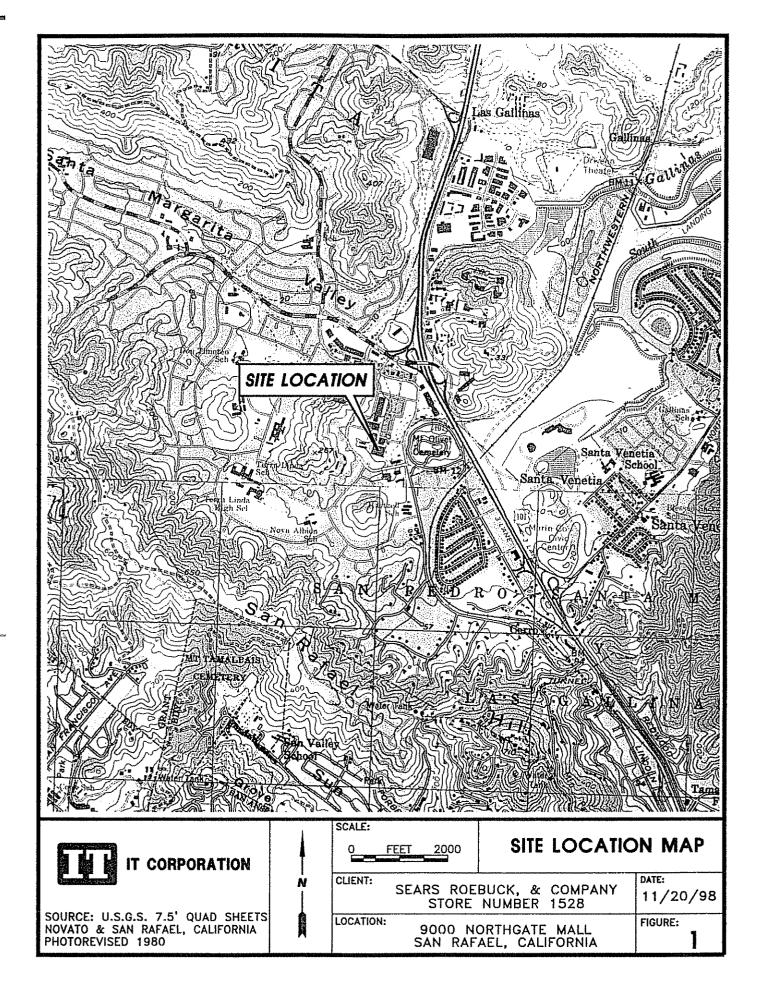
Attachments

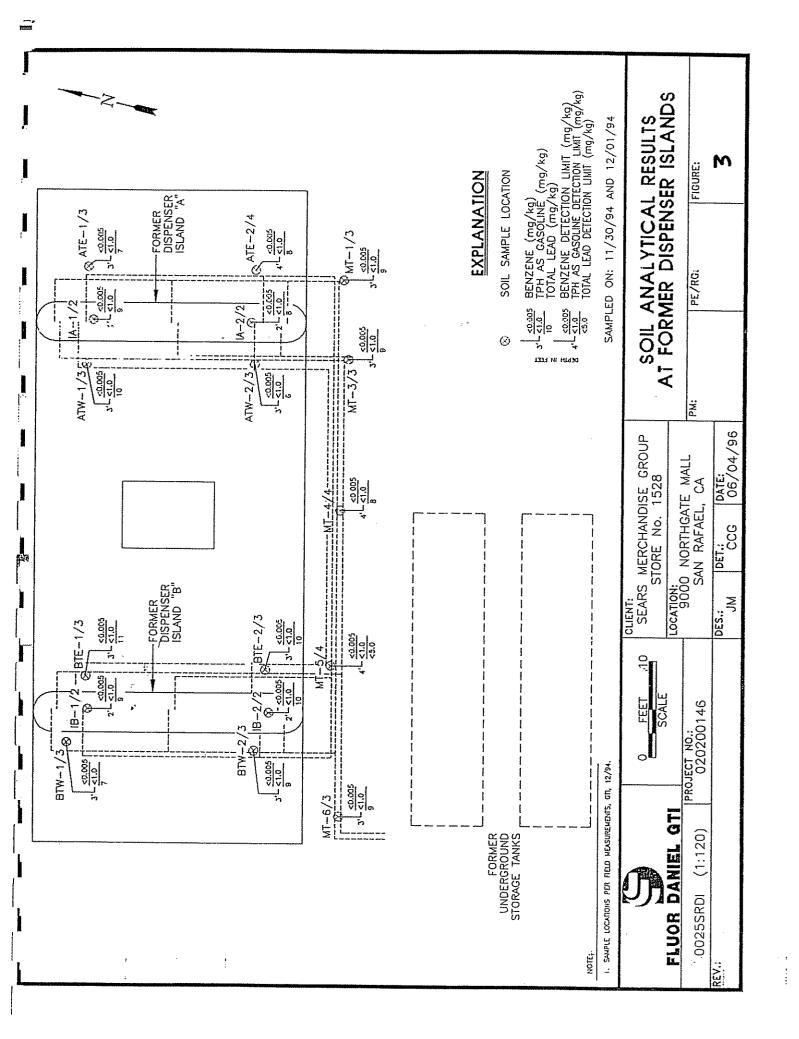
- 1. Figures
- 2. Data Tables
- 3. Analytical Laboratory Reports
- 4. Underground Storage Tank Closure Review Form
- 5. Waste Removal Documentation

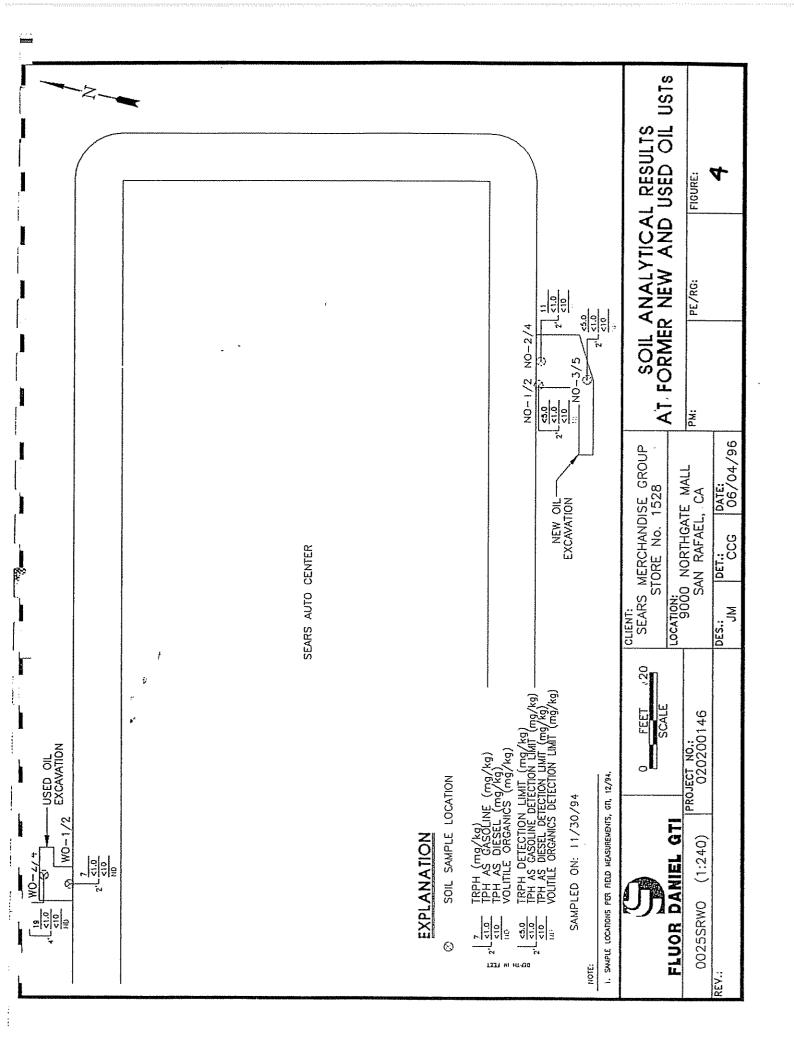
Attachment 1

Figures

1528SRAF RFC IT CORPORATION







Attachment 2

Data Tables

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Gasoline Dispenser Island Samples								
Samples	Date	TPH-g	В	Т	E	X	Total Lead	
	Island A soil samples							
IA-1/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9	
IA-2/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	8	
ATE-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	7	
ATE-2/4	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	8	
ATW-1/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015°	10	
ATW-2/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	6	
			Island B S	oil Samples	•			
IB-1/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9	
IB-2/2	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	10	
BTE-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	11	
BTE-2/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	10	
BTW-1/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	7	
BTW-2/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	9	
	······································		Main Trench	Soil Samples	.			
MT-3/3	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	9	
MT-4/4	11/30/94	<1	<0.005	<0,005	<0.005	<0.015	8	
. MT-5/4	11/30/94	<1	<0.005	<0.005	<0.005	<0.015	<5	
MT-1/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9	
MT-6/3	12/01/94	<1	<0.005	<0.005	<0.005	<0.015	9	

Notes

- 1) All results expressed in milligrams per kilogram
- 2) Total lead analyzed using EPA Method 6010

TPH-g = total petroleum hydrocarbons as gasoline, B = benzene, T = toluene, E = ethylbenzene, X = total

xylenes; analyzed using EPA Method 8020

< Number = below reported detection limits

20200146.DIP



TABLE 2 Former Motor and Used Oil Product Line Soil Analytical Results

Sears Store 1528, San Rafael, California Sampled November 30, and December 1, 1994

Samples	Date	TRPH	TPH-g	TPH-d	Volatile Organics	
Used Oil Supply Line Soil Samples						
WO-1/2	11/30/94	7	<1	<10	ND	
WO-2/4	11/30/94	19	<1	<10	ND	
		Motor Oi	l Supply Line So	il Samples		
NO-1/2	11/30/94	<5	<1	<10	ND	
NO-2/4 NO-3/5	11/30/94 11/30/94	11 <5	<1 <10	<10 <10	ND ND	

Notes:

- 1) All results expressed in milligrams per kilogram
- 2) Volatile organics analyzed using EPA Method 8240A

TRPH = total recoverable petroleum hydrocarbons; analyzed using EPA Method 3550/418.1

TPH-g = total petroleum hydrocarbon as gasoline, B = benzene, T = toluene, E = ethylbenzene,

x = total

TPH-d = total petroleum hydrocarbons as diesel; analyzed using EPA Method Modified 8015

<Number = below reported detection limits

ND = not detected

TABLE 3 Former Motor and Used Oil Product Line Soil CAM Metal Analytical Results

Sears Store 1528, San Rafael, California Sampled November 30, 1994

Motor Oil/Oil Supply Samples							
Analyte	Date	WO-1/2	WO-2/4	NO-1/2	NO-2/4	NO-3/5	
Antimony	11/30/94	<5	<5	<5	<5	<5	
Arsenic	11/30/94	5.5	2.5	4.0	9.3	7.5	
Barium	11/30/94	150	55	100	130	170	
Beryllium	11/30/94	0.6	<0.5	<0.5	<0.5	0.6	
Cadmium	11/30/94	<0.5	<0.5	<0.5	<0.5	<0.5	
Chromium, total	11/30/94	30	38	92	68	210	
Cobalt	11/30/94	9	8	19	16	21	
Copper	11/30/94	28	11	17	47	35	
Lead	11/30/94	8	<5	6	6	8	
Mercury	11/30/94	<0.1	<0.1	<0.1	0.1	0.1	
Molybdenum	11/30/94	1	<1	<1	1	1	
Nickel	11/30/94	41	59	100	110	180	
Selenium	11/30/94	<5	<5	<5	<5	<5	
Silver	11/30/94	<1	<1	<1	<1	<1	
Thallium	11/30/94	<5	<5	<5	<5	<5	
Vanadium	11/30/94	32	22	44	44	46	
Zinc	11/30/94	58	34	35	69	70	

Notes:

- All results expressed in milligrams per kilogram
 Analyzed using EPA Methods 6010, 7060, and 7470

<Number = Below reported detection limit

Attachment 3 Analytical Laboratory Reports

1528SRAF RFC IT CORPORATION



TH+111

Client Number: 020200025 Project ID: Sears 1528 9000 Northgate

San Rafael, CA

Work Order Number: C4-11-0454

4080 Pike Lane, Suite C Concord, CA 94520 (510) 685-7852 (800) 544-3422 Inside CA FAX (510) 825-0720

December 6, 1994

Eileen Brennan Groundwater Technology, Inc. 275 South Temple, Suite 321 Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 11/30/94, under chain of custody records 30200 and 33586.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Rashmi Shah

Laboratory Director

Client Number: 020200025 Project ID: Sears 1528 9000 Northgate San Rafael, CA Work Order Number: C4-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number	08	09	10	11	
Client Identification	WO-1/2	WO-C	WO-2/4	NO-1/2	
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94	
Date Prepared	12/01/94	12/01/94	12/01/94	12/01/94	
Date Analyzed	Date Analyzed			12/01/94	12/01/94
Analyte		Concentrat	ion, mg/Kg		
Total Petroleum Hydrocarbons 5		7	110	19	<5
Detection Limit Multiplier	1	2.5	1	1	

The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.

Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.



Client Number: 020200025 Project ID: Sears 1528 9000 Northgate San Rafael, CA Work Order Number: C4-11-0454

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number	12	13	14	120194 TPH	
Client Identification	NO-2/4	NO-C	NO-3/5	METHOD BLANK	
Date Sampled	11/30/94	11/30/94	11/30/94		
Date Prepared	12/01/94	12/01/94	12/01/94	12/01/94	
Date Analyzed		12/01/94	12/01/94	12/01/94	12/01/94
Detection Analyte Limit, mg/Kg			Concentrat	tion, mg/Kg	
Total Petroleum Hydrocarbons 5		11	26	<5	<5
Detection Limit Multiplier		1	1	1	1

The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.



Client Number: 020200025 Project ID: Sears 1528

9000 Northgate San Rafael, CA Work Order Number: C4-11-0454

ANALYTICAL RESULTS

TPH as Diesel in Soil

Method: Modified EPA 8015a

GTEL Sample Number		08	09	10	11
Client Identification	WO-1/2	wo-c	WO-2/4	NO-1/2	
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94	
Date Extracted		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/03/94
Detection Analyte Limit, mg/Kg		Concentration, mg/Kg			
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		74.5	91.5	76.4	92.4

GTEL Sample Number	12	13	14	GCI 120294	
Client Identification	NO-2/4	NO/C	NO-3/5	METHOD BLANK	
Date Sampled	11/30/94	11/30/94	11/30/94	-	
Date Extracted	Date Extracted			12/02/94	12/02/94
Date Analyzed		12/02/94	12/02/94	12/03/94	12/02/94
Detection Analyte Limit, mg/Kg			Concentrat	ion, mg/Kg	
TPH as diesel	10	<10	<10	<10	<10
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery				74.0	106

O-Terphenyl surrogate recovery acceptability limits are 50-150%. Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986.



020200025

ANALYTICAL RESULTS

Login Number:

C4110454

Volatile Organics

Project ID (number): 020200025

Method: EPA 8020

Project ID (name):

Sears/#1528/9000 Northgate Mall, San Rafael

Solids Matrix:

	Client ID ATW-1/3	0454-02 C4110454-03 C4110454-04 ATW-273 BTW-173 BTW-273 1730/94 11730/94 11730/94
Dat.	e Analyzed 11/30/94 1.	1/30/94 11/30/94 11/30/94
DiTut	ton Factor 1.00	1.00 1.00 1.00

	Reporting					
Analyte	Limit	Units	Cor	<u>ncentration:Wet </u>	<i>N</i> eight	
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)	# #	*	96.9	86.5	66.2	85.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.



020200025

ANALYTICAL RESULTS

Login Number:

C4110454

Project ID (number): 020200025

Volatile Organics Method: EPA 8020

Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

Matrix: Solids.

OTEL Sample Number C4110454-05 C4110454-06 C4110454-07 Client ID MT-3/3 MT-4/4 MT-5/4 Date Sampled 11/30/94 11/30/94 11/30/94 Date Analyzed 11/30/94 11/30/94 11/30/94	
Dilution Factor 1.00 1.00 1.00	

	Reporting					
Analyte	Limit	Units	Cond	entration:Wet	Weight	
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	en w
Ethylbenzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	- w
TPH as GAS	1,0	mg/kg	< 1.0	< 1.0	< 1.0	# *
BFB (Surrogate)		X	82.6	88.9	66.7	** M

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods", SW-846. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.



020200025

ANALYTICAL RESULTS

Login Number:

C4110454

Project ID (number): 020200025

Project ID (name): Sears/#1528/9000 Northgate Mall, San Rafael

Volatile Organics

Method:

EPA 8015

Matrix: Solids.

		C4110454-09 C4110454-10	
Date Sampled Date Analyzed	11/30/94	11/30/94 11/30/94	11/30/94 11/30/94
Dilution Factor	1.00	1.00 1.00	1.00

Reportin	a
----------	---

Analyte	Limit Ur	nits	Coi	ncentration:Wet W	leight	
TPH as Gasoline	1.0 mg	3/kg	< 1.0	< 1.0		< 1.0
BFB (surrogate)		X	88.9	87.9	93.3	82.3

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update 1.- Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.



020200025

ANALYTICAL RESULTS

Login Number:

C4110454

Project ID (number): 020200025

Project ID (name):

Sears/#1528/9000 Northgate Mall, San Rafael

Volatile Organics

Method: **EPA 8015**

Matrix:

Solids

GTE	L Sample Number C	4110454-12 C4110454	I-13 C4110454-14	
		NO-2/4 N	IO/C NO-3/5	
	Date Sampled	11/30/94 11/30	7/94 11/30/94	
	Date Analyzed	12/01/94 12/01	1/94 12/01/94	
	Dilution Factor	1.00 1	.00 1.00	

Reporting

Analyte	Limit U	Inits	Co	ncentration:Wet	Weight	
TPH as Gasoline	1.0 n	ig/kg	< 1.0	< 1.0	< 1.0	# **
BFB (surrogate)		X	85.0	90.6	87.9	

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8015:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846. Third Edition including promulgated Update 1.- Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.



Project ID (name):

020200025

QUALITY CONTROL RESULTS

Login Number:

C4110454

Project ID (number): 020200025 Sears/#1528/9000 Northgate Mall, San Rafael

Volatile Organics EPA 8020 Method:

Matrix: Solids

Method Blank Results

QC Batch No:

A113094-1

Date Analyzed:

30-NOV-94

	Date Analyzed: 30-NOV-94	
Analyte	Method:EPA 80	20 Concentration: mg/kg
Benzene	< 0.0050	
Toluene	< 0.0050	
Ethylbenzene	< 0.0050	
Xylenes (Total)	< 0.015	
TPH as Gasoline	< 1.0	

Notes:



33586 Oliza No 201 ON Storage Location Corresivity T Flash Point T Reactivity T Ŋ □ bead biriagiO D IT □ 0109 □ 12b7 □ 02b7 □ 7 002 □ 5 652 bead ZIFC [CAM Metals TTLC Ν □ ARDR □ TAL □ RCRA □ 200 N TCLP Metals
☐ VOA
☐ Semi-VOA
☐ Pest
☐ Heth
☐ medi-trea EP TOX Metals 🗆 Pesticides 🗀 Herbicides _ 0168 _ 018 A93 □ (SS+) SBN □ JAT\0YS8 □ J99\2S8 A9∃ Received by Laboratory: □ (21+) SBNX JAT\04S8 = J99\25 A93 CHAIN-OF-CUSIOUY RECORD ANALYSIS 8 5 885 Received by: **AND ANALYSIS REQUEST** REMARKS: DEEK Received by: □ 0208 A93 = 208 A93 Lab Use Only Lot #: □ 0108 A93 □ 108 A93 Waybill Work Order #: □ S.SO2 A93 = 1.502 A93 9-41) でなが X 1.814 AINH9T 15:20 Signature (Signature) Time Ime _ 609 WS _ Z 614 _ 1.614 eseato ons iiO Hydrocarbon Profile (SIMDIS) Hydrocarbons GC/FID Gas X Diese Screen BTEX/Gas Hydrocarbons PID/FID T. with MTBE T 1158 AY 113009 ±EX 602 ☐ 8020 ₺ with MTBE ☐ SPECIAL REPORTING REQUIREMENTS 23.5 7.2.5 S>;?/ Sampling **HIME** Chicasoldes y Client Project ID: (#) Och 2000 25 SPECIAL DETECTION LIMITS DATE FAX# 510 685 9148 671-238 OTHER WITH JAY C 2/9N NAME: SCAM 1528 .3656U 037532 Preserved Site Location: 4000 Sampler Name (Print): Method ICE ÷OS²H 46ωυ r IKE Łĸwa, SUma C CONCORD, CA 94520 (510) 685-7852 (800) 423-7143 Phone #5 66 HNO FAX S CO HCI **П** ЭНТО PRODUCT Matrix SLUDGE HIA Relinquished by Sampler: Special Handling SOIL **H**3TAW Project Manager: Sec. Relinquiched by: **CONTAINERS** Relinquished by: I attest that the proper field sampling procedures were used during the collection of these samples. Ouoto/Contract # QA/QC Level Confirmation # &TEL Contact (Lab Use) Lab# 4 m 4 # O 4687 Port Olher Company Address: CUSTODY **PECORD** GTEL INVIDORMINIAL INC Company Name: CP: TATSA Sample ID appelled (48 hr) 7 Business Days Fleid Preprinty (24 las) Business Days Blue .

4080 PHIEE LANE. SUITE C CONCORD CA 94520 CONCORD CA 23.7443 Phone #: \$70 6 712.38 Phone #: \$70 6 83-7148 CLANDLES FREE Claim Frage (ID. (#) 0.20.20 Claim Frage (ID.	
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12/1/94 gos islands = all ND BTEX/gas



Western Region 4080 Pike Lane, Suite C Concord, CA 94520 (510) 685-7852 (800) 544-3422 Inside CA FAX (510) 825-0720

December 2, 1994

Eileen Brennan Groundwater Technology, Inc. 275 S. Temple #321 Salt Lake City, UT 84111

RE: GTEL Client ID:

020200025

Login Number:

C4120017

Project ID (number):

020200025

Project ID (name):

Sears/1528/9000 Northgate Mall, San Rafael

Dear Eileen Brennan:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 12/01/94 under Chain-of-Custody Number(s) 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the Department of Health Service under Certification Number E1075.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Rashmi Shah

Laboratory Director

Edun Pooluhu

020200025

ANALYTICAL RESULTS

Login Number:

C4120017

Project ID (number): 020200025 Project ID (name): Sears/1520

Sears/1528/9000 Northgate Mall. San Rafael

Volatile Organics Method: EPA 8020

Matrix: Solids

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OTEL Sample Number C4120017-01 C4120017-02 C4120017-03 C4120	mazana 💮 💮
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Client ID MT 1/3 MT 6/3 IA 1/2	1 <i>H</i> 2 <i>I</i> 2
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Date Analyzed 12/01/94 12/01/94 12/01/94 12	AU 11 24 3 3 3 3
Dilution Factor 1 00 1 00 1 00	
011ution 2.39 2.37	

eporting					
Limit	Units	Con	<u>centration:Wet l</u>		
0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
	X	89.3	89.0	84.9	91.0
	Limit 0.005 0.005 0.005 0.015 1.0	Limit Units 0.005 mg/kg 0.005 mg/kg 0.005 mg/kg 0.005 mg/kg 0.015 mg/kg 1.0 mg/kg	Limit Units Con 0.005 mg/kg < 0.005 0.005 mg/kg < 0.005 0.005 mg/kg < 0.005 0.015 mg/kg < 0.015 1.0 mg/kg < 1.0	Limit Units Concentration:Wet & 0.005 mg/kg < 0.005 < 0.005 0.005 mg/kg < 0.005 < 0.005 0.005 mg/kg < 0.005 < 0.005 0.015 mg/kg < 0.015 < 0.015 1.0 mg/kg < 1.0 < 1.0	Limit Units Concentration:Wet Weight 0.005 mg/kg < 0.005 < 0.005 0.005 mg/kg < 0.005 < 0.005 0.005 mg/kg < 0.005 < 0.005 0.015 mg/kg < 0.015 < 0.015 1.0 mg/kg < 1.0 < 1.0

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods", SW-846. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 60-119%.

GTEL Concord, CA C4120017:1



020200025

ANALYTICAL RESULTS

Login Number:

C4120017

Volatile Organics

EPA 8020

Project ID (number): 020200025

Method:

Sears/1528/9000 Northgate Mall. San Rafael Project ID (name):

Matrix: Solids.

Cli Date S	Number C4120017-05 C4120017-06 C4120017-07 C4120017-08 ent ID IB 1/2 IB Z/2 BTE 1/3 BTE 2/3 sampled 12/01/94 12/01/94 12/01/94 12/01/94
	malyzed 12/01/94 12/01/94 12/01/94 12/01/94 12/01/94 Factor 1.00 1.00 1.00

	Reporting					
Analyte	Limit	Units	Cor	ncentration:Wet	<i>l</i> eight	
Benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Ethy I benzene	0.005	mg/kg	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes (total)	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015
TPH as GAS	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0
BFB (Surrogate)		X	72.1	62.9	82.4	83.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods", SW-846. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate 1s 60-119%.

GTEL Concord, CA C4120017:2



020200025

ANALYTICAL RESULTS

Login Number:

C4120017

Volatile Organics Method: EPA 8020

Project ID (number): 020200025 Project ID (name): Sears/1520

Sears/1528/9000 Northgate Mall, San Rafael

Matrix: Solids

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GTEL Sample Number	6533
PTEL Cample Mimbre	6000
ALIEL COMPLE MINDE ALIELIE ALI	AN 25
DILL JOHULE HUNCH WILLY WINNESS AV	55.55
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	Reporting					
Analyte	Limit	Units	Cor	centration:Wet W	<i>l</i> eight	
Benzene	0.005	mg/kg	< 0.005	< 0.005		
Toluene	0.005	mg/kg	< 0.005	< 0.005		***
Fthylbenzene	0.005	mg/kg	< 0.005	< 0.005		**
Xvlenes (total)	0.015	mg/kg	< 0.015	< 0.015		
TPH as GAS	1.0	mq/kg	< 1.0	< 1.0		4 4
BFB (Surrogate)		*	90.5	84.1		

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update 1. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate 1s 60-119%.

GTEL Concord, CA C4120017:3



33582 Slorage Location Correctivity T Flash Point T Reactivity T 2015 modulnou _ bead pinegrO 24hr TAT 又 Tead 239 2 \(\text{ 200 7 \(\text{ 7420 \(\text{ 7421} \) \(\text{ 6616 \(\text{ 1546} \) \\ \end{600} \) CAM Metals TTLC = STLC = TARDR T JAT T instulted vittoing - alsteff ARB Work Order #: C4120017 TCLP Metals T VOV T Semi-VOA T Pest T Herb Lab Use Only Lot #: EP TOX Metals _ Pesticides _ Herbicides _ BEX/TPH-6-_ 0168 _ 018 A93 Waybill # 1 ☐ (92+) SBN ☐ JAT\0\78 ☐ J99\826 A9 0208 Received by Laboratory: ANALYSIS RED Tenh CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST AT/0458 _ J99/PPL _ 8240/TAL __ Yno 809 __ 8080 A93 Received by: _ 0208 A93 _ 508 A93 Received by ■ 0108 A93 = 108 A93 REMARKS: _ S.S02 A93 _ 1.E02 A93 EDB P\ 204 _ DBC5 P\ 204 _ Date Time 12/1/94 | 14:10 3:05 14:10 Time Oil and Grease 413.7 T 413.2 T SM-503 Hydrocarbon Profile (SIMDIS) Diesel _ Screen _ Tydrocarbons GC/FID Gas ☐ 38TM rliw 🗲 OI3\OI9 snodisoolbyH 262\X318 Date 10:55 SPECIAL REPORTING REQUIREMENTS 0/:// 11:20 06:11 10.30 05.01 11.05 6:07 1.1.01 Sampling TIME Client Project ID: (#) ひとってののとく SAN RAFAEL Site Location: 9000 North-sate 50 685-9148 1/2 Phone #: 5-10 6-71 -2387 アプラン SPECIAL DETECTION LIMITS **DATE** NAME) JOAFS (S-28 Sampler Name (Print): HEHTO (Specity) ZEBAED NASBE: × Preserved Method Terry T ICE 4080 PIKE LANE, SUITE C CONCORD, CA 94520 (510) 685-7852 (800) 423-7143 *OSZH FONH FAX HCI FAX #: **MEHTO** PRODUCT Matrix **PEROPE** AIA Relinguished by Sampler: Special Handling TIOS ech **MATER** Relinguishegby: # CONTAINERS Relinquished by: Sum からのである Ouote/Contract # attest that the proper field sampling QA/QC Level Ground water 1 -GTEL Contact Confirmation # (Lab Use) procedures were used during the Lab# 020 0.4 0.5 90 S $\bar{\Diamond}$ 0 Other [] collection of these samples д Э Compank Address CUSTODY RECORD o (T GTEL Сотрапу Name: Project Manager E. Ver IB2/2 Field Sample ID O. Expedited (48 hr) 7 Business Days BTE 1, A122 Business Days Proprily (24 hr) TAZ 405-7 IAI 278 T B Blue Σ 2



Western Region 4080 Pike Lane, Suite C Concord, CA 94520 (510) 685-7852 (800) 544-3422 Inside CA FAX (510) 825-0720 Client Number

Client Number: 020200025 Project ID: Sears 1528 total Pb

9000 Northgate

San Rafael
Work Order Number: C4-12-0018

December 13, 1994

Eileen Brennan Groundwater Technology, Inc. 275 South Temple, Suite 321 Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33582.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Rashmi Shah

Laboratory Director

ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010a

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		01	02	03	04
Client Identification		MT 1/3	MT 6/3	IA 1/2	IA 2/2
Date Sampled		12/01/94	12/01/94	12/01/94	12/01/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed				12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg		Concentrat	ion, mg/Kg	
Lead, total 5		9	9	9	8
Detection Limit Multiplier	1	1	1	11	

GTEL Sample Number	GTEL Sample Number		06	07	08
Client Identification			IB 2/2	BTE 1/3	BTE 2/3
Date Sampled		12/01/94	12/01/94	12/01/94	12/01/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed)	12/06/94	12/06/94	12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg		Concentrat	ion, mg/Kg	.,
Lead, total 5		9	10	11	10
Detection Limit Multiplier	1	1	1	1	



ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010a

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number	09	10	120294 MET		
Client Identification		ATE 1/3	ATE 2/4	METHOD BLANK	•
Date Sampled		12/01/94	12/01/94	***	
Date Prepared		12/02/94	12/02/94	12/02/94	
Date Analyzed)	12/06/94	12/06/94	12/06/94	
Analyte		Concentrat	ion, mg/Kg		
Lead, total 5		7	8	<5	
Detection Limit Multiplier	1		1		



33582 Storage Location Corrosivity _ Flash Point _ Reactivity _ 2015 Madeline TAT __ beaJ pinepiO 又 _ 0103 _ 1247 \(\overline{\sigma}\) 029 Z \(\overline{\sigma}\) 239 Z \(\overline{\sigma}\) 239 Z \(\overline{\sigma}\) 239 Z \(\overline{\sigma}\) 239 Z \(\overline{\sigma}\) 339 Z \(\overline{\si CAM Metals TTLC _ STLC _ ンナペ ŧ EPA Metals - Priority Pollutant = TAL = BCRA = TCLP Metals 🗆 VOA 🗀 Semi-VOA 🗇 Pest 🗇 Herb 🗀 Lab Use Only Jet#. (2+120018 14120017 15. EP TOX Metals T Pesticides T Herbicides Led Std REMARKS. BIESX/TPH-6-EPA 610 🗀 8310 🗀 Waybill # 1 ☐ (SZ+) SBN ☐ JAT\0\\CS ☐ J99\\RS (+25) Received by Laboratory: ANALYSIS FIED 8020 CHAIN-OF-CUSTODY RECORD __ JAT/0428 __ J99/428 A93 □ VINO 809 □ 8080 □ 808 AT3 AND ANALYSIS REQUEST Received by: Received by: EPA 602 [] EPA 8020 [] ☐ 0108 A93 ☐ 108 A93 Work Order #: □ S.SO2 A93 □ 1.602 A93 EDB PA 204 🗆 DBCS PA 204 🗆 12/1/94 114:10 ☐ EOS M2 ☐ 1.814 FINH9T 13:05 (94 1/4:10 ime Oil and Grease 413.1 T 413.2 T SM-503 Hydrocarbon Profile (SIMDIS) Hydrocarbons GC/FID Gas

Diesel

Screen ☐ 38TM riiw ỗ Ol7\Ol9 anotisooshyb sea\X3T8 ☐ ∃8TM diw \$2 oso8 ☐ soo X∃TB 10:55 SPECIAL REPORTING REQUIREMENTS 0/:// 11:20 08:11 10:05 10:15 10:30 05:01 11:05 10.6% Sampling TIME Client Project ID: (#) カンシュロロッシン SAN RAFIEL Site Location 900 Chrthsate 50 685-9148 ステン Phone #: 5-10 6-71 -238-SPECIAL DETECTION LIMITS DATE 2 INAME: Sears (S-28 Sampler Name (Print): (Specify) SERVED UNPRE-X Preserved Method いでいる。 ICE S *OSZH 4080 PIKE LANE, SUITE C CONCORD, CA 94520 (510) 685-7852 (800) 423-7143 CONH FAX HCI FAX #: **R3HTO** TOUGORY Matrix SCUDGE RIA Special Handling Relinguished by Sampler: 710S **H**3TAW Groundwater lech Relinquishe 60y: # CONTAINERS Relinquished by: Jun Eiler Brown Quote/Contract # l attest that the proper field sampling procedures were used during the QA/QC Level Confirmation # THGTEL Contact (Lab Use) Lab# GTEL 9 90 033 \$0 20 8 70 0 \bar{c} collection of these samples. P.O. Oher CompanyAddress CUSTODY RECORD Company Name: 4057 POT Project Manager 芝 CP CP CP 792/2 BTE 1/7 Ν A[22/ Priority (24 hr) Expediled (48 hr) N Field Sample ID 7 Business Days ATS -Business Days TAT TAY 187 278 IAI Blue 🗍



Client Number: 020200025 Project ID: Sears #1528

Northgate Mall San Rafael Work Order Number: C4-12-0011

CAM + total PD

Northwest Region

4080-C Pike Lane Concord, CA 94520 (510) 685-7852 (800) 544-3422 from inside California (800) 423-7143 from outside California (510) 825-0720 (FAX)

December 13, 1994

Eileen Brennan Groundwater Technology, Inc. 275 South Temple, Suite 321 Salt Lake City, UT 84111

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 12/01/94, under chain of custody record 33111 and 33113.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project. met QA/QC criteria, unless otherwise stated in the footnotes. This report is to be reproduced only in full.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely.

GTEL Environmental Laboratories, Inc.

Rashmi Shah

Laboratory Director

ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240Aa

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	wo-c	WO-2/4	NO-1/2
Date Sampled	*************************************	11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed	12/05/94	12/05/94	12/05/94	12/06/94	
Analyte	Detection Limit, ug/Kg		Concentration	·**···································	12/00/34
Chloromethane	10	<10	<10	<10	<10
Bromomethane	10	<10	<10	<10	. <10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50	<50	<50	<50
Carbon disulfide	5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	~ <5
Vinyl acetate	50	<50	<50	<50	
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	
cis-1,3-Dichloropropene	5	<5	<5		
Trichloroethene	5	<5	<5	.<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5		<5
Benzene	5	<5	<5	<5	

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240Aª

GTEL Sample Number		08	09	10	11
Client Identification		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Analyzed		12/05/94	12/05/94	12/05/94	12/06/94
Analyte	Detection Limit, ug/Kg		Concentration	***************************************	······································
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	. <10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	nene 5		<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5	<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5 .
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	~ <10
Trichlorofluoromethane	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1
DCE surrogate, % recovery		92.5	95.8	98.1	95.9
TOL surrogate, % recovery		101	110	107	110
BFB surrogate, % recovery		106	98.9	101	92.4

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240Aa

GTEL Sample Number		12	13	14	120594 MSC
Client Identification	NO-2/4	NO/C	NO-3/5	METHOD BLANK	
Date Sampled	11/30/94	11/30/94	11/30/94	***	
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg		Concentratio	n, ug/Kg	
Chloromethane	10	<10	<10	<10	· <10
Bromomethane	10	<10	<10	<10	<10
Vinyl chloride	10	<10	<10	<10	<10
Chloroethane	10	<10	<10	<10	<10
Methylene chloride	5	<5	<5	<5	<5
Acetone	50	<50 <50		<50	<50
Carbon disulfide	5	< 5	<5	<5	<5
1,1-Dichloroethene	5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5	<5	<5	<5
1,2-Dichloroethene, total	5	<5	<5	<5	<5
Chloroform	5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5
2-Butanone	20	<20	<20	<20	<20
1,1,1-Trichloroethane	5	<5	<5	<5	<5
Carbon tetrachloride	5	<5	<5	<5	<5
Vinyl acetate	50	<50	<50	<50	<50
Bromodichloromethane	5	<5	<5	<5	<5
1,2-Dichloropropane	5	<5	<5	<5	<5
cis-1,3-Dichloropropene	5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5
Dibromochloromethane	5	<5	<5	<5	<5
1,1,2-Trichloroethane	5	<5	<5	<5	<5
Benzene	5	<5	<5	<5	<5

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240Aa

GTEL Sample Number		12	13	14	120594 MSC
Client Identification		NO-2/4	NO/C	NO-3/5	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	-
Date Analyzed		12/06/94	12/06/94	12/05/94	12/05/94
Analyte	Detection Limit, ug/Kg		Concentratio	n, ug/Kg	
trans-1,3-Dichloropropene	5	<5	<5	<5	<5
2-Chloroethylvinyl ether	10	<10	<10	<10	<10
Bromoform	5	<5	<5	<5	<5
4-Methyl-2-pentanone	20	<20	<20	<20	<20
2-Hexanone	20	<20	<20	<20	<20
Tetrachloroethene	Tetrachloroethene 5		<5	<5	<5
1,1,2,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane 5		<5	<5	<5
Toluene	5	<5	<5	<5	<5
Chlorobenzene	5	<5	<5	<5	<5
Ethylbenzene	5	<5	<5	<5	<5
Styrene	5	<5	<5	<5	<5
1,2-Dichlorobenzene	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Xylene, total	10	<10	<10	<10	<10
Trichlorofluoromethane			<5	<5	<5
Detection Limit Multiplier	1	1	1	1	
DCE surrogate, % recovery		101	103	94.7	94.6
TOL surrogate, % recovery		115	92.1	112	101
BFB surrogate, % recovery		96.9	95.6	102	102

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240Aª

GTEL. Sample Number	120694 MSC				
Client Identification		METHOD BLANK			
Date Sampled	Date Sampled				
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg		Concentration	on, ug/Kg	
Chloromethane	10	<10			-
Bromomethane	10	<10			
Vinyl chloride	10	<10			
Chloroethane	10	<10			
Methylene chloride	5	<5			
Acetone	50	<50		·	***************************************
Carbon disulfide	5	<5			
1,1-Dichloroethene	5	<5			
1,1-Dichloroethane	5	<5	***************************************		
1,2-Dichloroethene, total	5	<5		7	
Chloroform	5	<5			
1,2-Dichloroethane	5	<5			
2-Butanone	20	<20			
1,1,1-Trichloroethane	5	<5			
Carbon tetrachloride	5	<5	19,200		
Vinyl acetate	50	<50		~ ~~~~~~	
Bromodichloromethane	5	<5		******	
1,2-Dichloropropane	5	<5			
cis-1,3-Dichloropropene	5	<5			
Trichloroethene	5	<5			
Dibromochloromethane	5	<5		······································	
1,1,2-Trichloroethane	5	<5			
Benzene	5	<5			

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



ANALYTICAL RESULTS

Volatile Organics in Soil

EPA Method 8240Aa

GTEL Sample Number	120694 MSC				
Client Identification		METHOD BLANK	V		•
Date Sampled					
Date Analyzed		12/06/94			
Analyte	Detection Limit, ug/Kg		Concentration	on, ug/Kg	
trans-1,3-Dichloropropene	5	<5			1
2-Chloroethylvinyl ether	10	<10			
Bromoform	5	<5	A CONTRACTOR OF THE CONTRACTOR		
4-Methyl-2-pentanone	20	<20	W		
2-Hexanone	20	<20			
Tetrachloroethene	roethene 5		······································	**************************************	
1,1,2,2-Tetrachloroethane	5	<5	(7)		
Toluene	5	<5	,		
Chlorobenzene	5	<5			***************************************
Ethylbenzene	5	<5	***************************************		
Styrene	5	<5	WW.		
1,2-Dichlorobenzene	10	<10			
1,3-Dichlorobenzene	10	<10			
1,4-Dichlorobenzene	10	<10		· · · · · · · · · · · · · · · · · · ·	
Xylene, total	10	<10			
Trichlorofluoromethane	5	<5		**************************************	
Detection Limit Multiplier		1			
DCE surrogate, % recovery		105	***************************************		
TOL surrogate, % recovery		113			
BFB surrogate, % recovery		96.2			

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Including Update 1, US EPA July 1992 (method modified for additional compounds). Results reported on a wet weight basis.



ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLC)_a

GTEL Sample Number			08	09	10	11
Client Identification	\		WO-1/2	WO-C	WO-2/4	NO-1/2
Date Sampled	11/30/94	11/30/94	11/30/94	11/30/94		
Date Prepared (Method 3055)	P)		12/07/94	12/07/94	12/07/94	12/07/94
Date Analyzed (Method 6010)			12/08/94	12/08/94	12/08/94	12/08/94
Date Analyzed (Method 7060)			12/08/94	12/08/94	12/08/94	12/08/94
Date Prepared and Analyzed	(Method 747)	0)	12/07/94	12/07/94	12/07/94	12/07/94
Analyte	EPA Method ^a	Detection Limit, mg/Kg		Concentrat	ion, mg/Kg	<u> </u>
Antimony	EPA 6010°	5	<5	<5	<5	<5
Arsenic	EPA 7060d	0.5	5.5	6.3	2.5	4.0
Barium	EPA 6010°	1	150	180	55	100
Beryllium	EPA 6010°	0.5	0.6	<0.5	<0.5	<0.5
Cadmium	EPA 6010°	0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	EPA 6010°	1	30	62	38	92
Cobalt	EPA 6010°	1	9	15	8	19
Copper	EPA 6010°	1	28	27	11	17
Lead	EPA 6010°	5	8	9	<5	6
Mercury	EPA 7470°	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	EPA 6010°	1	1	1	<1	<1
Nickel	EPA 6010°	2	41	90	59	100
Selenium	EPA 6010°	5	<5	<5	<5	<5
Silver	EPA 6010°	1	<1	<1	<1	<1
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5
Vanadium	EPA 6010°	1	32	35	22	44
Zinc	EPA 6010°	5	58	56	34	35
Detection Limit Multiplier			1	1	1	1

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.

Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991. Inductively Coupled Argon Plasma (ICP).

Graphite Furnace Atomic Absorption (GFAA).

Cold Vapor Atomic Absorption (CVAA).

Client Number: 020200025 Project ID: Sears #1528

Work Order Number: C4-12-0011

ANALYTICAL RESULTS

CAM List of Metals in Soil (TTLC)_a

GTEL Sample Number			T	1 20	1	T
	12	13	14	120794 MET		
Client Identification	NO-2/4	NO/C	NO-3/5	METHOD BLANK		
Date Sampled			11/30/94	11/30/94	11/30/94	
Date Prepared (Method 3055	b)		12/07/94	12/07/94	12/07/94	12/07/94
Date Analyzed (Method 6010)			12/08/94	12/08/94	12/08/94	12/08/94
Date Analyzed (Method 7060)			12/08/94	12/08/94	12/08/94	12/08/94
Date Prepared and Analyzed	(Method 747)	D)	12/07/94	12/07/94	12/07/94	12/07/94
Analyte	EPA Method ^a	Detection Limit, mg/Kg		Concentrat	ion, mg/Kg	<u> </u>
Antimony	EPA 6010°	5	<5	<5	<5	<5
Arsenic	EPA 7060d	0.5	9.3	6.2	7.5	<0.5
Barium	EPA 6010°	1	130	120	170	<1
Beryllium	EPA 6010°	0.5	< 0.5	<0.5	0.6	< 0.5
Cadmium	EPA 6010°	0.5	<0.5	<0.5	<0.5	< 0.5
Chromium, total	EPA 6010°	1	68	51	210	<1
Cobalt	EPA 6010°	1	16	11	21	<1.
Copper	EPA 6010°	1	47	42	35	<1
Lead	EPA 6010°	5	6	6	8	<5
Mercury	EPA 7470 ^e	0.1	0.1	0.1	0.1	< 0.1
Molybdenum	EPA 6010°	1	1	<1	1	<1
Nickel	EPA 6010°	2	110	85	180	<2
Selenium	EPA 6010°	5	<5	<5	<5 -	<5
Silver	EPA 6010°	1	<1	<1	<1	<1
Thallium	EPA 6010 ^d	5	<5	<5	<5	<5
Vanadium	Vanadium EPA 6010° 1		44	40	46	<1
Zinc	EPA 6010°	5	69	80	70	<5
Detection Limit Multiplier			1	1	1	1

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.

Draft EPA method 3055 SW-846 Third Addition Revision 1 Sept. 1991. Inductively Coupled Argon Plasma (ICP).

Graphite Furnace Atomic Absorption (GFAA).

Cold Vapor Atomic Absorption (CVAA).

b.



ANALYTICAL RESULTS

Lead in Soil

EPA Method 6010a

Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample preparation by Method 3050. Results reported on a wet weight basis.

GTEL Sample Number		01	2	03	04
Client Identification		ATW-1/3	ATW-2/3	BTE-1/3	BTE-2/3
Date Sampled		11/30/94	11/30/94	11/30/94	11/30/94
Date Prepared		12/02/94	12/02/94	12/02/94	12/02/94
Date Analyzed		12/06/94	12/06/94	12/06/94	12/06/94
Analyte			ion, mg/Kg		
Lead, total 5		10	6	7	9
Detection Limit Multiplier		1	1	1	1

GTEL Sample Number		05	06	07	120294 MET
Client Identification		MT-3/3	MT-4/4	MT-5/4	METHOD BLANK
Date Sampled		11/30/94	11/30/94	11/30/94	**
Date Prepared	12/02/94	12/02/94	12/02/94	12/02/94	
Date Analyzed	Date Analyzed			12/06/94	12/06/94
Analyte	Detection Limit, mg/Kg		Concentrat	ion, mg/Kg	
Lead, total	5	9	8	<5	<5
Detection Limit Multiplier		1	1	1	1



419.1 - 24 Houre Rust. All Other Analysis GAS + Diese DTFFFR 33111 4 N Post-It* brand fax transmittal memo 7671: | # of pages * Storage Location Conceivity : Telech Point : Telechildy त्र कुष # 30900 PM Lead 2392 () 2007 [7424 C cond C cond C WORLDOOR HICKLISH SUCH ter Lice world and reduced the London No. 有がなる Phone # Fram Fax# C ARDR D JAT D Shatulket ymore DI death (T) keen (T) Activities (T) ACV (C) elegant all cy All Schindles Toe BTEX □ asboldraH □ associasa □ aleban XOT q Regissed ANNI YSIS REDUKS! 12001 □ ¢res □ cra A4∃ C) (85-) &&N C JATIONSS C) JAGASSS AGE CHAIN-OF-CUSTODY RECOND AND ANALYSIS REQUEST R ☐ (21+) 23M X JATOASS ☐ J997ASS AFE Sherry ☐ Vho 804 ☐ 0808 ☐ 806 A43 ☐ 0208 Yd3 C 009 Yd3 Lub Use Only Lut 🗈 □ 0108 493 [1] 108 A99 \$ 15 15 Dept. Fax # IN SIZER AFFELL FLED& AFFE To EDB Py 604 그 DBCL Py 504 C C EOS ME X 1.813 RIVHAT Time THE C EOS-MG CISSTA C TETA essent one NO FAXIX EILEEM - SLC + Pat-Sundianol Characterist (1904) Sask (1906) Strocksonby H Correction of the Same ☐ \$\$TM thing\$ OFFICIR anotheorbyH eabX3T8 Date ž **₩₩**₩₩ SPECIAL REPORTING RECOMBENENTS 10.38 109 1.37 1930 ₹ 0 :27 **B3**3 Sampang 3WIL Sampler Name (Pint): Sau De Ind **BRECIAL DETECTION LIMITS** HI VO FEHTO Miscon 62/M27 Ternitanes Preserved J. Method Ste Location: Ste Location 201 Client Project ID: (4) 1084 4089 PIKE LANE, SUITE C CONCORD, CA 84820 (610) 885-7852 (800) 423-7143 HICH HCI Phone #: CTHEFF K ore comed Special Bundle TOUGORA Metrix 390MS un om & Standard Reilinguahed by Sampler 108 RETTAW Confirmation (* CONTAINERS Relinquished by: Reinquisted by aut lake lette office Ul Quere/Confract # pen Beennan atitle that the proper field earnpling (Lab Usa) procedures were used during the 品質 P.O. # collection of these samples 9 Company Address Compacty Name: CUSTODY RECORD C.P. . ATW-1/3 スト・シュ on Strain Expedited (48 hr) 1/6 - OV Sampla Sampla MU-1/2 Priority (24 ft.) Business Days 3

TIP OI

15:28

75/07/1884

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST REALYSIS ALT 33560 (M) 33113	TEX. GES CL BOSO CL With MTRE CL Connected by Social Order of Checkles School Cl With MTRE Cl Checkles Hydrocarbons Propried Checkles School Cl Checkles	X X X X X X X X X X X X X X X X X X X		→					all samples for 17th gas+diesel, and 418:1—24hr (All postl. All other analyses—std 187.	S Storage Lixalion	WOOK Order #: C4110454-24 HR. RUSH	Date Time Received by:	Date Time Received by:	Oate Time Paceived by Labatolony: Waybil X
4060 PIKE LAME, SUITE C CONCORD, CA 94520 (510) 985-7852 (800) 423-7143	Addresse: Addresse: Addre		actual V V I V V V V V V V V V V V V V V V V	× 10/00/	NO 3/5 ON				TAT Special Herdling SPECIAL DETECTION LENTS Tenty (24 hg) X (3TEL Conflect Tenty (34 hg) X	SPECIAL REPORTING REQUIREVENTS		Relinquished by Serrpler:	CUSTODY Remarkshoot by:	Relinquished by:

Attachment 4

Underground Storage Tank Closure Review Form

1528SRAF RFC IT CORPORATION

State of California

UNDERGROUND STORAGE TANK

San Rafael

Environmental Prote	ection Age	ncy		CLO	OSURE R	EVIEW FOR	<u>VI</u>			Fire Department
Date: 10/1/98 LUSTIS file no.: Case reviewer:										
Site Name/Address: Sears No. 1528 9000 Northgate Mal San Rafael, CA		Respon Sears R	sible parties: toebuck & Co		Phone no.: 847-286-5530					
. CASE INFORMA	ATION (N/A	= Not Applic	cable)							
Tank No. Size in Gallons Contents Closed in-place/Removed? Date										Date
Tanks 1,2		Unknown Gasoline Removed Pric							Prior to 1994	
Tank 3		Unknown			Used Oil	Removed				Prior to 1994
Unknown		Unknown			Motor Oil		Removed			Prior to 1994
II. SITE CHARACTERIZATION INFORMATION (GW = groundwater)										
GW basin: Marin Co	ounly		Beneficial us	ses: N/A		Depth to drink	ing water aq	uifer: Unknown		
Distance to nearest	municipal s	upply well: \	Jnknown	err v se a v voca anno è ca anno de la		Distance betw	een known s	hallow GW cont	amination and a	quifer: N/A
Sile GW highest de	pth: N/A		Sile GW low	rest depth	: N/A	Shallow water interval: N/A	-bearing zon	e well screen	Flow direct	ion: N/A
Soil Type: mainly sil						Maximum dep				
II. MAXIMUM DOC	UMENTED	CONTAMIN	IANT CONCE	NTRATIC	NS - Initial and	i Lalest — = Not F	teported, ND	= Non-detect		<u> </u>
Contaminant	Soil (mg/kg)	1	Water (µg	/L)	Contaminant	Soi	l (mg/kg)	Wa	ter (µg/L)
	Initial (1994)	Lalest					Initial (1994)	Lalest	Initial (Year)	. Lalest (Year)
TPH-g	<1 (12/94)	7			~~	Xylene	<0 005 (11/94)		****	
VOC/8240	N/D					Total Lead	11		u-m-m-	
Benzene	<0.005 (11/94)		****			TRPH	19 (11/94)			
Toluene	<0.005 (11/94)		****			TPH-d	<10		440	rodyp:
Ethylbenzene	<0.005 (11/94)	-								·
V. SOIL REMEDIAT	rion									
Method: UST remov			sic biodegrad	ation 199	4 - 1998	Duration of reme	dialion; Inde	finile		
', GROUNDWATE	KEMEDIA	TION								
Method: N/A /I. FREE PRODUC	T;					Duration of remo	ediation; N/A			
Was free product en	countered?	No				Has free produc	l been lolally	recovered? N/	Α	
When was free prod		/ project con	npleted? N/A							
Soil closure only: Not applicable Case Closure: Yes Solvent Case? No										
Additional Action Required (i.e.: additional site assessment, remediation, monitoring): None										
III. JUSTIFICATION	FOR RECO	MMENDEC	ACTION:							
1) Source removed by UST removal (prior to 1994), product line and impacted soil removal May 1995. 2) No phase-separated liquid hydrocarbons.										
3) No waste oil storage at site since at least 1994, impacted soit at site not in communication w/drinking water or public contact.										
5) Ongoing biodegradation/attenuation in soil, likely to continue. 6) Asphalt cap prevents surface infiltration and flushing of hydrocarbons in soil into groundwater.										
										······

Attachment 5 Waste Removal Documentation

1528SRAF RFC IT CORPORATION

REMAT

830 North Miller Road Buckeys, Arisons 85326

Phone: (602) 386-6600

PAX: (602) 386-3300

WASTE DISPOSAL QUESTIONNAIRE

The state of the s	<u> </u>
GENERATOR INFORMATION:	REMAT WASTE ID FO.
2. NAME: Sears Roebuck & Company Store # 1528	
2. ADDRESS: 333 Reverly Rd., Dept. 824C, Bldg A2	160B
55-5-5-1 (60179)	
#. CONTACT(S): Bernadine Palka 5. PHON	£53//
6. GENERATOR'S STANDARD INDUSTRIAL CLASS CODE (SI	(C): 3007
To Becombined: N/A	
7. FEDERAL/STATE EPA ID No. (11 Hazertons). 9000 Northgate Mall, San F	Raidel, CA
WASTE INFORMATION:	
9. WASTE TYPE (common name by which weste is refe	erréd):
Stockpiled Soil Containing Petroleum Hydrocarbons	
10. ACCURATE DESCRIPTION OF THE PROCESS WHICH GEN	PRATES TEP WASTE:
UST Removal activities	
11. CONTAMINATION: (X) Gascline () Diesel Fuel!) Jet	: Ppe7 () Fuel Oil #
()Waste Oil ()Other	37
12. Is the waste hezardon. under FEDERAL PECULATI	IONS? () YES (A) NO
If yes, is the waste () LISTED or () CHARAC	CTERISTIC?
Fhat is the EPA EAGARDOUS WASTE NUMBER?	
13. Is the wasto hazardous under STATE REGULATION	ns? () yes () no if yes,
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	(IKITIAL PAGE

14. Is the waste regulated under the FEDERAL TOXIC SUBSTANCES CONTROL ACT (TUSCA)? ()YES (X)NO
15. What is the physical state of the waste at room temperature? (X) SOLID () SIMISOLID (sludge) () 100010
16. What will be the minimum percent of solids of the waste?(t)
17 To the waste (v) HOMOGENBOUS OF () STREET LED!
in will the waste contain any free standing liquids? () ELS () NO
19. Is there any debris (i.e., WOOD, CONCRETE, BRICK, STREE, PIPE, etc.) in the waste? ()YES (X)NO II yes, what is the percentage?(*)
DESCRIPTION:
20. Will the waste be disposed of in [X] BULK()DRUMS()OTHER?
21. Is the disposal of the waste () ONGOING or a (X) ONE-TIME clean-up?
22. What is the approximate volume of waste to be disposed? two (4) FR
and what wolume of wasto is currently stockpiled, if any?
24. What is the median volume of exete which will be disposed in any one day? (Specify TOKS, MARDS, DRUMS, etc.) 2 yards
TRANSPORTER INFORMATION:
25. KAME: Southwest Soil Remediation, Inc. 26. ADDRESS:3951 E. Columbia Street 27. CITY/STATE/ZIP:Tucson, AZ 28. CONTACT(S): Bob Bonnert 29. PEONE NO. (602) 571-7174 30. FEDERAL/STATE EFA ID. EO. (If Applicable): 86066729
LABORATORY INFORMATION:
31. NAME: GTEL Environmental Laboratories 32. CONTACT(S): Don Rensner 33. PHONE NO. 800-633-7936 34. Is the laboratory certified by the (X)STACE or ()EPA? (X)YES!)NO. 35. Please attach a recent (within six months) copy of the arelysis conducted from a representative sample of the waste in question.
CERTIFICATION:
I, THE UNDERSIGNED, UNDER PERALTY OF LAW, DO HEREEY CEPTIFY THAT ALL THE INFORMATION ON THIS FORM (INCLUDING ATTACHED DOCUMENTATION AND ANALYTICAL DATA) IS COMPLETE AND FACTUAL AND IS AN ACCUPATE REFRESENTATION OF THE WASTE
TO SE DISPOSED.
Manager Environmental Engineering DATE: 31 May 95

830 N. Miller Road Buokeya, &Z. 85326

Phone 602-386-6600 FAX 602-386-3300

ENVIRONMENTAL SERVICES . SOL REMEDIATION . RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

NON-HAZARDOUS CERTIFICATION

I, the undersigned, under penalty of the law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAM is not a "RCRAM listed hazardous waste as defined in 40 CFR 261 and does not exhibit any of the characteristics of a hazardous waste as defined in 40 CFR 261 of the Toxicity Characteristic Revision Rules as specified in the March 29, 1990, Federal Register; and that I am authorized to execute this document on behalf of:
GENERATOR: Sears Roebuck & Company STORE # 1528
10CATION: 9000 Northgate Mall, San Rafael, CA
IOCATION: 9000 Northgate Mall, San Rafael, CA SIGNATURE: A Company Manager Envir. Engineering
NAME (Please Print) Bernadine Palka DATE: 31 May 95
HERBICIDE/PESTICIDE/PCB CERTIFICATION I, the undersigned, under penalty of law, do hereby certify that the waste material, from the location below, submitted for acceptance to REWAT does not contain herbicides or pesticides at a concentration which would render it hazardous as defined in "RCRA" concentration which would render it hazardous as defined in "RCRA" to CFR 261, and does not contain polychlorinated biphenyls at a level greater than 50 ppm as defined by 40 CFR 261; and that I am authorized to execute this document on behalf of:
GENERATOR: Sears Roebuck & Company STORE # 1528
GENERATOR:
LOCATION: 9000 Northgate Mall, San Rafael, CA
SIGNATURE: Bunch: A Poll TIME: Kanager Envir. Engineering
KAME (Piease Print) Bernadine Palka DEEE: 31 /7 = 95



830 N. Miller Road Buckeys, AZ 85326

Phone 602-386-5600 FAX 602-386-3300

ENVIRONMENTAL SERVICES . BOIL REMEDIATION . RECYCLED PRODUCTS.

GENERATOR CERTIFICATIONS

U.S.T. EXEMPTION CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material (soil), from the location below, was contaminated by a petroleum fuel source regulated under the Federal Underground Storage Tank Rules, 40 CFR pert 280; and that I am authorized to execute this document on behalf of: Sears Roebuck & Company STORE # 1528 GENERATOR: LOCATION: 9000 Northgate Mall, San Rafael, CA SIGNATURE: Burth A Poll TITLE: Manager Envir. Engineering KAME (Piecse Print) Bernadine Palka PETROLEUM CONSTITUENT CERTIFICATION In lieu of submitting analytical data verifying that the above soil in question does not contain constituents other than those which would normally appear in an analysis of un-used petroleum products, I submit and certify that I am familiar with the source of contamination of the soil and further certify that the source contains no conteminates other than what is listed below: Soil Contaminants Gasoline Sears Roebuck & Company STORE # 1528 Secreta A Poll TITLE: Manager Envir. Engineering NAME (Please Print) Bernadine Palka

REMAT

830 North Miller Road Buckeye, Arisona 85326

Phone: (602) 386-6600

PAX: (602) 386-3300

WASTE DISPOSAL QUESTIONNAIRE

1. NAME: Sears Roebuck & Company Store #1528 2. ADDRESS: 333 Reverly Rd., Dept. 824C, Blds A2-788 /COA 3. CITY/STATE/ZIP: Hoffman Estates, II 60179 4. CONTACT(S): Bernadine Palka 5. PHONE # (708) 286-8864 6. GENERATOR'S STANDARD INDUSTRIAL CLASS CODE (SIC): 1531/ 7. FEDERAL/STATE EPA ID No. (II Bazerdous): N/A 8. WASTE SITE LOCATION: 9000 Northgate Mall, San Rafael, CA WASTE INFORMATION: 9. WASTE TYPE (COMMON name by which waste is referred): Stockpiled soil containing petroleum hydrocarbons 10. ACCURATE DESCRIPTION OF THE PROCESS WHICH GENERATES THE WASTE: UST Removal activities 11. CONTAMINATION: () GREGLIDE () Diesel Fuel;) Jet Fuel () Juel Oil # (X) Waste Cil (X) Other Used Oil 12. Is the waste heartdous under FEDERAL REGULATIONS? () YES (X) No II yes, is the waste () LISTED or () CHARACTERISTIC? N/A 13. If the waste harardous under STACE REGULATIONS? () YES (X) NO II ye ZEYLAIN;	•	
2. ADDRESS: 333 Beverly Rd., Dept. 824C, Bldo A2-72 /GOA 3. CITY/STATE/ZIF: Hoffman Estates, IL 60179 4. CONTACT(S): Bernadine Palka	GENERATOR INFORMATION:	REMAT WASTE ID BO.
2. ADDRESS: 333 Beverly Rd., Dept. 824C, Bldo A2-72 /GOA 3. CITY/STATE/ZIF: Hoffman Estates, IL 60179 4. CONTACT(S): Bernadine Palka	* NAME: Sears Roebuck & Company Store #1528	
4. CONTACT(S): Bernadine Palka 5. PHONE # (708) 280-8804 6. GENERATOR'S STANDARD INDUSTRIAL CLASS CODE (SIC): \$\frac{1}{2}\$\$ 11 7. FEDERAL/STATE EPA ID No. (If Bezerdous): N/A 9000 Northgate Mall, San Rafael, CA 8. WASTE INFORMATION: 9. WASTE TYPE (common name by which waste is referred): Stockpiled soil containing petroleum hydrocarbons 10. ACCURATE DESCRIPTION OF THE PROCESS WHICH GENERATES THE WASTE: UST Removal activities 11. CONTANINATION:() Generalized Oil (X) Waste Oil(X) Other High Oil 12. Is the waste hazardous under FEDERAL REGULATIONS? () WES (X) No If yes, is the waste () LISTED OF () CHARACTERISTIC? WASTE IS the vaste hazardous under STATE REGULATIONS? () WES (X) No If yes the vaste hazardous under STATE REGULATIONS? () WES (X) No If yes the vaste hazardous under STATE REGULATIONS? () WES (X) No If yes XXTLAIN;	2. ADDRESS: 333 Beverly Rd., Dept. 824C, Blda A2-2	= 160B
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7. FEDERAL/STATE EPA ID No. (If Hazardous): N/A 9000 Northgate Mall, San Rafael, CA 8. WASTE SITE LOCATION: 9. WASTE INFORMATION: 9. WASTE TYPE (common name by which waste is referred): Stockpiled soil containing petroleum hydrocarbons 10. ACCURATE DESCRIPTION OF THE PROCESS WHICH GENERATES THE WASTE: UST Removal activities 11. CONTAMINATION: () GESCLIDE! Diesel Fuel: Jet Fuel! Fuel Oil # (%) Waste Cil(%) Other Used Oil 12. Is the waste hazardous under Federal Reculations? () WES (%) No If yes, is the waste () LISTED or () CHARACTERISTIC? N/A Fhat is the Part Dazardous under STATE REGULATIONS? () YES (%) No II yes ZXPLAIN;	4. CONTACT(S): Bernad the Tarka	\$ 53.//
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	13. Is the wasto bazardous under STACE REGULA	MILONS? () SET () SENOITH
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		(IKITIAL PAGE

14. Is the waste regulated under the FYDERAL TOXIC SUBSTANCES CONTROL ACT (TUSCA)? ()YES (X)NO
15. What is the physical state of the waste at room temperature? (X) SOLID () SZMISOLID (sludge) () LIQUID
16. What will be the minimum percent of solids of the waste? 70 (t)
17. Is the waste (X; HOMOGENEOUS OF () STRATIFIED?
18. Will the waste contain any free standing liquids? () YES () NO
19. Is there any debris (i.e., WOOD, CONCRETE, BRICK, STEEL, PIPE, etc.) in the waste? () YES (X) NO If yes, what is the percentage?(%)
DESCRIPTION:
20. Will the waste be disposed of in (X) BULK() DRUMS() OTHER?
21. Is the disposal of the waste () ONGOING or a (X) ONE-TIME clean-up?
22. What is the approximate volume of waste to be disposed? thirty-two () () TONS (X) YARDS () DRUMS per () DAY () WEEK () NONTH () YR
23. What volume of wasto is consently stockpiled, if any? 32 yards
24. What is the maximum volume of easte which will be disposed in an one day? (Specify TOKS, YARDS, DRUMS, etc.)
TRANSPORTER INFORMATION:
25. KAME: Southwest Soil Remediation, Inc. 26. ADDRESS: 3951 E. Columbia Street 27. CITY/STATE/ZIP: Tucson, AZ 28. CONTACT(S): Bob Bonnert 29. PEONE NO. (602) 571-7174
30. FEDERAL/STATE EFA ID. EO. (If Applicable): 86066729
LABORATORY INFORMATION:
31. NAME: GTEL Environmental Laboratories 32. CONTACT(S): Don Rensner 33. PHONE NO.800-633-7936 34. Is the laboratory certified by the (X)STATE or (;EFA? (X)YES:)NO 35. Please attach a recent (within six months) copy of the analysis conducted from a representative sample of the waste in question.
CERTIFICATION:
I, THE UNDERSIGNED, UNDER PENALTY OF LAW, DO HEREBY CEPTIFY THAT ALL TO INFORMATION ON THIS FORK (INCLUDING ATTACHED DOCUMENTATION AND ANALYTICAL DATA) IS COMPLETE AND FACTUAL AND IS AN ACCURATE REFRESENTATION OF THE WASTON BE DISPOSED.
Bernadine Palka (Signature)
Manager Environmental Engineering DATE: 3/ Man 95
1528



830 N. Miller Road Buokeye, AZ 85326

Phone 602-386-6600 FAX 602-386-5300

ENVIRONMENTAL SERVICES + SOC REMETHATION + REDYCLED PRODUCTS.

GENERATOR CERTIFICATIONS

NON-HAZARDOUS CERTIFICATION

NUN-HALAKDOUS CERTIFICATION
I, the undersigned, under penelty of the law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAM is not a "RCRAM listed hazardous waste as defined in 40 CFR 261 and does not exhibit any of the characteristics of a hazardous waste as defined in 40 CFR 261 of the Toxicity Characteristic Revision Rules as specified in the March 29, 1990, Federal Register; and that I am authorized to execute this document on behalf of:
GENERATOR: Sears Roebuck & Company STORE # 1528
9000 Northgate Mall, San Rafael, CA
SIGNATURE: Burching APoll Manager Envir. Engineering
SIGNATURE: Burnhin APM
HERBICIDE/PESTICIDE/PCB CERTIFICATION I, the undersigned, under penalty of law, do hereby certify that the waste material, from the location below, submitted for acceptance to REMAT does not contain herbicides or pesticides at a concentration which would render it hezardous as defined in "RCRA" 40 CFR 261, and does not contain polychlorinated biphenyls at a level greater than 50 ppm as defined by 40 CFR 261; and that I am authorized to execute this document on behalf of:
GENERATOR: Sears Roebuck & Company STORE # 1528
LOCATION: 9000 Northgate Mall, San Rafael, CA
SIGNATURE Burdin A Poll minis. Manager Envir. Engineering
NAME (Piease Print) Bernadine Palka Dice: 31 // org 95

FAX 602-386-3300



ENVIRONMENTAL SERVICES + BOL REMEDIATION + RECYCLED PRODUCTS

GENERATOR CERTIFICATIONS

U.S.T. EXEMPTION CERTIFICATION

I, the undersigned, under penalty of law, do hereby certify that the waste material (soil), from the location below, was contaminated by a petroleum fuel source regulated under the Federal Underground Storage Tank Rules, 40 CFR part 280; and that I am authorized to execute this document on behalf of:

GENERATOR:	Sears Roe	buck & Compa	ny STORE #1	528		
LOCATION: 9000) Northgate	- Mall. San I	Rafael, CA		Manager Envir.	Engineering
NAME (Picese						
P	ETROLE	IM CONST	TUENT C	ERTIFIC	ATION	
In lieu of su in question of would normal! I submit en contamination contains no o	does not y appear ā certii	contain c in an anal y that I	ysis of un am famil	-used po ier vit dertify	troleum pro th the sour that the	ducts, ce of
soil Contania	narts <u>use</u>	d oil/virqin	oil	-		
GENERATOR:	Sears Ros	buck & Compa	any STORE #	1528		
SIGNATURE:	Burr	li D	Poll	ב זיין די	Manager Envir	. Engineering
RAME (Please	Print)_	Bernadine !	Palka	Date:_	31 May	95

Fire Chief Robert E. Marcucci

November 2, 1999

Ms. Melissa Gossell IT Corporation 757 Arnold Drive, Suite D Martinez, CA 94553-6526

Re: New Landowner Notification and Participation Requirements for Sears, Roebuck & Co. #1528, 9000 Northgate Mall, San Rafael

This letter is to Inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal; 2) a site closure proposal; 3) a local agency intention to make a determination that no further action is required; and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, within twenty calendar days of receipt of this notice, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed list of landowners form (sample letter 2) to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within 20 calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

- consider a cleanup proposal (corrective action plan);
- 2) consider a site closure proposal;
- 3) make a determination that no further action is required;
- 4) issue a closure letter.

Fire Department Offices: 1039 C Street, San Rafael, CA 94901 Administration: (415) 485-3304 Fire Prevention: (415) 485-3308

Fax: (415) 453-1627

Page 2

You may use the enclosed notice of proposed action form (sample letter 3) to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, the local agency will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

Sincerely,

BRADLEY R. MARK Deputy Fire Marshal

BRM:db

BRM/siteclosures/new Lo. not&partreqs-9000 Northgate.doc

November 2, 1999

San Rafael Fire Department 1039 'C' Street San Rafael, CA 94901

RE: Certified List of Record Fee Title Owners for Sears, Roebuck & Co., #1528, 9000 Northgate Mall, San Rafael

Fill out item 1 if there are multiple site landowners. If you are the sole site landowner, skip item 1 and fill out item 2.

1. In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I,

"", (name of primary responsible party) certify that the following is a complete list of current record fee title owners and their mailing address(es) for the above site:

2. In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I, "In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I with Section 25297.15(a) of Chapter 6.7 of the Health & Safety code, I with Section 25297.15(a) of Chapter 6.7 o

Sincerely,

Signature of the primary responsible party

Printed Name of primary responsible party

November 2, 1999

San Rafael Fire Department 1039 'C' Street San Rafael, CA 94901

RE: Notice of Proposed Action Submitted to Local Agency for Sears, Roebuck & Co. #1528, 9000 Northgate Mall, San Rafael

In accordance with Section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party) certify that I have notified all responsible landowners of the enclosed proposed action. Check space for applicable proposed actions(s):

- Cleanup Proposal (corrective action plan)
- Site Closure Proposal
- Local Agency Intention to make a determination that no further action is required.
- Local Agency Intention to Issue a Closure Letter

Sincerely,

Signature of primary responsible party

Name of primary responsible party

cc: Names and addresses of all record fee title owners



Fire Chief Robert E. Marcucci

November 2, 1999

Ms. Melissa Gossell
IT Corporation
757 Arnold Drive, Suite D
Martinez, CA 94553-6526

Re: Request for Site Closure; Sears, Roebuck and Co. #1528, 9000 Northgate Mall, San Rafael

Dear Ms. Gossell:

This department has received your request for site closure at the above referenced location. To adequately assess your site and complete our review, we are requesting submittal of the following missing documentation:

- Laboratory analytical reports of all soil sampling performed in conjunction with the Underground Storage Tank excavations by Blaine Tech Services on March 7, 1985. (IT Stoner Laboratory Nos. 26326, 26327 and 26328);
- Laboratory analytical reports for aerated soll stockpile samples collected by Blaine

 Tech Services on March 25, 1985
- Documentation of the 1987 removal of one 1,000-gallon waste oil underground
 storage tank and two 530-gallon bulk oil underground storage tanks.
- Laboratory analytical reports for underground storage tank closure samples collected in 1987
- Manifests and/or facility weight tags for the transportation of 34 cubic yards of soil by
 Southwest Soil Remediation, Inc. to the Remat thermal processing facility in
 Buckeye, Arizona in 1995.

As your company seems to be acting as the responsible party for this site at this time, enclosed please find Deed Notification forms which must be completed and returned to this Department before we can continue with the site assessment.

Ms. Melissa Gossell

Page 2

Following the Regional Water Quality Control Board and legislative directives, this Department will require a boring to obtain a soil and water sample for MTBE testing.

In addition, a Sensitive Receptor Review report will be needed prior to completing a site closure.

Should you have any questions, please call me at (415) 485-3308.

Sincerely.

BRADLEY R. MARK

Hazardous Materials Coordinator

BRM:db

Fire Chief Robert E. Marcucci

November 16, 1999

Ms. Melissa Gossell IT Corporation 757 Arnold Drive, Suite D Martinez, CA 94553-6526

Re: Review for Closure

Sears, Roebuck & Co. Automotive Center No. 1528 9000;Northgate Mall, San Rafael, California

Dear Ms. Gossell:

The City of San Rafael Fire Department (SRFD) is in the process of reviewing IT Corporation's Request for Closure, Sears, Roebuck and Co. Automotive Center No. 1528, 9000 Northgate Mall, San Rafael, California dated March 23, 1999. The IT Corporation report appears to adequately document the site investigation and remediation activities associated with the removal of the dispenser islands and product lines conducted between November 1994 and May 1995. However, the SRFD file for the subject site is lacking documentation for the site investigation and remediation activities associated with the removal of eight underground storage tanks (USTs) conducted in 1985 and 1987. A list of all documents contained in the SRFD file for the subject site is attached.

The SRFD requests the submittal of missing documentation so that the review for closure can be completed. In particular, submittal of the following documentation is requested:

- Laboratory analytical reports for three soil samples collected from UST excavations by Blaine Tech Services on March 7, 1985 (IT Stoner Laboratory Nos. 26326, 26327 and 26328);
- * Laboratory analytical reports for samples collected by Blaine Tech Services from aerated soil stockpiles on March 25, 1985 (IT Stone Laboratory Nos. unknown);
- Documentation of the 1987 removal of one 1,000-gallon waste oil UST and two 530gallon bulk oil USTs;
- Laboratory analytical reports for UST closure samples collected in 1987 (laboratory unknown); and

Ms. Melissa Gossell

Page 2

- Manifests and/or facility weight tags for the transportation of 34 cubic yards of soil by Southwest Soil Remediation, Inc. to the Remat thermal processing facility in Buckeye, Arizona in 1995.
- ⇒ Before this department can proceed any further with the site closure, the Deed Notification Forms sent to you previously must be completed and reviewed.

Following Regional Water Quality Control Board and Legislative directives, borings will be required to obtain soil and water samples which will then be tested for MTBE. This is now a requirement for site closure.

In addition, a sensitive Recaptor Report will be needed prior to a site closure being completed.

Should you have any questions, please call me at 415-485-3308.

Sincerely,

BRADLEY R. MARK

Hazardous Material Coordinator

List of documents contained in San Rafael Fire Department file for Sears, Roebuck & Co. Automotive Center No. 1528 9000 Northgate Mall, San Rafael, California (listed in chronological order)

- Blaine Tech Services, 1985a, Soil Sampling at Sears Automotive Center, Northgate Shopping Center, Northgate & Los Ranchos, San Rafael, California, on March 7, 1985: March 12;
- Blaine Tech Services, 1985b, Resampling of Aerated Soil at Sears Automotive Center, Northgate Shopping Center, Northgate & Los Ranchos, San Rafael, California, on March 25, 1985; April 8;
- Marin County Environmental Health Services, undated, Application for Temporary Tank Closure (form) submitted to Sears, Roebuck & Co.;
- Sears, Roebuck & Co., 1986a, letter to Marin County Environmental Health Services regarding removal of three remaining USTs: February 20;
- Sears, Roebuck & Co., 1986b, completed Marin County Environmental Health Services application form to remove three USTs, August 4;
- Marin County Environmental Health Services, 1986, Permit to Remove three USTs, August 5;
- Sears, Roebuck & Co., 1986c, letter to Marin County Environmental Health Services requesting an extension of the September 1, 1986 deadline to remove remaining three USTs, August 25;
- Marin County Environmental Health Services, 1987a, Memo to Sears, Roebuck & Co. requesting information on the status of removal of the three remaining USTs: January 13;
- Combustion Engineering, 1987, Letter to Marin County Environmental Health Services regarding laboratory analytical results for one soil sample collected the UST removal at the subject site: February 20;
- Marin County Environmental Health Services, 1987b, Letter of clearance based upon review of submitted UST closure sample analytical results: March 2;
- Fluor Daniel GTI, 1996, Dispenser Island and Product Line Removal Report, Sears Store 1528, 9000 Northgate Mall, San Rafael, California: July 1;
- IT Corporation, 1999, Request for Closure, Sears, Roebuck and Co. Automotive Center No. 1528, 9000 Northgate Mall, San Rafael, California: March 23.

Documents TOR has as of 12/5/2016



October 15, 2002

Captain Bradley R. Mark, Deputy Fire Marshal City of San Rafael Fire Department 1039 C Street San Rafael, California 94901

Subject:

Sears, Roebuck and Co. Automotive Center No. 1528

9000 Northgate Mall San Rafael, California

Dear Captain Mark:

On behalf of Sears, Roebuck and Co. (Sears), URS Corporation (URS) is responding to comments made regarding the subject site in correspondence from the San Rafael Fire Department (SRFD) dated November 16, 1999. The letter requested that Sears submit specific historical site documents so that the review for site closure could be completed by the SRFD. Copies of the following documents are attached for your files (the SRFD document request is in bold type, the URS comment follows in italics):

Documentation of the 1987 removal of one 1,000-gallon waste oil UST and two 530-gallon bulk oil **USTs**

A copy of the document is presented in Attachment 1. (Note: the two smaller bulk oil USTs were 500gallons capacity rather than 530-gallon capacity.)

Laboratory analytical reports for UST closure samples collected in 1987 (laboratory unknown)

A copy of the laboratory analytical report was not found However, a copy of the Clearance document from the Department of Health and Human Services, Environmental Health Services, County of Marin, dated March 2, 1987, is presented in Attachment 2.

Manifests and/or facility weight tags for the transportation of 34 cubic yards of soil by Southwest Soil Remediation, Inc. to Remat thermal processing facility in Buckeye, Arizona in 1995.

A copy of the Waste Manifest document, dated August 1995, is presented in Attachment 3.

As per our telephone discussion on August 14, 2002, Sears has checked their files for the remaining two historical site documents requested in the SRFD letter (laboratory analytical reports dated March 7, 1985 and March 25, 1985) and have not located them. To date, Sears has researched its files and has found what it could to respond to all requests made by the SRFD for additional historical information regarding the 1985 and 1987 removal activities conducted at the subject site. It must be understood that there was no requirement for Sears to retain historical documents for these removal activities since Sears had received site closure for these activities from the County of Marin.

The November 16, 1999 SRFD letter also requested that Sears provide a sensitive receptor report for the subject site as an additional requirement for site closure. A copy of the EDR - Offsite Receptor Report for the subject site, dated November 12, 1999, is provided in Attachment 4

URS Corporation 500 12th Street. Suite 200 Oakland. CA 94607-4014 Tel: 510.893.3600

Fax: 510 874.3268



Captain Mark October 15, 2002 Page 2

Please note that in the first paragraph of the November 16, 1999 SRFD letter it states that "are mediation activities associated with the removal of eight underground storage tanks (USTs)..." For the record, there were a total of five (5) underground storage tanks located at the subject site: two (2) gasoline tanks, one (1) waste oil tank, and two (2) bulk motor oil tanks.

Please provide a copy of the Deed Notification Form so that Sears can complete and return them. It is understood that this form must be completed prior to obtaining site closure.

As requested by the SRFD, a Work Plan is presently being written which will address the requirement of additional soil and groundwater sampling and analysis for Methyl tertiary butyl ether (MTBE) at the subject site. Please note that URS is the new consultant of record for Sears regarding this site. If you have any questions, please do not hesitate to contact me at 510-874-3101.

Sincerely,

URS CORPORATION

David A. Bero, P.G., R.C

Serior Geologist

cc: Scott DeMuth, Manager, Environmental Technical Services, Sears, Roebuck and Co. URS Corporation Project Files

Attachments:

- 1. Application to Remove Underground Hazardous Material Storage Tank
- 2 Clearance document, Department of Health and Human Services, Environmental Health Services, County of Marin, dated March 2, 1987
- 3. Waste Manifest dated August 1995
- 4 EDR Offsite Receptor Report dated November 1999

ATTACHMENT 1
Application to Remove Underground Hazardous Material Storage Tank

UNMENTAL HEALTH SERVICES

COUNTY OF MARIN

HALL OF JUSTICE

CIVIC CENTER
ROOM 286 !
SAN RAFAEL, CALIFORNIA 94903

(415) 499-6907

RECEIVED

AUG 5 1986 #464035

APPLICATION TO REMOVE UNDERGROUND HAZARDOUS MATERIAL STORAGE TANKRONMENTAL HEALTH

1. Facility Information		· · · · · · · · · · · · · · · · · · ·	JE IMIK		86
Name of Facility SEARS		Type of Busines		ф O	1
Street Address	City		Zip Code	Telepho	-IL SAles
9000 NORTHGATE MALL	SANRA		94 903	3 4	72-3670
Mid AUGUST 198	L	1 4	n Company Tytkal C	enisti	Telephone (805) 498-6771
Owners Name (Corporation, Agency, or Individual) SEARS & ROEBUCK COMPAN'	4	F	ELD OPE	1241/57/ 1247/6N	5
900 S, FREMONT AVE.	Alham	haa	Zo Code	Telepho	. !
2. Contractor Removing Tank	<u> </u>	10/4	91802	- 1/8/18	1)576-4225
Company Name	Street Address		City	Telepho	1 4
K.E. CURTIS CONSTRUCTION COMP.	1400 OIL Co	Neso Rd	NewburyT	AAK (805	499-0428
3. Soil Analysis Laboratory	,		U a	A	õ
COMBUSTION ENGINEERING EMST	Street Address	N	City	Telephor	10
()	JC421 W. Hill	creed DK	Newburzy F	ACK (805 CA.	998-6771
Hazardous Waste Hauler (if appropriate) Company Name	I A				
IT CORP.	4 585 PA	ch eco	MARTON)	7 (4)	5)372-911
5. Tank Identification & Construction		***************************************	1101000		
Tath 9 2 9002 UL . Year Tank Installed	Volume of Tank (C	-	Cathoo	ic Protection	
2929001 - NA - 1972	2-500) , 1-	1000 XN	o ¹⊒ Yes, Ty	ре
	/Coated Steel	Other:	SINGLE	= WA	10
5. Chemical Composition of Materials Currently or Previous	usly Stored in Ta	ank			
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7. Piping		**************************************			
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t/Chack\ appropriate hau/>1	Concrete-lined tr	ench 🗆 📾	Gravity 🛘 04	Pressure	□ os Suction
B. Disposition of Tank(s)		***************************************			
Proposed Disposition of Tank(s)		Reason for F	lemoval		
IT WILL REHOVE RINSE & FANK	SCRAPED			HAT SA	les busines
9. Applicant Information				· —	
	To A L L	1:	`	Date	Inlar

ATTACHMENT 2 Clearance document, Department of Health and Human Services, Environmental Health Services, County of Marin, dated March 2, 1987

R-850 = =

DEPARTMENT OF HEALTH AND HUMAN SERVICES Environmental Health Services

COUNTY OF MARIN

Hall of Justice • Civic Center • San Rafael, CA 94903
(415) 499-6907

DATE: March 2, 1987

TO:

Attn: Donald Woods
Sears & Roebuck Company

Merchandise Group-Western Law Office

900 South Fremont Ave.

Alhambra, CA 91802

RZ: San Rafael Store

900 Northgate Mall

San Rafael, CA 94903

CLEARANCE

Analysis of samples of the soil or ground water at the above site indicated a safe level or absence of any residual of the product formerly stored in underground storage tanks at this location.

Thank you for your cooperation.

very truly yours,

EDMARD J. STEWART, CHIEF ENVIRONMENTAL HEALTH SERVICES ATTACHMENT 3
Laboratory analytical reports for UST closure samples collected in 1987

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ATTACHMENT 4
EDR – Offsite Receptor Report dated November 1999



EDR - Offsite Receptor Report

Sears Auto Center 9000 Northgate Drive San Rafael, CA 94903

Inquiry Number: 432527.1s

November 12, 1999

The Source For Environmental Risk Management Data

3530 Post Road Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050 Fax: 1-800-231-6802 Internet: www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	2
Census Map	3
Census Findings	4
Receptor Map	5
Map Findings	6
Records Searched/Data Currency Tracking Addendum	9

Thank you for your business Please contact EDR at 1-800-352-0050 with any questions or comments.

Disclaimer and Other Information

This Report contains information obtained from a variety of public and other sources and Environmental Data Resources, Inc. (EDR) makes no representation or warranty regarding the accuracy, reliability, quality, suitability, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report.

NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, EXPRESSED OR IMPLIED, SHALL APPLY AND EDR SPECIFICALLY DISCLAIMS THE MAKING OF SUCH WARRANTIES. IN NO EVENT SHALL EDR BE LIABLE TO ANYONE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES. COPYRIGHT (C) 1998 BY ENVIRONMENTAL DATA RESOURCES, INC. ALL RIGHTS RESERVED.

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EXECUTIVE SUMMARY

A search of available records was conducted by Environmental Data Resources, Inc. (EDR) The EDR Offsite Receptor Report provides information which may be used to comply with the Clean Air Act Risk Management Program 112-R "The rule requires that you estimate in the RMP residential populations within the circle defined by the endpoint for your worst-case and alternative release scenarios (i.e. the center of the circle is the point of release and the radius is the distance to the endpoint). In addition, you must report in the RMP whether certain types of public receptors and environmental receptors are within the circles."

The address of the subject property, for which the search was intended, is:

SEARS AUTO CENTER 9000 NORTHGATE DRIVE SAN RAFAEL, CA 94903

Distance Searched: 1.000 miles from subject property

RECEPTOR SUMMARY

An X indicates the presence of the receptor within the search radius.

Residential Population

Estimated population within search radius: 6777 persons

Other Public Receptors

Ottier Fublic nece	prors	
Туре	Within Search Radius	Sites Total
Day Care Centers: Medical Centers: Nursing Homes: Schools: Hospitals: Arena: Prison:		6 4 10
Environmental Re	ceptors	
Туре	Within Search Radius	Sites Total
Federal Land:		

CENSUS MAP - 432527.1s K t 2

TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP: LAT/LONG:

Target Property

Roads Waterways Census Tracts

> Sears Auto Center 9000 Northgate Drive San Rafael CA 94903 38.0040 / 122.5437

t 6

CUSTOMER: CONTACT: INQUIRY #: DATE: IT Corporation David Bero 432527.1s

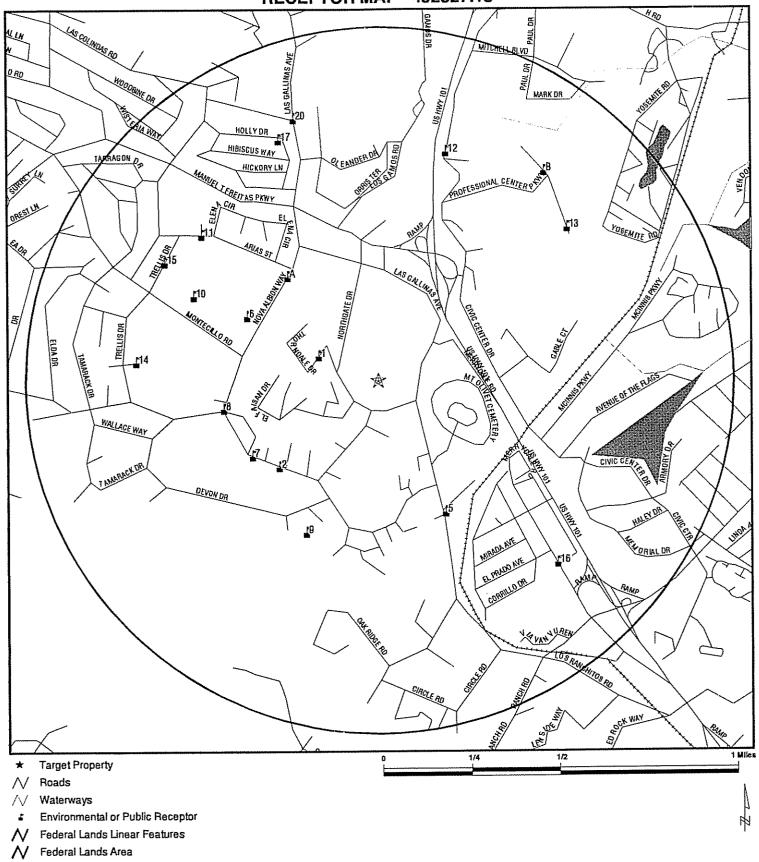
November 12, 1999 4:54 pm

1 Miles

CENSUS FINDINGS

Map ID	Tract Number	Total Population	Population in Radius	Total Area(sq.mi.)	Area in Radius(sq mi.)
T1	1060.01	2598	75 3	17.09	0 50
T2	1150.00	6817	16.2	4 30	0 01
T3	1081 00	6566	1265.1	2 33	0 45
T4	1060 02	4773	1923	9.61	0.39
T5	1082 00	5606	5034 2	1.93	1 74
T6	1090.00	7358	193 8	1 79	0 05

RECEPTOR MAP - 432527.1s



TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP: LAT/LONG: Sears Auto Center 9000 Northgate Drive San Rafael CA 94903 38.0040 / 122.5437 CUSTOMER: CONTACT: INQUIRY #: IT Corporation David Bero 432527.1s

DATE: November 12, 1999 4:56 pm

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site		EDR ID Database
1 WNW 1/8-1/4 mi 972 Higher	Name: ID: Site Type:	Villa Marin Health cAre 15298 Nursing home	NUR1004726 NURHOM
2 SW 1/4-1/2 mi 1971 Higher	Name: ID: Site Type:	TERRA LINDA NURSERY SCHOOL 210106082 Daycare ctr	DAY1036110 DAYCARE
A3 NW 1/4-1/2 mi 2071 Higher	Name: ID: Site Type:	CITY OF SAN RAFAEL/VALLECITO SCHOOL AGE 210110892 Daycare ctr	DAY1036086 DAYCARE
A4 NW 1/4-1/2 mi 2077 Higher	Name: NCES ID: Address: School ID: Telephone: Local Code: School Type: School Level County: Lowest Grade Highest Grade	: Primary MARIN e: Kindergarten	061122008822 CCD
5 SSE 1/4-1/2 mi 2196 Higher	Name: ID: Site Type: Latitude: Longitude:	Hartzell School 224985 school 37.99900 -122.50000	GNS0189412 GNIS_SCH
6 WNW 1/4-1/2 mi 2199 Higher	Name: ID: Site Type: Latitude: Longitude:	Vallecito School 236960 school 38.00700 -122.60000	GNS0237219 GNIS_SCH

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site		EDR ID Database
7 WSW 1/4-1/2 mi 2204 Higher	Name: TERRA LINDA HIGH NCES ID: 063511005941 Address: 320 NOVA ALBION W SAN RAFAEL, CA 949 School ID: 7835 Telephone: 415-485-2370 Local Code: Urban Fringe of Large School Type: Regular Elementary ar School Level: High County: MARIN Lowest Grade: 09 Highest Grade: 12	903 City	063511005941 CCD
8 West 1/4-1/2 mi 2364 Higher	Name: Nazareth House ID: 15302 Site Type: Nursing home		NUR1004728 NURHOM
9 SSW 1/4-1/2 mi 2513 Higher	Name: Nova Albion School ID: 229799 Site Type: school Latitude: 37.99800 Longitude: -122.50000		GNS0211561 GNIS_SCH
10 WNW 1/2-1 mi 3052 Higher	Name: Don Timoteo School ID: 222491 Site Type: school Latitude: 38.00800 Longitude: -122.60000		GNS0178194 GNIS_SCH
11 NW 1/2-1 mi 3432 Higher	Name: ST ISABELLA SCHOO ID: 1032 Site Type: Private sch.	DL	PRV1005620 PRV_SCH
12 NNE 1/2-1 mi 3563 Higher	Name: MONTESSORI IN MO ID: 210111602 Site Type: Daycare ctr	DTION	DAY1036075 DAYCARE
13 NE 1/2-1 mi 3623 Higher	Name: TWIN OAKS CHILDR ID: 213000472 Site Type: Daycare ctr	EN'S CENTER-PRESCHOOL	DAY1036082 DAYCARE

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site		EDR ID Database
14 West 1/2-1 mi 3637 Higher	Name: ID: Site Type:	ROBIN'S NEST OF TERRA LINDA 210108299 Daycare ctr	DAY1036101 DAYCARE
15 WNW 1/2-1 mi 3663 Higher	Name: ID: Site Type:	ST MARK S SCHOOL 1033 Private sch	PRV1005621 PRV_SCH
16 SE 1/2-1 mi 3807 Higher	Name: ID: Site Type:	MERRY TIMES PRESCHOOL ACADEMY 210111422 Daycare ctr	DAY1036128 DAYCARE
17 NNW 1/2-1 mi 3897 Higher	Name: ID: Site Type: Latitude: Longitude:	Hoffman School 225386 school 38.01400 -122.50000	GNS0191085 GNIS_SCH
B18 NE 1/2-1 mi 3983 Higher	Name: ID; Site Type:	Pine Ridge Care Center 15304 Nursing home	NUR1004722 NURHOM
B19 NE 1/2-1 mi 3990 Higher	Name: ID: Site Type:	Hillside Care Center 15301 Nursing home	NUR1004721 NURHOM
20 NNW 1/2-1 mi 4113 Higher	Name: NCES ID: Address: School ID: Telephone: Local Code: School Type: School Level: County: Lowest Grade	High MARIN e: 08	069101809230 CCD

RECORDS SEARCHED/DATA CURRENCY TRACKING

CENSUS

Source: U.S. Census Bureau Telephone: 301-457-4100

1990 U.S. Census data was used to estimate residential population following these EPA guidelines: "Census data are presented by Census tract. If your circle covers only a portion of the tract, you should develop an estimate for that portion. Determine the population density per square mile (total population of the Census tract divided by the number of square miles in the tract) and apply that density figure to the number of square miles within your circle."

FED LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal lands data. Includes data from several Federal land manangement agencies, including Fish and Wildlife Service, Bureau of Land Management, National Park Service, and Forest Service. Includes National Parks, Forests, Monuments;

Wildlife Sanctuaries, Preserves, Refuges; Federal Wilderness Areas

Date of government version: 09/09/97

HCFA: Provider of Services Listing

Source: The Health Care Financing Administration

Telephone: 410/786-3000

A listing of hospitals with Medicare provider number, produced by The Health Care Financing Administration

(HCFA), a federal agency within the U.S. Department of Health and Human Services.

HCFA runs the Medicare and Medicaid programs

Date of government version: 06/01/98.

CCD: Common Core of Data

Source: National Center for Education Statistics

555 New Jersey Avenue NW Washington, DC 20208-5651

The Common Core of Data (CCD) is the National Center for Education Statistics' primary database on elementary and secondary public education in the United States CCD is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Date of government version: 1995-96.

GNIS: Geographic Names Information System

Source: USGS

Telephone: 703-648-5094

The Geographic Names Information System (GNIS), developed by the USGS in cooperation with the U.S. Board on Geographic Names (BGN), contains information about almost 2 million physical and cultural geographic features in the United States. The GNIS is our Nation's official repository of domestic geographic names information. Date of government version: 03/01/98.

PRV_SCH: Private Schools

EDR indicates the location of buildings and facilities - private schools - where individuals who are public receptors are likely to be located

DAYCARE: Daycare Centers

EDR indicates the location of buildings and facilities - daycare centers - where individuals who are public receptors are likely to be located.

MEDCEN: Medical Centers

EDR indicates the location of buildings and facilities - medical centers - where individuals who are public receptors are likely to be located.

NURSING: Nursing Homes

EDR indicates the location of buildings and facilities - nursing homes - where individuals who are public receptors are likely to be located

ARENA: Arenas

EDR indicates the location of buildings and facilities - arenas - where individuals who are public receptors are likely to be located.

PRISON: Prisons

EDR indicates the location of buildings and facilities - prisons - where individuals who are public receptors are likely to be located.

BOP: Bureau of Prisons Facilities

Source: Federal Bureau of Prisons

List of facilities operated by the Federal Bureau of Prisons.

Date of government version: 07/01/98.



Tel: 510 899-7000 Fax: 510 547-1983

March 13, 2008

Mr. Tae Kim Macerich Management Company 401 Wilshire Boulevard, Suite 700 Santa Monica, CA 90401

RE: Hazardous Materials Survey

The Mall at Northgate San Rafael, California

Dear Mr. Kim:

RGA Environmental, Inc. (RGA) conducted a hazardous materials survey at The Mall at Northgate located in San Rafael, California. Remington Caldwell and Max Jakovleski, with RGA conducted the survey between July 27, 2007 and August 15, 2007.

Over the course of the survey, approximately six (6) suspect PCB transformers were observed in the catwalks of the mall. No other suspect PCB transformers were observed in the common areas or tenant spaces of the mall. Additionally, RGA observed no fluorescent light fixtures with PCB light ballasts. Mall maintenance personnel had informed RGA that fluorescent light tubes with PCB ballasts are non-existent, and that light fixtures throughout the mall were replaced during a 2000-2001 retrofit. To supplement this claim RGA noted that newer, non-PCB fluorescent light fixtures were observed functioning in rarely accessed and unoccupied spaces within the mall. A total of 450 fluorescent light tubes were inventoried at the time of the survey.

In addition, RGA collected four (4) painted surface samples. Table I below provides a summary of the results of the lead paint samples. The paint samples were submitted and analyzed for total lead by LA Testing in South Pasadena, California. LA Testing is accredited by the American Industrial Hygiene Association's (AIHA's) Environmental Lead Laboratory Accreditation Program (ELLAP) for the analysis of lead in paint chips, dust wipes, and/or soil. All of the paint samples were analyzed for lead content by Flame Atomic Absorption spectroscopy (FLAA) in accordance to EPA Method SW846-7420. Lead content was reported in all of the samples.

Table I Lead in Paint Sample Results

Sample No.	Location	Description	Result (ppm)
257580	South Catwalk	Red Paint on Steel	340,000
257567	East Catwalk	Brown Paint on Steel	250,000
259087	Archives	Orange Paint on Steel	420,000
257579	Electrical Utility Boxes	Gray Paint on Steel	5,800

ppm - parts per million

During the survey, RGA attempted to inventory potentially hazardous chemicals in mall common areas, accessible tenant spaces, maintenance closets and unoccupied units. RGA determined that chemicals in quantities greater than 0.5 gallons were not present in all the aforementioned areas. Generally, maintenance personnel use the majority of potentially hazardous chemicals located on site in a janitorial capacity. RGA contacted Edwin Acosta, Assistant Facilities Manager of SMS Maintenance, the janitorial services contractor for the mall. RGA was informed by SMS that the primary chemical storage is located under the southwest covered parking lot, external to the area covered under RGA's survey. Based on Mr. Acosta's assessment, it is RGA's understanding that the following chemicals are present in the approximate amounts in SMS maintenance's storage area: five (5) gallons of gasoline, one (1) quart glass cleaner, seven (7) gallons of paint, one (1) gallon of acetone, two (2) pounds all-purpose fiberglass resin, and eight (8) 8.5 ounce bottles of graffiti remover.

The results of this report and the opinions expressed are based upon visual observations of the property and scope of services described herein. Some of the observations and information have been provided by the client's representative and serve as a basis for this report.

RGA appreciates this opportunity to provide our environmental consulting services. If you have any questions or need additional information, please feel free to call me at 510-899-7012.

Respectfully,

RGA Environmental, Inc.

Tedd Kattchee Project Manager

Attachments: Laboratory reports and chain-of-custody forms



LA Testing

159 Pasadena Avenue, South Pasadena, CA 91030

Fax: (323) 254-9982 Email: pasadenalab@latesting.com Phone: (323) 254-9960



Attn: T. Kattchee

RGA Environmental, Inc. **1466 66th Street**

Mall @ Northgate/Macer 17031

Emeryville, CA 94608

Fax: Project: (510) 899-7063

Phone: (510) 899-7000

LA Testing Proj:

LA Testing Order:

Customer ID:

Customer PO:

Received:

Report Date:

8/22/2007

32RGAE72

320709593

08/20/07 4:00 PM

Total Threshold Limit Concentration

Client Sample Description	Lab ID	Collected	Analyzed	Lead Concentration
257580	0001	8/1/2007	8/21/2007	340000 ppm
S	Catwalks			
257567	0002	8/1/2007	8/21/2007	250000 ppm
Ε	Catwalks			
259087	0003	8/1/2007	8/21/2007	420000 ppm
Ar	chives			
257579	0004	8/1/2007	8/21/2007	5800 ppm
El	ectrical Utilit	y Boxes		•

Derrick Tanner, Laboratory Manager or other approved signatory

This report relates only to those items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Date Printed: 8/22/2007 7:47:52 AM



ENVIRONMENTAL

PM - S. Steiner steff@rgaenv.com fax: 510.899.7051

Received By:

PM - K. Schroeter karin@rgaenv.com fax: 510.899.7063

YPM - T. Kattchee

_PM - K. Pilgrim ken@rqaenv.com fax: 510.899.7053

__PM - B. Gils

LEAD PAINT SAMPLE DATA SHEET

Date/Time:

* Lead Analysis
- Flame AA (EPA 7420)

PM - B. Weisbrode brent.weisbrode fax: 510.899.70	orgaenv.com tedd@rgaenv.com bob@rgaenv	v.com	
	dress: Mall@Northgate	PO #	
RGA Project #: /	MACER 17031 San	mpled By: M. Jakovle 3/4' Sampling Date: 8/1/	&F
Sample(s) Sent T	o: XEMSLOther:	TAT:Rush24Hrs23-5]	Days
	<u>-MAIL REPORT TO</u> : SEE ABOVE PRO NAL REPORT RECIPIENT(S):		**
ADDITIO	VALUET ORT RECTILIANT(O):		
Sample ID	Paint Description and Sample Locat	tion Peel Qua	ing ntity
Z5758Q	Paint Color: Ren Substrate: S	TEEL Composite Sample: Y /N	
20,000	Sample Location: SOUTH CATWAL	LKS	
257567	Paint Color: BROWN Substrate: S	· ·	
23/367	Sample Location:	AST CATWALKS	The second second
259087		STEEL Composite Sample: Y / N	The second pull beautiful
271487	Sample Location: ARCHIVES		
747576	1	STEEL Composite Sample: Y N	
257579	Sample Location: ELECTRICAL UTI	LITY BOXES	
	Paint Color: Substrate:	Composite Sample: Y / N	
	Sample Location:		
	Paint Color: Substrate:	Composite Sample: Y / N	
	Sample Location:		
	Paint Color: Substrate:	Composite Sample: Y / N	
	Sample Location:		
Relinquished I	By: M. Tukevlesk - Signatur	re: Pate/Time: 8/17/8	7 16
Received By: _	Ny P.B. Noch Signatu	ure: Date/Time: 8 20 07 @	<u>9:30</u> a
Relinquished 1	By: My D.B. Lock Signatu	ure: Date/Time: 8 20 07 C	<u>, 4:09</u> 1

Signature:

5900 Hollis Street, Suite A, Emeryville, California 94608 Telephone: 510·420·0700 Facsimile: 510·420·9170

www.CRAworld.com

August 6, 2008

Mr. Ralph Lambert Regional Water Quality Control Board – San Francisco Bay Region (RWQCB-SFBR) 1515 Clay St., Suite 1400 Oakland, CA 94612

Re:

Second Quarter 2008 Groundwater Monitoring Report

Chevron Service Station #9-3553 949 Del Presidio Boulevard San Rafael, California RWQCB File #21-0166

Dear Mr. Lambert:

On behalf of Chevron Environmental Management Company (Chevron), Conestoga-Rovers & Associates (CRA) is submitting this Second Quarter 2008 Groundwater Monitoring Report for the referenced site. Groundwater monitoring data was collected on June 10, 2008 by Gettler-Ryan Inc. (G-R) of Dublin, California. As requested in RWQCB Minimum Reporting Requirement memorandum dated March 26, 2007, detailed below are a brief site history and background, a description of current quarterly monitoring activities, conclusions and anticipated future activities.

SITE BACKGROUND

Site Description

The site is currently operated as an active Chevron service station, owned by Chevron USA, located on the southwest corner of the intersection of Del Presidio Boulevard and Freitas Parkway in San Rafael, California (Figure 1). Site facilities include a kiosk, five dispenser islands and four 10,000-gallon underground storage tanks (USTs) dispensing multi-grade gasoline and diesel. According to Chevron's records, in 1983 the station was constructed in its current configuration with three 10,000-gallon USTs. No records of site development prior to 1983 are available. One additional 10,000-gallon UST was installed in 1987. The site is bordered by commercial properties, including a Union 76-branded service station to the southwest, a Shell service station to the east, a Valero service station (formerly Exxon) to the south/southeast and a commercial building above an open air parking garage to the northwest. Freitas Parkway is immediately north of the site (Figure 2). The Shell and Union 76 stations have open and active RWQCB cases. In May 2008, site closure was requested at the Valero Station by Groundwater & Environmental Services, Inc. of Concord, California. Valero wells are no longer being sampled.



Site Geology and Hydrogeology

Soils beneath the site consist primarily of silt, gravelly silt, clayey sand, clayey sand with gravel and sandy clay to the total explored depth of 25 feet below grade (fbg). Depth to groundwater beneath the site has ranged from 5.3 fbg to approximately 12 fbg since monitoring began in 1998. Groundwater elevations measured in on-site wells have produced a calculated gradient varying from north-northwest to west. Groundwater elevation data from adjacent properties indicate a westerly to south-westerly gradient, with a groundwater elevation high at the Shell station (CRA Figure 3).

Investigation Summary

1997 Unauthorized Release: In September 1997, in preparation for installation of site upgrades, Chevron collected a groundwater sample from a tankfield backfill well piezometer. The groundwater sample contained concentrations of 560 micrograms per liter (μ g/L) benzene and 100,000 μ g/L methyl-tert butyl ether (MTBE). Details are reported in the Unauthorized Release – Follow-up, Form Submittal submitted to the San Rafael Fire Department on September 18, 1997.

1997 Pump Island and Piping Removal, Replacement and Limited Excavation: In October 1997, on behalf of Chevron, Town and Country Contractors of Sacramento conducted fuel dispenser upgrade activities including dispenser and associated product piping removal and replacement and the excavation of approximately 75-cubic yards of soil and pea gravel. Compliance soil samples collected by Touchstone Developments (Touchstone) during excavation activities contained only minor concentrations of petroleum hydrocarbons. The excavated soil was disposed of at Redwood Landfill in Novato, California. Details of these activities are reported in Touchstone Development's October 31, 1997 Product Piping/Dispenser Replacement and Sampling Report.

1998 Monitoring Well Installation and Limited Subsurface Investigation: In March 1998, on behalf of Chevron, Gettler-Ryan (G-R) of Dublin, California advanced soil borings MW-1 through MW-4 to 19 fbg and boring B1 to 15 fbg, converting borings MW-1 through MW-4 into groundwater monitoring wells. Soil samples collected contained maximum concentrations of 91 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as diesel (TPHd) in MW-4 at 15.5 fbg, 3.8 mg/kg total petroleum hydrocarbons as gasoline (TPHg) in MW-3 at 9 fbg, 0.15 mg/kg benzene and 0.57 mg/kg MTBE in MW-3 at 4.5 fbg, and 100 mg/kg chromium at 5 fbg in boring B-1. TPHg was detected groundwater samples from MW-2 at a maximum concentration of 3,700 μg/L. TPHd was detected in all wells at concentrations ranging from 1,200 to 2,800 μg/L. Benzene and MTBE were detected in all wells at maximum concentrations of 510 μg/L and 33,000 μg/L, respectively. Details of these activities are reported in Gettler-Ryan's August 6, 1998 Limited Subsurface Investigation Report.

2007 Monitoring Well Installation and Subsurface Investigation: In August 2007, on behalf of Chevron, CRA advanced on-site borings MW-5 and MW-6 to 20 fbg and SB-1 through SB-3 to a maximum depth of 25 fbg,



converting borings MW-5 and MW-6 into groundwater monitoring wells. SB-3 was advanced near boring B-1 (1998) at the location of the former used-oil tank pit. Soil samples collected contained maximum concentrations of 480 mg/kg TPHg in SB-1 at 11 fbg and 73 mg/kg TPHd in SB-3 at 10 fbg. Chromium was detected in SB-3 at a concentration of 146 mg/kg at 5 fbg in soil and at a concentration of 8,330 μ g/L in groundwater. Grabgroundwater samples collected from SB-3 contained the highest detections of hydrocarbon concentrations: 21,000 μ g/L TPHg, 250,000 μ g/L TPHd, 730 μ g/L benzene and 1,300 μ g/L MTBE. TBA was reported up to 1,300 μ g/L in a grab-groundwater sample from SB-2. CRA recommended the installation of an off-site downgradient well and continued quarterly monitoring and sampling of the newly installed monitoring wells. More information is available in CRA's September 13, 2007 Subsurface Investigation Report.

2008 Monitoring Well Installation and Subsurface Investigation: In April 2008, in response to RWQCB requests, CRA, on behalf of Chevron, installed on-site monitoring well MW-7 to 21.5 fbg. Maximum hydrocarbon concentrations detected in soil were 200 mg/kg TPHg and 190 mg/kg TPHd. Hydrocarbon concentrations reported in grab-groundwater samples from well MW-7 included 4,800 μg/L TPHg, 2,300 μg/L TPHd, 170 ug/L benzene, 160 ug/L MTBE, and 33.5 ug/L chromium. CRA recommended scheduling of concurrent groundwater monitoring at the nearby Shell, Valero and Union 76 stations. A complete description of findings is available in CRA's May 16, 2008 Well Installation and First Quarter 2008 Groundwater Monitoring Report.

CURRENT QUARTER ACTIVITIES

Groundwater Monitoring and Sampling Results

Groundwater Monitoring: G-R gauged and sampled Chevron wells MW-1 though MW-7 on June 10, 2008. Concurrent groundwater gauging data was collected from the Shell, Valero, and 76 stations on June 10, 2008. On-site groundwater elevations ranged from 16.26 ft above mean sea level (msl) in MW-6 to 21.04 ft above msl in MW-5. Well construction details and groundwater elevation are presented in Attachment A. Comparing the groundwater elevations of all sites, the elevation ranged from 16.26 ft above msl at Chevron well MW-6 to 27.86 ft above msl in Shell well MW-4. Using site groundwater monitoring data from all four sites, groundwater flow direction on-site was calculated towards the northwest at a gradient varying from 0.01 to 0.07 feet per feet (ft/ft) (June 10, 2008). GR's Groundwater Monitoring and Sampling Report – Second Quarter Event of June 10, 2008 is presented as Attachment B. Results of groundwater sampling are presented below.

TPHg Analytical Results: TPHg was detected in all site wells at concentrations ranging from 61 μ g/L in well MW-5 to 6,000 μ g/L in MW-3. TPHg concentrations generally decreased in wells MW-1, MW-3 and MW-4 in comparison to the previous quarter and are generally consistent with previous results in the other site wells. The observed concentrations are within historical ranges and are consistent with seasonal fluctuations.



TPHd Analytical Results: TPHd was detected in all site wells at concentrations ranging from 63 μ g/L in well MW-5 to 2,000 μ g/L in MW-3. TPHd concentrations are generally consistent with the previous quarter results and were within historical ranges.

Benzene Analytical Results: No benzene concentrations were detected during this sampling event in wells MW-4, MW-5, and MW-6. Benzene was detected in wells MW-1, MW-2, MW-3 and MW-7 at concentrations ranging from 1 μ g/L in MW-1 to 330 μ g/L in well MW-3. These concentrations are within historical ranges and are consistent with seasonal fluctuations.

Oxygenate Analytical Results: MTBE was detected in all site wells at concentrations ranging from 5 μ g/L in well MW-5 to 560 μ g/L in well MW-3. TBA was detected in all site wells at concentrations ranging from 130 μ g/L in well MW-5 to 6,900 μ g/L in MW-3. The concentrations of TBA and MTBE are within historical ranges and are consistent with seasonal fluctuations

Conclusions of Quarterly Activities

Plume definition: The extent of dissolved hydrocarbons, whether originating from Chevron, Shell, Valero, Union 76 or a commingling of all four, has been defined to relatively low concentrations to the north by MW-5 and MW-6, except for MTBE, to the east by boring SB-1, to the southeast and south by Valero wells EA-9 and EA-10, to the southwest by Valero wells EA-9 and EA-11, and to the west by MW-1. The site is not fully defined to the northwest of the Chevron site (CRA Figure 4). Isoconcentration maps are presented as G-R Figures 2 through 4 in Attachment B.

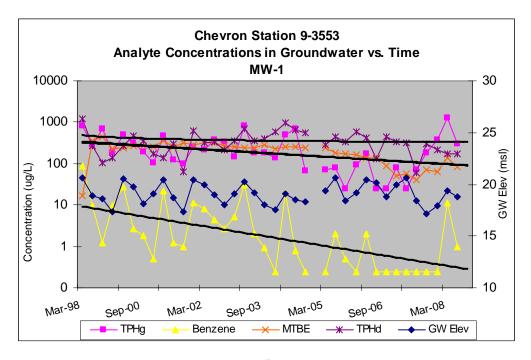
Environmental Screening Levels: CRA compared hydrocarbon concentrations in groundwater with ESLs where groundwater is a potential source of drinking water for commercial/industrial land use¹. The following table compares hydrocarbon concentrations where groundwater is a current or potential source of drinking water to dissolved phase concentrations from this event.

¹ ESL from Table F-1a: ESLs – Water is a current or potential source of drinking water, Chapter 4 of Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater prepared by the California Regional Water Quality Control Board San Francisco Bay Region, Interim final dated November 2007 (revised May 2008).

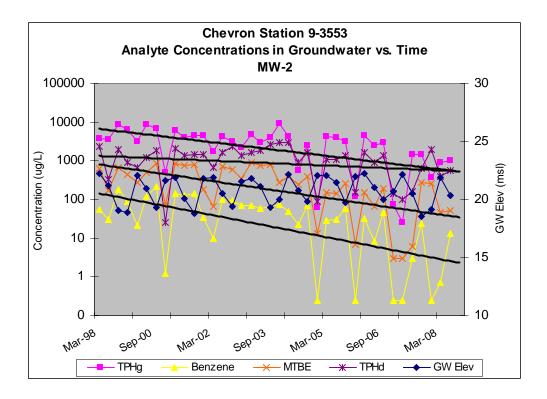
Table A: Summary of Environmental Screening Levels										
Ground	Groundwater IS a Current or Potential Source of Drinking Water Commercial/Industrial Land Use									
	TPHd	TPHg	Benzene	Toluene	Ethyl- benzene	Xylenes	MTBE	TBA		
MW-1	170	300	1	.25	< 0.5	< 0.5	82	200		
MW-2	550	1,000	13	3	2	3	53	180		
MW-3	2,000	6,000	330	3	76	11	560	6,900		
MW-4	800	2,600	< 0.5	1	< 0.5	0.8	14	470		
MW-5	63	61	< 0.5	< 0.5	< 0.5	< 0.5	5	130		
MW-6	77	68	< 0.5	< 0.5	< 0.5	< 0.5	550	570		
MW-7	1,400	3,200	200	3	130	11	330	210		
ESLs for Ground	100	100	1.0	40	30	20	5	-		
water (µg/l)										

TPHd and TPHg concentrations are defined by wells MW-5 and MW-6 to the north, but remain at concentrations above ESLs in wells MW-2, MW-3, MW-4 and MW-7. MTBE is highest in source area well MW-3 and crossgradient well MW-6.

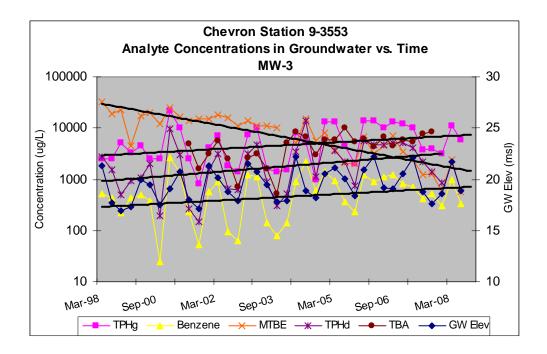
Concentration Trends: Historical and current concentration trends for TPHd, TPHg, benzene and MTBE in groundwater versus time are shown for MW-1, MW-2, MW-3, and MW-4 on the graphs below. The trend graph for MW-3 also includes tertiary butyl alcohol (TBA), a degradation product of MTBE. Seasonal groundwater fluctuations continue to affect concentrations in groundwater on-site; however, overall a decreasing trend in each of these wells is evident.



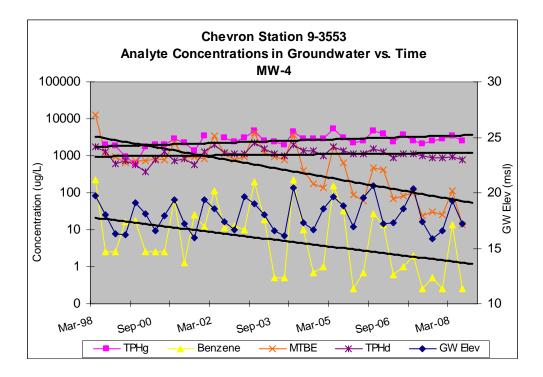
Concentrations in MW-1 show overall stable to decreasing trends. Fluctuations in concentrations are mainly attributed to seasonal changes in groundwater elevation. TPHg in MW-1 increased by one order of magnitude during the previous quarterly event; however, during this quarter, concentrations decreased to the normal range associated with fluctuating groundwater concentrations. Well MW-1 appears to be down-gradient of the adjacent Union 76 station.



Concentrations in MW-2 also exhibit decreasing trends. Fluctuations correlate with seasonal changes in groundwater elevation. MW-2 is an up-gradient well on the Chevron site but appears to be down-gradient of the Shell station.



TPHg, benzene, TPHd and TBA concentrations are increasing slightly in well MW-3; however, are within historical ranges. MTBE concentrations are decreasing in MW-3. TBA/MTBE ratios have been useful in interpreting biodegradation of MTBE. Although more information is necessary to determine if this is occurring, trends suggest that a favourable environment for natural attenuation may exist in the subsurface. MW-7, located near the former used-oil tank, will help to further define on-site conditions as trends are established.



MTBE and benzene concentrations in MW-4 indicate decreasing trends. TPHg and TPHd concentrations are relatively stable, and correlation with seasonal changes in groundwater elevations is evident.

RECOMMENDATIONS AND ANTICIPATED FUTURE ACTIVITIES

Offsite Investigation: Upon completion access agreement negotiations with the adjacent property to the northwest, CRA will conduct an offsite investigation to determine the extent, if any, of hydrocarbon impact. CRA will inform the RWQCB when agreement negotiations are finalized and when field work is scheduled.

Groundwater Monitoring: CRA recommends continuing quarterly groundwater monitoring and sampling at this site. G-R will continue to gauge and sample site wells during a joint monitoring event with the Shell, Union-76, and Valero stations. G-R will prepare a monitoring and sampling report upon completion. CRA will prepare a summary of site conditions and submit the sampling report with additional recommendations within 60 days of the sampling date.



CLOSING

Please contact Ryan Sparrow at (510) 420-3332 or via email at rsparrow@craworld.com if you have any questions or comments.

Sincerely,

Conestoga-Rovers & Associates

Chit Delowski
Christine Orlowski

Alcomas Spanove

Thomas A Sparrowe, P.G. #5065



Figures:

Figure 1 – Site Vicinity Map

Figure 2 – Expanded Site Plan

Figure 3 – Flow Map

Figure 4 – Site Plan with Soil/Groundwater Tables

Attachment:

A – Well Construction Details and Groundwater Elevation

B - Gettler-Ryan's Groundwater Monitoring and Sampling Report -- Second Quarter

Sampling Event of June 10, 2008

cc:

Mr. Aaron Costa, Chevron Environmental Management Company,

6111 Bollinger Canyon Road BRY-3660, San Ramon, CA 94583

Mr. Michael Frost, Marin County Office of Waste Management,

P.O. Box 4186, SanRafael, CA 94913-4186

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FIGURES

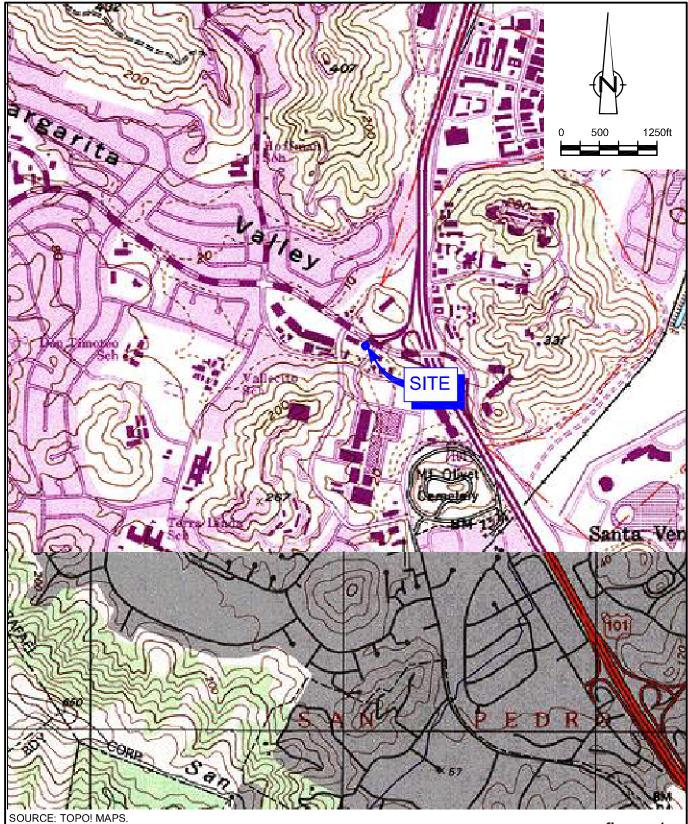
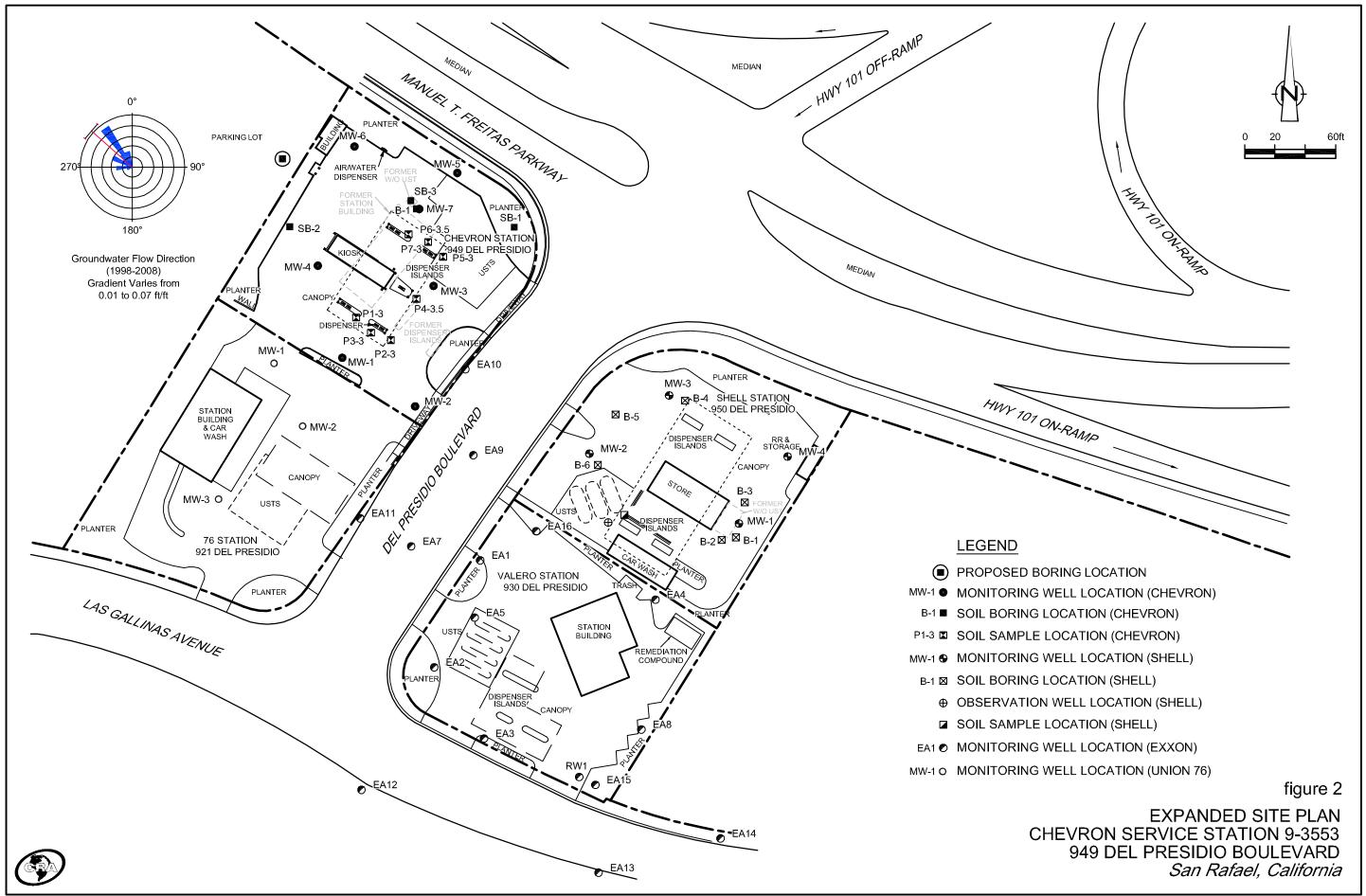
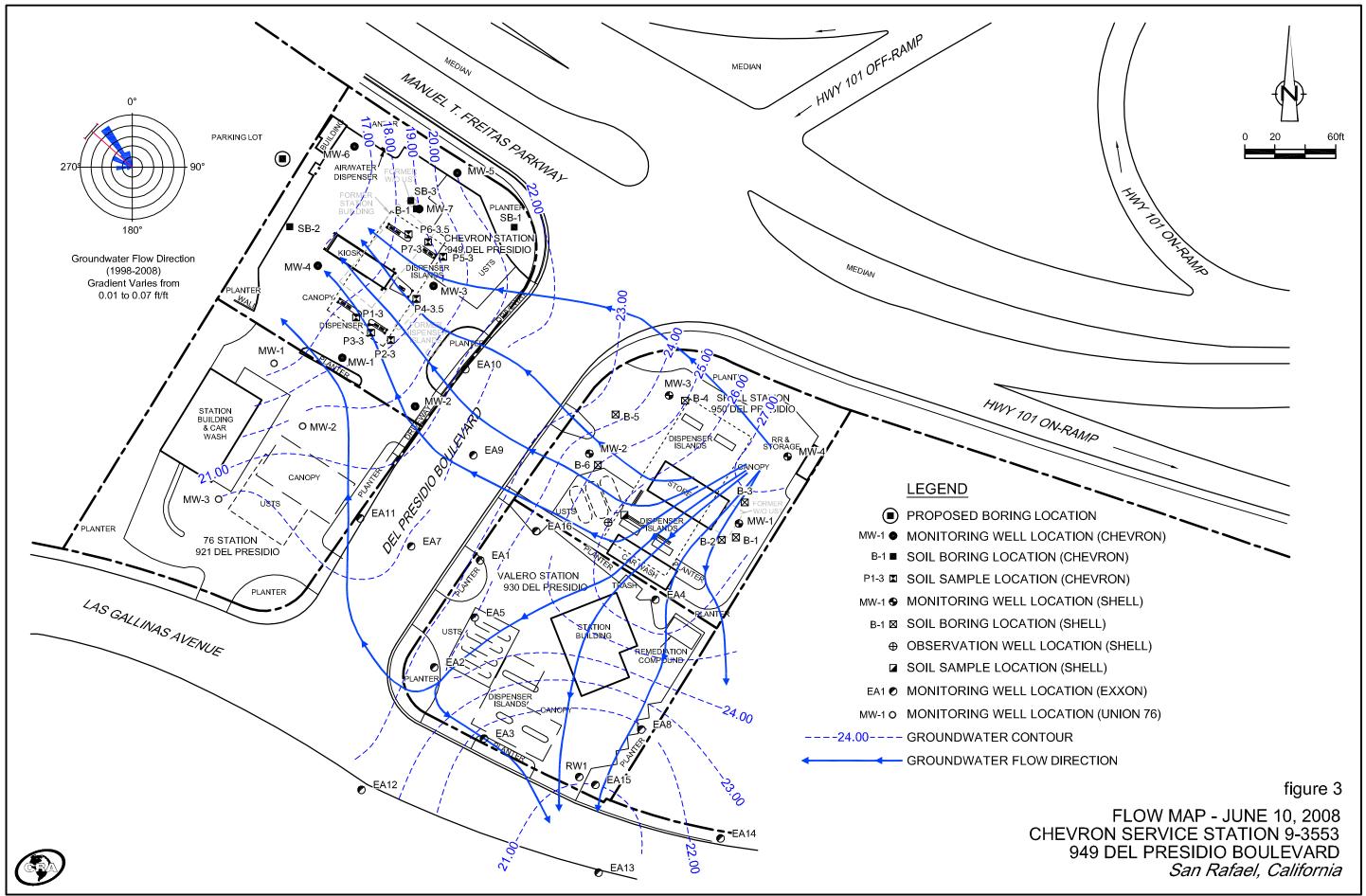


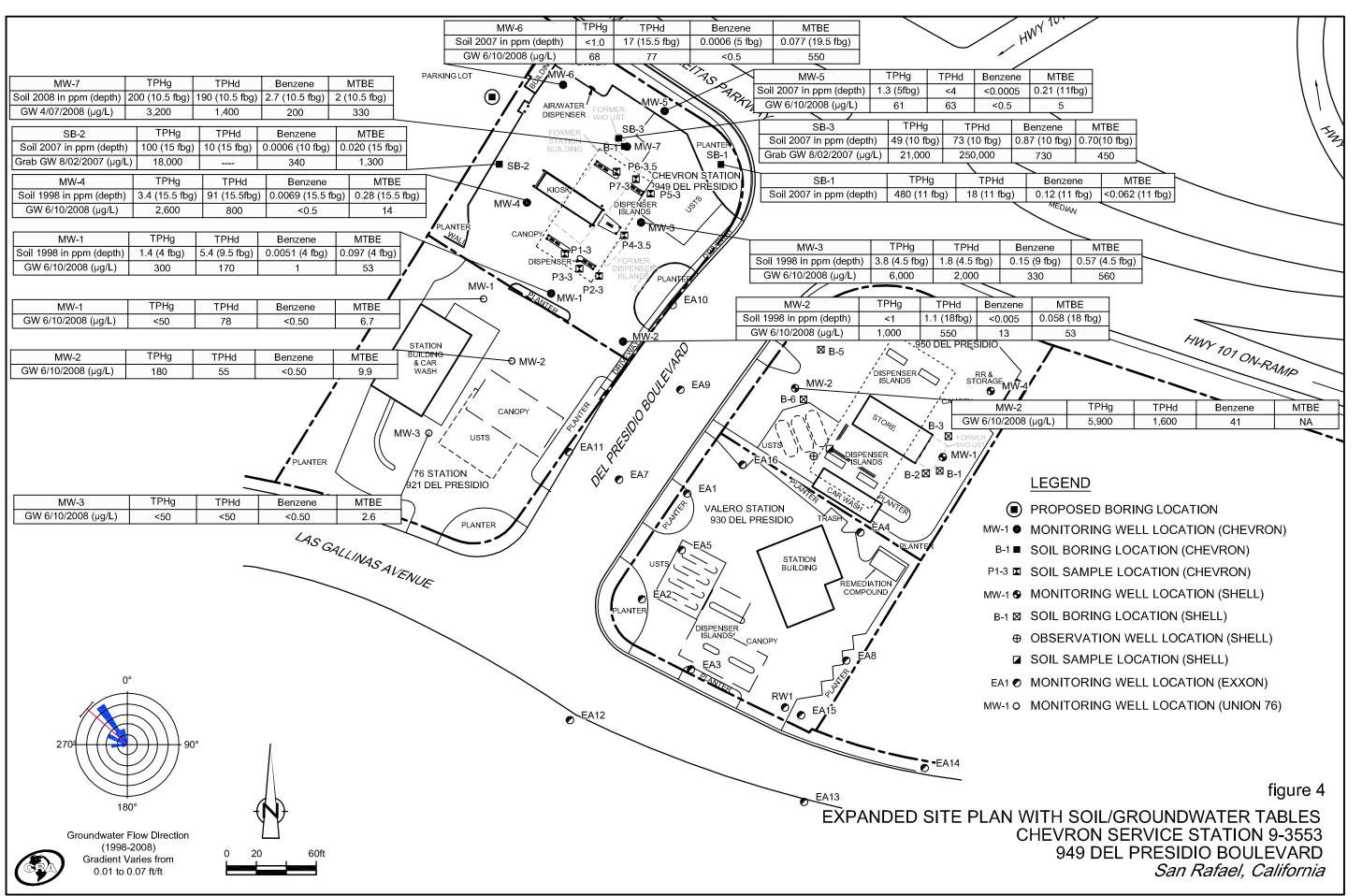
figure 1

VICINITY MAP CHEVRON SERVICE STATION 9-3553 949 DEL PRESIDIO BOULEVARD San Rafael, California











ATTACHMENT A

Well Construction Details and Groundwater Elevation

Attachment A Well Construction Details and Groundwater Elevation Chevron Station 9-3553 7. 6 5 3 2 1 2 Feet Below Grade 14 16 18 20 22 -Depth to Groundwater (Current) —▲ Depth to Groundwater (HIGH) → Depth to Groundwater (LOW) Screen Casing



ATTACHMENT B

Gettler-Ryan's Groundwater Monitoring and Sampling Report – Second Quarter Event of June 10, 2008

TRANSMITTAL

July 15, 2008 G-R #386446

TO: Ms. Lelia Pascale

Conestoga-Rovers & Associates 5900 Hollis Street, Suite A Emeryville, California 94608

FROM: Deanna L. Harding

Project Coordinator Gettler-Ryan Inc.

6747 Sierra Court, Suite J Dublin, California 94568 **RE:** Chevron Service Station

#9-3553

949 Del Presidio Boulevard San Rafael, California RWQCB-Case No. 21-0166

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
4	July 10, 2008	Groundwater Monitoring and Sampling Report Second Quarter Event of June 10, 2008

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced report for **your use** and distribution to the following (including PDF submittal of the entire report to GeoTracker):

Mr. Aaron Costa, Chevron EMC, 6111 Bollinger Canyon Road, Room 3660, San Ramon, CA 94583 CUPA, Marin County Public Works, 3501 Civic Center, Room 304, San Rafael, CA 94903 Mr. John Jang, RWQCB - San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612

Enclosures

trans/9-3553-AC

AAETE OOMDILIOM OWNER THE

many a seed of the	Chevron #9-3553	Job#	386446
	949 Del Presidio Blvd.	Event Date:	6.10.8
	San Rafael, CA	Sampler:	FT
City:			

City:	Sall Naid										
WELL ID	Vault Frame Condition	Gasket/ O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bott Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y (N)	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
Mu-1	OL	· · · · · · · · · · · · · · · · · · ·	The second secon				->			Monnison 8"/2	
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										,	

Comments	

July 10, 2008 G-R Job #3 86446

Mr. Aaron Costa Chevron Environmental Management Company 6111 Bollinger Canyon Road, Room 3660 San Ramon, CA 94583

RE: Second Quarter Event of June 10, 2008

Groundwater Monitoring & Sampling Report Chevron Service Station #9-3553 949 Del Presidio Boulevard San Rafael, California

Dear Mr. Costa:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached). A joint groundwater monitoring event was conducted with Shell Service Station, located at 950 Del Presidio Boulevard, Valero Station #13781, located at 930 Del Presidio Boulevard and 76 Station #4774 ay Del Presidio Boulevard. San Rafael, California.

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. Isoconcentration Maps are included as Figure 2, 3 and 4. The chain of custody document and laboratory analytical report are also attached. All groundwater and decontamination water generated during sampling activities was removed from the site, per the Standard Operating Procedure.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding Project Coordinator

Senior Geologist, P.G. No. 6882

No. 6882

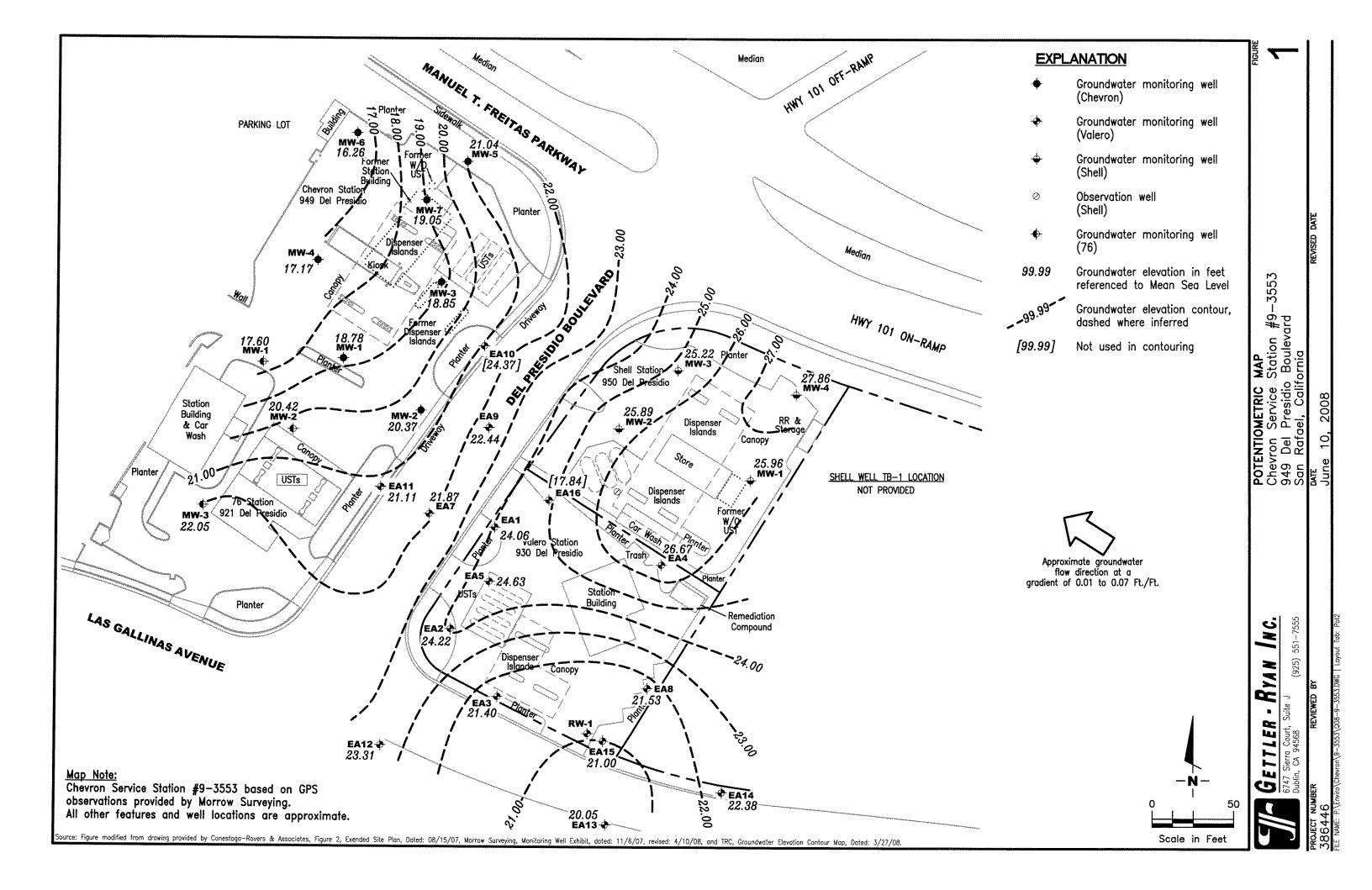
Figure 1: Potentiometric Map

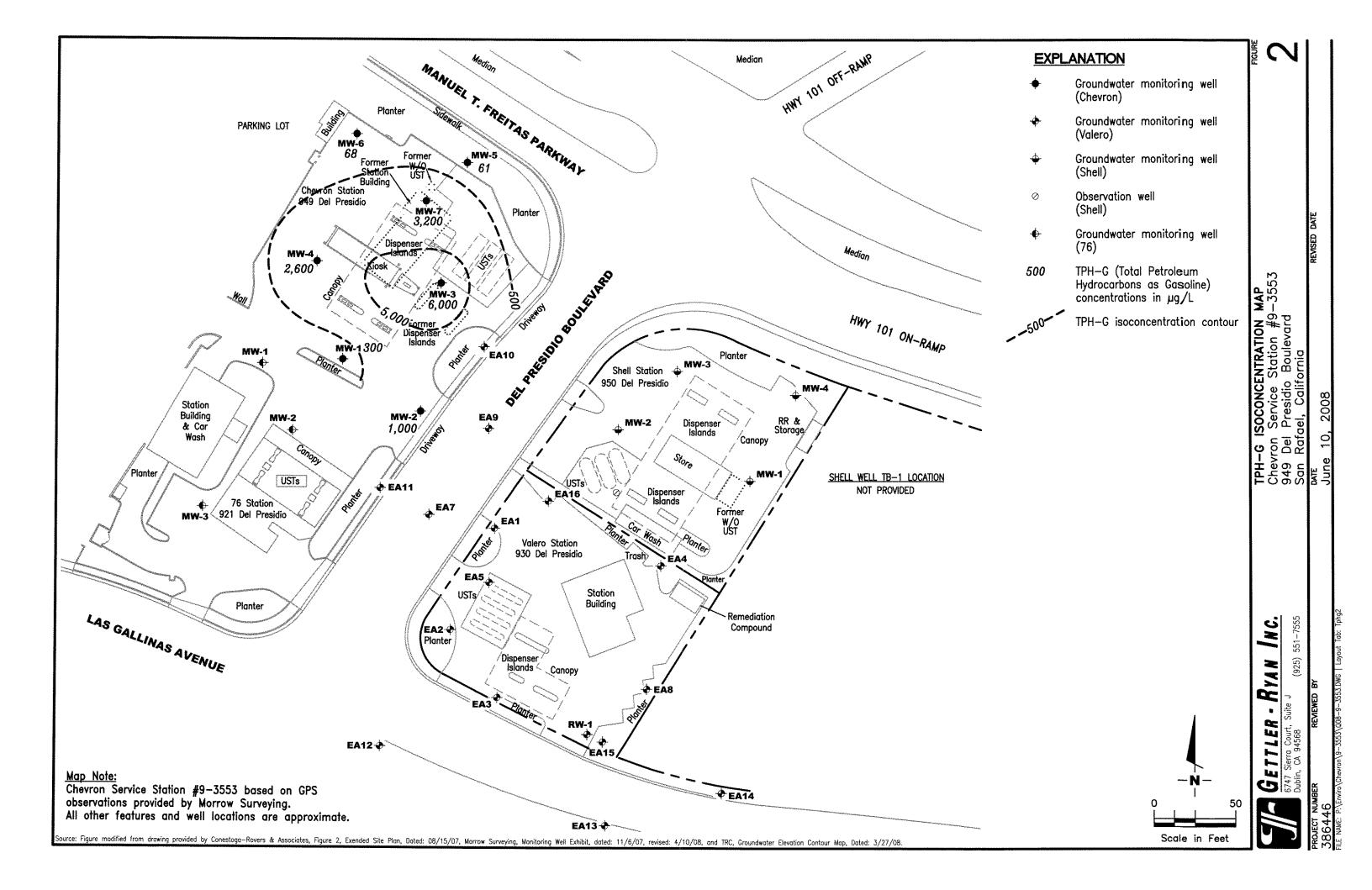
Figure 2: TPH-G Isoconcentration Map Figure 3: TPH-D Isoconcentration Map Figure 4: MTBE Isoconcentration Map

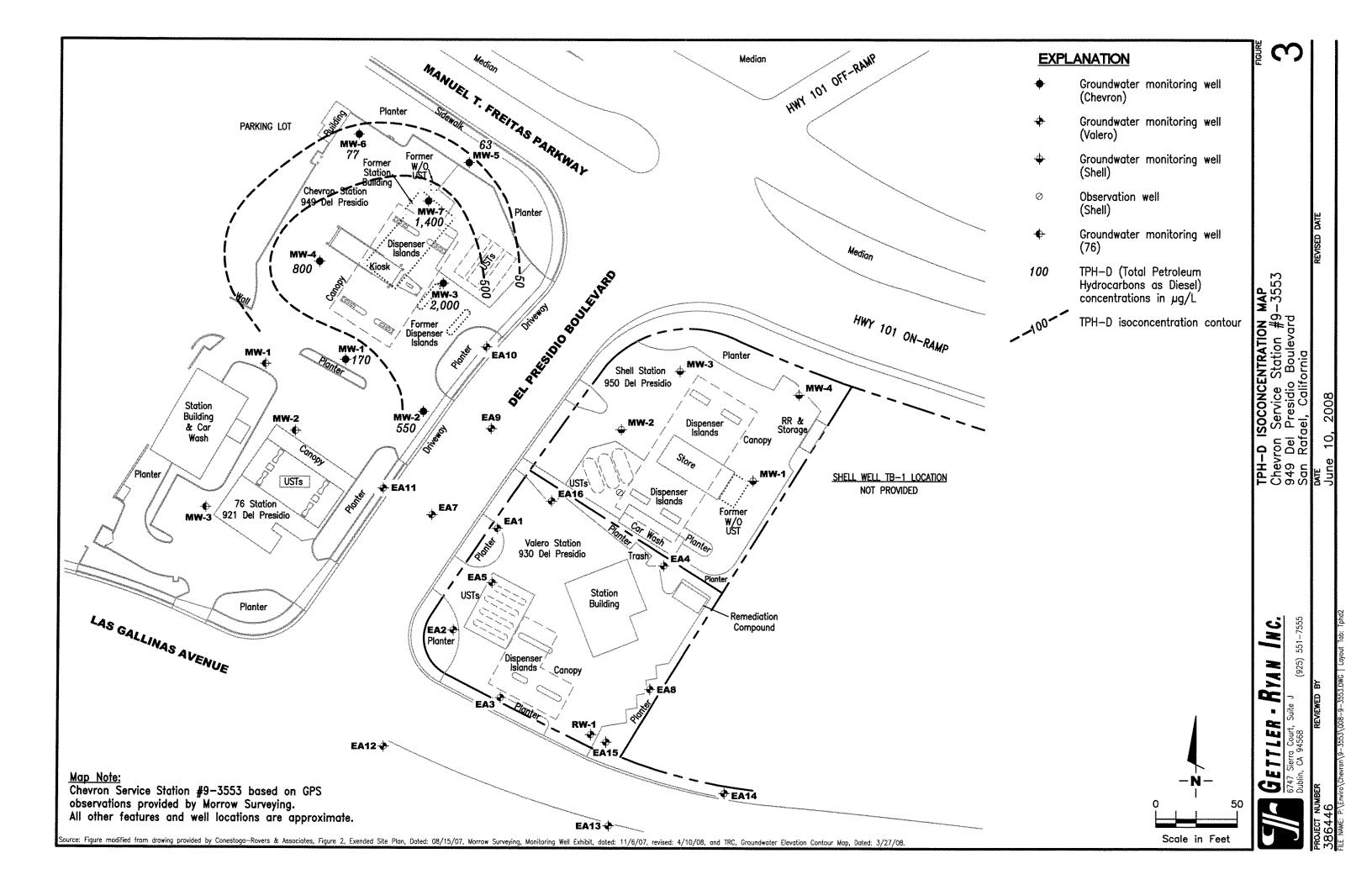
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Table 3: Joint Groundwater Monitoring Data – Shell Service Station
Table 4: Joint Groundwater Monitoring Data – Valero Station #13781
Table 5: Joint Groundwater Monitoring Data – 76 Station #4774
Attachments: Standard Operating Procedure - Groundwater Sampling

Field Data Sheets

Chain of Custody Document and Laboratory Analytical Reports







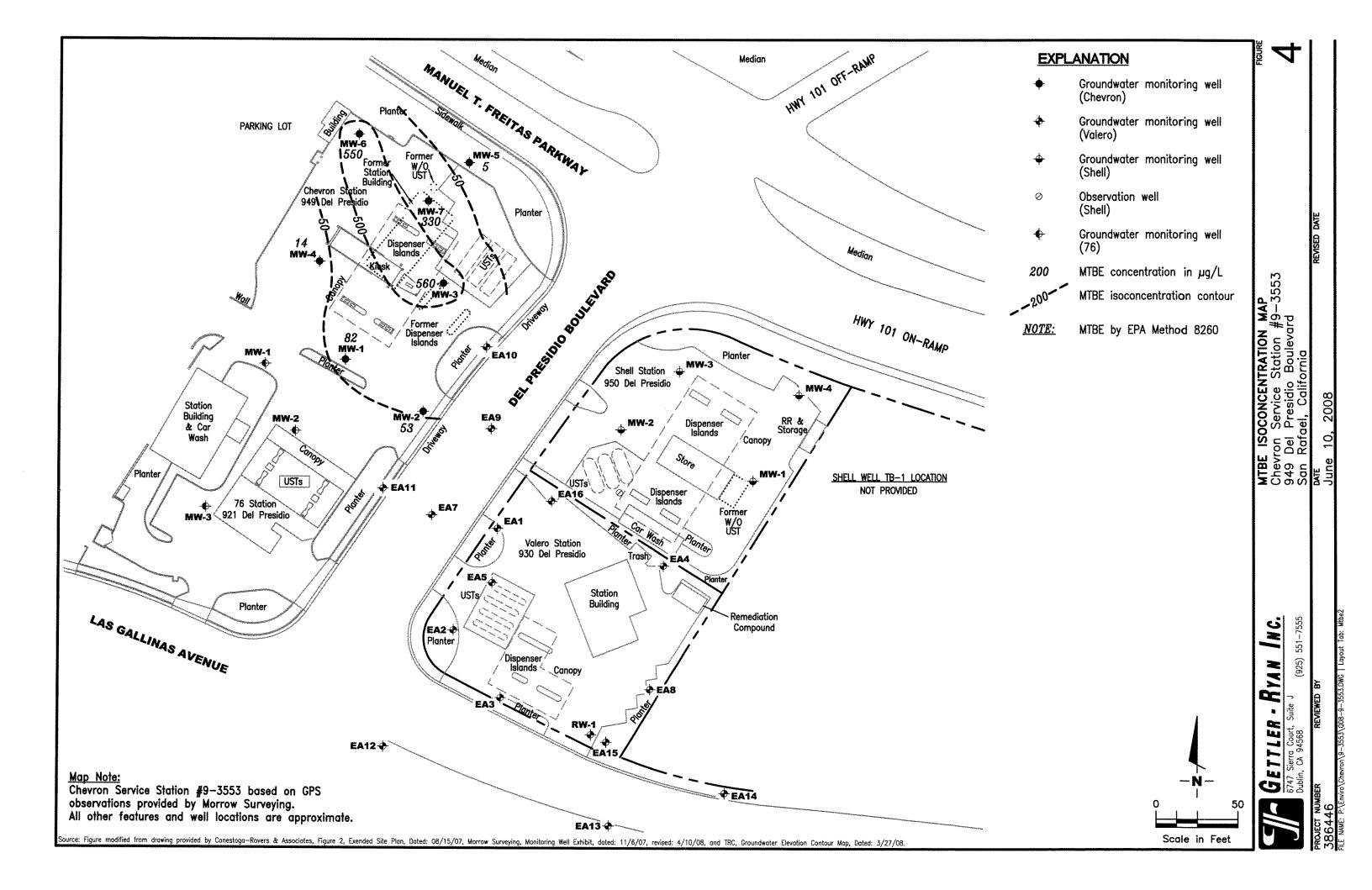


Table 1
Groundwater Monitoring Data and Analytical Results

WELL ID/	TOC*	GWE	DTW	TPH-D	San Kataet, Cat	В			X.	мтве
DATE	(fi.)	(msl)	(fi.)	(ppb)	(ppb)	(pph)	(ppb)	(ppb)	(ppb)	(ppb)
						S. C. C. C. C. M. Marine and C. C. C. C. C. C. C. C. C. C. C. C. C.	<u> </u>			
MW-1	37.07	20 59	7.39	$1,200^2$	840	88	11	7.2	69	17
03/18/98 06/21/99	27.97 27.97	20.58 18.90	9.07	1,200 269 ²	283	9.57	<1.0	<1.0	2.7	360
06/21/99	27.97	18.60	9.07	269 103 ²	704	<2.5	<2.5	<2.5	<2.5	451
12/17/99	27.97	17.33	10.64	103 140^2	184	9.58	2.63	1.22	2.37	228
03/28/00	27.97	20.55	7.42	$\frac{140}{270^2}$	498	27.50	1,19	<1.0	8.03	246
06/22/00	27.97	19.76	8.21	466	324 ³	2.65	<1.00	<1.00	1.79	274
09/26/00	27.97	18.16	9.81	356 ^{6,7,8}	324 190	2.03^4	<1.00	<1.00	<1.00	275
12/21/00	27.97	19.13	8.84	170 ¹⁰	105	<1.00	<1.00	<1.00	<1.00	253
03/23/01	27.97	20.40	7.57	170 140 ¹²	464	21.8	1.25	0.609	6.09	354
06/22/01	27.97	18.65	9.32	300 ¹³	<250	<2.5	<2.5	<2.5	<2.5	300/26014
09/15/01	27.97	17.37	10.60	64 ⁸	98	0.97	< 0.50	0.56	0.67	390/320 ¹⁴
12/08/01	27.97	20.45	7.52	610	260	11	1.1	< 0.50	4.2	300/28014
03/06/02	27.97	20.43	7.97	310	220	8.1	< 0.50	< 0.50	2.9	280/32014
06/17/02	27.97	18.95	9.02	330	380	4.3	< 0.50	< 0.50	<1.5	260/32014
09/16/02	27.97	17.98	9.99	220	330	2.6	< 0.50	< 0.50	<1.5	290/270 ¹⁴
12/23/02	27.97	19.07	8.90	360	150	5.2	< 0.50	< 0.50	<1.5	290/26014
03/05/03	27.97	20.26	7.71	700	820	31	1.8	<2.0	9.4	260/24014
06/14/03 ¹⁵	27.97	19.16	8.81	360	180	2	< 0.5	< 0.5	0.7	240
09/03/03 ¹⁵	27.97	17.98	9,99	400	180	0.9	< 0.5	< 0.5	<0.5	290
12/01/03 ¹⁵	27.97	17.55	10.42	580	140	< 0.5	< 0.5	< 0.5	< 0.5	230
	27.97	19.07	8.90	990	490	20	1	<0.5	4	250
03/01/04 ¹⁵			9.50	660	680	0.8	<0.5	< 0.5	< 0.5	260
06/16/04 ¹⁵	27.97	18.47						<0.5	< 0.5	240
09/10/04 ¹⁵	27.97	18.34	9.63	540	67	< 0.5	< 0.5			
12/18/04	27.97	INACCESSIB		E PARKED OVEI						
$03/18/05^{15}$	27.97	19.41	8.56	280	69	< 0.5	< 0.5	< 0.5	<0.5	180
$06/30/05^{15}$	27.97	20.63	7.34	450^{16}	80	2	< 0.5	< 0.5	< 0.5	180
09/30/0515	27.97	18.42	9.55	340^{16}	< 50	0.5	< 0.5	< 0.5	< 0.5	170
12/28/05 ¹⁵	27.97	19.18	8.79	600^{16}	95	< 0.5	< 0.5	< 0.5	< 0.5	160
03/20/06 ¹⁵	27.97	20.46	7.51	430	170	2	0.6	< 0.5	0.7	140
06/23/06 ¹⁵	27.97	20.10	7.87	130	< 50	< 0.5	< 0.5	< 0.5	< 0.5	140
09/22/0615	27.97	18.77	9.20	440	<50	< 0.5	< 0.5	< 0.5	< 0.5	87

Table 1
Groundwater Monitoring Data and Analytical Results

WELL ID/	ТОС*	GWE	DTW	TPH-D	San Karaei, Cal	В	i i i i i i i i i i i i i i i i i i i	E	x	MTBE
DATE	(ft.)	(msl)	(ft.)	(pph)	(ppb)	(pph)	(ppb)	(ppb)	(ppb)	(ppb)
MW-1 (cont)										***************************************
12/27/06 ¹⁵	27.97	19.92	8.05	340	78	< 0.5	< 0.5	< 0.5	< 0.5	51
03/28/07 ¹⁵	27.97	20.35	7.62	320	<50	< 0.5	< 0.5	< 0.5	< 0.5	57
06/11/07 ¹⁵	27.97	18.43	9.54	61 ²⁰	70	< 0.5	< 0.5	< 0.5	< 0.5	41
09/11/07 ¹⁵	27.77	17.19	10.58	300^{20}	180	< 0.5	< 0.5	< 0.5	< 0.5	70
12/11/07 ¹⁵	28.11	17.90	10.21	210 ²⁰	370	< 0.5	< 0.5	< 0.5	< 0.5	64
03/10/08 ¹⁵	28.11	19.38	8.73	170 ²⁰	1,300	11	1	< 0.5	2	140
04/07/08	28.11	19,44	8.67		₩ NA	Net Ale	A6 4H	.mr No-	***	
06/10/08 ¹⁵	28.11	18.78	9.33	17020	300	1	< 0.5	<0.5	< 0.5	82
00/10/00				* / 1/						
MW-2										
03/18/98	27.60	22.26	5.34	$2,400^2$	3,700	55	23	130	150	630
06/21/99	27.60	21.25	6.35	320^{2}	3,580	29.7	<5.0	30.9	22.3	168
09/27/99	27.60	19.09	8.51	$1,920^2$	8,760	181	15.2	118	166	682
12/17/99	27.60	18.89	8.71	891 ²	6,460	87.9	13.2	16.4	23.2	446
03/28/00	27.60	22.03	5.57	685 ²	3,080	21.1	20.9	12.5	12.2	275
06/22/00	27.60	20.93	6.67	1,250	$8,930^{3}$	118.0	14.94	53.0	74.4	504
09/26/00	27.60	19.28	8.32	$1.810^{6.7.9}$	6,700	217	21.9^{4}	67.5	78.5	833
12/21/00	27.60	21.67	5.93	<50	501 ⁸	< 2.50	<2.50	<2.50	< 2.50	74.4
03/23/01	27.60	21.86	5.74	$2,100^{12}$	6,200	145	22.0	66.6	59.9	834
06/22/01	27.60	20.08	7.52	1,400	3,900	130	31	59	59	740/69014
09/15/01	27.60	18.82	8.78	1,500	4,500	140	<25	65	58	$720/790^{14}$
12/08/01	27.60	21.79	5.81	1,500	4,600	35	5.3	33	25	$180/110^{14}$
03/06/02	27,60	21.86	5.74	670	1,700	9.6	< 5.0	19	<10	63/66 ¹⁴
06/17/02	27.60	20.48	7.12	1,600	4,300	100	11	29	29	$580/710^{14}$
09/16/02	27.60	19.40	8.20	2,300	3,100	96	19	6.4	43	$490/610^{14}$
12/23/02	27.60	21.56	6.04	1,400	2,200	68	9.3	37	26	$340/370^{14}$
03/05/03	27.60	21.79	5.81	1,600	4,800	71	12	66	34	$930/800^{14}$
06/14/0315	27.60	21.15	6.45	1,900	2,900	57	10	39	29	780
09/03/03 ¹⁵	27.60	19.35	8.25	2,600	4,000	64	9	22	22	800
12/01/03 ¹⁵	27.60	20.03	7.57	3,000	9,000	76	12	36	38	280

Table 1
Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3553 949 Del Presidio Boulevard

San Rafael, California

WELL ID/	тос*	GWE	DTW	TPH-D	TPH-G	B		jt,	×	MTBE
DATE	(fi.)	(msl)	(fi.)	(ppb)	(ppb)	(pph)	(ppb)	(ppb)	(ppb)	(ppb)
MW-2 (cont)	***************************************									
03/01/04 ¹⁵	27.60	22.17	5.43	3,000	4,200	50	9	42	23	390
06/16/04 ¹⁵	27.60	20.76	6.84	880	560	23	2	2	2	240
09/10/04 ¹⁵	27.60	19.79	7.81	1,600	2,500	70	14	10	26	390
12/18/04 ¹⁵	27.60	22.09	5.51	91	63	< 0.5	< 0.5	< 0.5	< 0.5	13
03/18/05 ¹⁵	27.60	22.03	5.57	1,100	4,200	29	8	30	19	150
06/30/05 ¹⁵	27.60	21.45	6.15	1,100	3,900	30	5	11	11	140
09/30/05 ¹⁵	27.60	19.76	7.84	1,400	3,200	57	8	7	19	260
12/28/05 ¹⁵	27.60	21.96	5.64	150 ¹⁸	120	< 0.5	<0.5	< 0.5	< 0.5	7
03/20/06 ¹⁵	27.60	22.25	5.35	1,600	4,500	32	7	21	14	150
06/23/06 ¹⁵	27.60	21.07	6.53	920	2,500	8	2	4	5	66
09/22/06 ¹⁵	27.60	19.96	7.64	1,400	3,000	45	10	4	29	190
12/27/06 ¹⁵	27.60	20.70	6.90	140	76	< 0.5	< 0.5	< 0.5	< 0.5	3
03/28/07 ¹⁵	27.60	22.12	5.48	100	<50	<0.5	<0.5	< 0.5	< 0.5	3
06/11/07 ¹⁵	27.60	20.52	7.08	160 ²⁰	1,500	6	I	2	0.9	6
09/11/07 ¹⁵	27.49	18.51	8.98	650 ²⁰	1,500	24	5	3	11	280
12/11/07 ¹⁵	27.75	19.15	8.60	$2,000^{20}$	1,600	15	3	0.9	8	260
03/10/08 ¹⁵	27.75	21.92	5.83	400^{20}	890	0.7	<0.5	< 0.5	< 0.5	45
04/07/08	27.75	21.04	6.71				ar 40		an ari	
06/10/08 ¹⁵	27.75	20.37	7.38	550 ²⁰	1,000	13	3	2	3	53
MW-3										
03/18/98	28.92	21.28	7.64	$2,800^2$	<5,000	510	56	270	190	33,000
06/21/99	28.92	17.75	11.17	$1,500^2$	<5,000	441	<50	355	203	18,800
09/27/99	28.92	16.88	12.04	494 ²	5,220	220	<50	262	510	$16,200/22,400^{1}$
12/17/99	28.92	17.33	11.59	925 ²	3,350	441	<10	373	126	4,490
03/28/00	28.92	19.92	9.00	$1,050^2$	4,580	504	14	501	200	17,700
06/22/00	28.92	19.48	9.44	2,000	$<5,000^3$	385	<50.0	335	439	19,800
09/26/00	28.92	17.50	11.42	196 ^{6,7,8}	<5,000	<50.0	<50.0	<50.0	87.3	12,300
12/21/00	28.92	19.06	9.86	9,700	22,100	2,680	<50.0	2,090	740	24,600
03/23/01	28.92	20.69	8.23	3,00011	10,100	1,320	16.3	812	104	16,600
06/22/01 9-3553.xls/#386446	28.92	17.96	10.96	260	<5,000 3	230	<50	180	280	13,000/14,000 ¹⁴ As of 06/10/0

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3553 949 Del Presidio Boulevard

San Rafael, California

WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	B		í i i i i i i i i i i i i i i i i i i i		MTBE
DATE	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(pph)	(ppb)	(ppb)	(ppb)	(ppb)
MW-3 (cont)										
09/15/01	28.92	17.13	11.79	1508	830	52	<5.0	68	110	15,000/14,000 ¹⁴
12/08/01	28.92	21.29	7.63	1,500	4,100	580	3.4	300	22	15,000/14,000 ¹⁴
03/06/02	28.92	20.14	8.78	3,200	7,000	890	<10	630	33	$13,000/18,000^{14}$
06/17/02	28.92	18.77	10.15	650	1,800	96	1.8	99	93	12,000/16,000 ¹⁴
09/16/02	28.92	17.87	11.05	620	1,400	64	<2.5	69	48	$11,000/11,000^{14}$
12/23/02	28.92	21.51	7.41	3,100	7,500	1,200	5.7	540	24	14,000/14,000 ¹⁴
03/05/03	28.92	20.69	8.23	4,700	10,000	1,100	8.0	700	24	11,000/11,000 ¹⁴
06/14/03 ¹⁵	28.92	19.45	9.47	910	1,600	140	<3	70	33	11,000
09/03/03 ¹⁵	28.92	17.80	11.12	310	1,400	78	<5	65	37	9,900
12/01/03 ¹⁵	28.92	17.91	11.01	530	1,500	140	<3	90	10	4,100
03/01/04 ¹⁵	28.92	22.17	6.75	3,500	7,900	900	6	480	21	5,200
06/16/04 ¹⁵	28.92	18.85	10.07	14,000	5,200	2,200	11	1,100	320	15,000
09/10/04 ¹⁵	28.92	18.17	10.75	1,100	970	590	<5	260	67	5,700
12/18/04 ¹⁵	28.92	20.52	8.40	5,700	13,000	1,400	7	420	11	7,900
03/18/05 ¹⁵	28.92	21.11	7.81	3,600	13,000	950	8	660	22	3,800
06/30/05 ¹⁵	28.92	20.05	8.87	2,200	4,500	370	3	73	21	2,100
09/30/0515	28.92	18.35	10.57	750 ¹⁶	2,000	230	2	170	79	2,000
12/28/0515	28.92	20.94	7.98	5,70019	14,000	1,200	7	430	20	6,800
03/20/0615	28.92	22.22	6.70	4,800	14,000	880	7	690	18	3,100
06/23/0615	28.92	19.17	9.75	4,700	10,000	1,100	6	320	32	4,500
09/22/0615	28.92	19.05	9.87	5,100	13,000	1,200	8	620	82	7,100
12/27/0615	28.92	20.50	8.42	5,100	12,000	830	6	260	12	3,400
03/28/07 ¹⁵	28.92	22.11	6.81	4,100	10,000	710	5	220	9	2,400
06/11/07 ¹⁵	28.92	18.78	10.14	$2,200^{20}$	3,800	420	3	100	20	1,200
09/11/07 ¹⁵	28.76	17.62	11.14	$1,400^{20}$	3,900	520	4	190	21	1,300
12/11/07 ¹⁵	29.05	18.57	10.48	840 ²⁰	3,100	310	3	57	7	600
03/10/0815	29.05	21.75	7.30	3,500 ²⁰	11,000	1,000	8	290	15	2,400
04/07/08	29.05	19.71	9.34	m m	***	~-				m.m.
06/10/08 ¹⁵	29.05	18.85	10.20	$2,000^{20}$	6,000	330	3	76	11	560

 Table 1

 Groundwater Monitoring Data and Analytical Results

WELL ID/	roc*	GWE	DTW	TPH-D	TPH-G	В	T.	B	X	мтве
DATE	(ft.)	(msl)	(ft.)	(ppb)	(ррь)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
MW-4										
03/18/98	27.54	19.76	7.78	$1,700^2$	<5,000	220	< 50	130	< 50	13,000
06/21/99	27.54	18.05	9.49	$1,300^2$	2,040	< 5.0	< 5.0	<5.0	< 5.0	1,090
09/27/99	27.54	16.32	11.22	622 ²	1,840	< 5.0	<5.0	< 5.0	<5.0	917
12/17/99	27.54	16.22	11.32	739^{2}	963	16.2	5.26	< 0.5	6.12	647
03/25/00	27.54	19.09	8.45	559 ²	<1,250	17.3	<12.5	<12.5	<12:5	731
06/22/00	27.54	18.13	9,41	364 ⁵	$1,790^{3}$	< 5.00	< 5.00	< 5.00	< 5.00	748
09/26/00	27.54	16.56	10.98	$776^{6,7,8}$	2,040	< 5.00	< 5.00	< 5.00	< 5.00	820
12/21/00	27.54	17.92	9.62	1,30011	2,020	< 5.00	<5.00	< 5.00	< 5.00	787
03/23/01	27.54	19.41	8.13	74011	2,960	65.5	1.94	19.3	4.09	2,260
06/22/01	27.54	17.20	10.34	830	2,200	1.3	<1.0	<1.0	2.0	$670/900^{14}$
09/15/01	27.54	15.96	11.58	570^{8}	1,400	26	<10	<10	<10	$710/940^{14}$
12/08/01	27.54	19.40	8.14	1,300	3,500	12	1.5	3.2	7.4	810/83014
03/06/02	27.54	18.57	8.97	2,000	<10,000	110	<40	40	<120	$3,000/3,400^{14}$
06/17/02	27.54	17.36	10.18	1,200	3,100	11	1.2	3.7	5.9	$840/1,100^{14}$
09/16/02	27.54	16.68	10.86	1,100	2,400	13	1.4	2.6	<10	620/76014
12/23/02	27.54	19.60	7.94	1,100	3,000	<20	< 5.0	3.3	5.8	950/90014
03/05/03	27.54	19.04	8.50	2,300	4,800	200	3.3	52	6.3	4,100/3,900 ¹⁴
06/14/03 ¹⁵	27.54	18.03	9.51	1,500	2,600	19	0.5	2	2	1,200
09/03/03 ¹⁵	27.54	16.60	10.94	1,100	2,400	<1	<1	<1	1	960
12/01/0315	27.54	16.17	11.37	970	2,000	0.5	< 0.5	<0.5	1	800
03/01/04 ¹⁵	27.54	20.44	7.10	2,000	4,500	230	<3	53	3	3,800
06/16/04 ¹⁵	27.54	17.26	10.28	1,400	2,900	10	< 0.5	1	2	400
09/10/04 ¹⁵	27.54	16.69	10.85	1,400	2,900	0.7	< 0.5	0.9	2	180
12/18/04 ¹⁵	27.54	18.54	9.00	1,000	2,900	1	0.6	0.6	2	140
03/18/05 ¹⁵	27.54	19.61	7.93	1,700	5,500	150	<3	27	<3	1,800
06/30/05 ¹⁵	27.54	18.82	8.72	1,400	3,100	32	<1	1	1	660
09/30/05 ¹⁵	27.54	16.96	10.58	1,100 ¹⁷	2,300	<0.5	< 0.5	0.5	1	91
	27.54	19.53	8.01	1,100 ¹⁹	2,500	0.7	< 0.5	< 0.5	1	61
12/28/05 ¹⁵									1	480
03/20/06 ¹⁵	27.54	20.59	6.95	1,500	4,600	27	0.6	< 0.5	ı	
06/23/06 ¹⁵	27.54	17.24	10.30	1,300	3,900	14	< 0.5	< 0.5	1	420

Table 1 Groundwater Monitoring Data and Analytical Results

San Rafael, California												
WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В	T	E	X	MTBE		
DATE	(ft.)	(msl)	(ft.)	(pph)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)		
MW-4 (cont)												
09/22/0615	27.54	17.34	10.20	880	2,400	0.6	< 0.5	0.5	1	71		
12/27/0615	27.54	18.57	8.97	1,100	3,700	1	< 0.5	0.7	ì	82		
03/28/0715	27.54	20.40	7.14	1,100	2,500	2	< 0.5	0.8	1	98		
06/11/07 ¹⁵	27.54	17.35	10.19	$1,000^{20}$	2,100	< 0.5	< 0.5	< 0.5	1	24		
09/11/07 ¹⁵	27.38	15.90	11.48	880^{20}	2,600	0.5	< 0.5	< 0.5	0.8	30		
12/11/07 ¹⁵	27.67	16.60	11.07	900^{20}	2,900	< 0.5	< 0.5	< 0.5	0.9	25		
03/10/08 ¹⁵	27.67	19.25	8.42	960^{20}	3,400	14	1	0.6	2	110		
04/07/08	27.67	18.08	9.59									
06/10/08 ¹⁵	27.67	17.17	10.50	800 ²⁰	2,600	<0.5	<0.5	<0.5	0.8	14		
MW-5		10.50	= 40	20	.50	.0. **	-O F	~D ~	-0.5	190		
09/11/07 ^{15,21}	27.06	19.58	7.48	<50 ²⁰	<50	<0.5	<0.5	< 0.5	<0.5			
12/11/07 ¹⁵	27.34	20.39	6.95	110 ²⁰	<50	<0.5	<0.5	<0.5	<0.5	270		
03/10/08 ¹⁵	27.34	22.80	4.54	53 ²⁰	140	< 0.5	< 0.5	< 0.5	<0.5	3		
04/07/08	27.34	21.79	5.55	30			.0.5	 -0 =	 -0.5	5		
06/10/08 ¹⁵	27.34	21.04	6.30	63 ²⁰	61	<0.5	<0.5	<0.5	<0.5	5		
MW-6												
09/11/07 ^{15,21}	25.75	15.22	10.53	<50 ²⁰	89	< 0.5	< 0.5	< 0.5	< 0.5	1,600		
12/11/07 ¹⁵	26.04	15.79	10.25	89^{20}	100	1	< 0.5	< 0.5	< 0.5	1,300		
03/10/08 ¹⁵	26.04	18.96	7.08	82 ²⁰	120	2	< 0.5	< 0.5	< 0.5	580		
04/07/08	26.04	16.53	9.51				ac va-					
06/10/08 ¹⁵	26.04	16.26	9.78	77 ²⁰	68	< 0.5	< 0.5	< 0.5	< 0.5	550		
00/10/08	20.07	10.20	2110	,,								
MW-7												
04/07/08 ^{15,21}	27.65	19.90	7.75	$2,300^{20}$	4,800	170	4	100	10	160		
06/10/08 ¹⁵	27.65	19.05	8,60	1,40020	3,200	200	3	130	11	330		

1 able 1 Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3553 949 Del Presidio Boulevard

				,	San Rafael, Cali					
WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В		i i i i i i i i i i i i i i i i i i i	X	MTBE
DATE	(fi.)	(msl)	(fi.)	(pph)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
TRIP BLANK										•
03/18/98	W vie		**		<50	< 0.5	< 0.5	< 0.5	< 0.5	<2.5
06/21/99	es 186				<50	< 0.5	< 0.5	< 0.5	< 0.5	<2.0
09/27/99					<50	< 0.5	< 0.5	< 0.5	< 0.5	<2.5
12/17/99					<50	< 0.5	<0.5	< 0.5	<0.5	<2.5
03/28/00					< 50	< 0.50	< 0.50	< 0.50	< 0.50	<2.5
06/22/00 ³	AND 446.	107 660	***		<50.0	< 0.500	< 0.500	< 0.500	< 0.500	< 2.50
09/26/00					<50.0	< 0.500	< 0.500	< 0.500	< 0.500	<2.50
12/21/00	***			***	<50.0	< 0.500	< 0.500	< 0.500	< 0.500	3.61
03/23/01		~~	₩.		<50.0	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500
06/22/01			44 509		<50	< 0.50	< 0.50	< 0.50	< 0.50	<2.5
09/15/01	***		*** DIR		< 50	< 0.50	< 0.50	< 0.50	< 0.50	<2.5
QA										
12/08/01				.me vav	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
03/06/02			**		<50	< 0.50	< 0.50	< 0.50	<1.5	< 2.5
06/17/02		A00 WH			<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
09/16/02				'ME 484	< 50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
12/23/02			w =	. on No	< 50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
03/05/03	***				<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
06/14/0315					<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
09/03/03 ¹⁵					<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
12/01/03 ¹⁵	***	, and wase	W W		< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
03/01/04 ¹⁵	**				<50	<0.5	< 0.5	< 0.5	< 0.5	< 0.5
06/16/04 ¹⁵				***	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
09/10/04 ¹⁵	901.00				<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
12/18/04		44	NAV SANI		<50	<0.5	< 0.5	<0.5	< 0.5	<0.5
03/18/05 ¹⁵	** W			No M	<50	<0.5	<0.5	< 0.5	< 0.5	<0.5
06/30/05 ¹⁵		~*	 		<50	<0.5	<0.5	<0.5	<0.5	<0.5
					<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/30/05 ¹⁵		100.00		**						
12/28/05 ¹⁵	the ear				<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
03/20/06 ¹⁵					<50	<0.5	< 0.5	< 0.5	< 0.5	< 0.5
06/23/06 ¹⁵	₩ ***		***		< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

Table 1 Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3553 949 Del Presidio Boulevard

San Rafael, California

WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В	T	Ŀ	x	MTBE
DATE	(fi.)	(msl)	(ft.)	(ррь)	(ppb)	(ppb)	(ppb)	(ppb)	(pph)	(ppb)
QA (cont)										
09/22/06 ¹⁵					< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
12/27/0615				W4 400	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
03/28/07 ¹⁵			***		< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
06/11/0715					< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
09/11/07 ¹⁵	 N				< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
12/11/07 15		***	**		< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
03/10/08 ¹⁵	***	**			< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
04/07/0815					< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
06/10/08 ¹⁵			***	ada viio	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3553 949 Del Presidio Boulevard San Rafael, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 22, 2000, were compiled from reports by Blaine Tech Services, Inc.

TOC = Top of Casing TPH-G = Total Petroleum Hydrocarbons as Gasoline (ppb) = Parts per billion

(ft.) = Feet B = Benzene --= Not Measured/Not Analyzed

GWE = Groundwater Elevation T = Toluene OA = Quality Assurance/Trip Bla

GWE = Groundwater Elevation

T = Toluene

(msl) = Mean sea level

DTW = Depth to Water

QA = Quality Assurance/Trip Blank

E = Ethylbenzene

X = Xylenes

TPH-D = Total Petroleum Hydrocarbons as Diesel MTBE = Methyl Tertiary Butyl Ether

- * TOC elevation for MW-7 was surveyed on April 10, 2008 by Morrow Surveying. Vertical datum is NAVD 88 from GPS observations. TOC elevations were surveyed on November 6, 2007 by Morrow Surveying. Vertical datum is NAVD 88 from GPS observations. TOC elevations were surveyed on August 23, 2007 by Virgil Chavez Land Surveying. Vertical datum is NAVD 88.
- Confirmation run.
- ² Chromatogram pattern indicates an unidentified hydrocarbon.
- Laboratory report indicates the EPA recommended storage temperature of 4 degrees C was exceeded prior to analysis.
- Laboratory report indicates results between the primary and confirmation columns varied by greater than 40% RPD.
- Laboratory report indicates re-extract unavailable due to insufficient sample.
- Laboratory report indicates no sample available for re-extraction.
- Laboratory report indicates analyte is found in the associated blank as well as in the sample.
- Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel. The pattern more closely resembles that of a lighter fluid.
- Laboratory report indicates discrete peaks.
- Laboratory report indicates unidentified hydrocarbons <C16.
- Laboratory report indicates unidentified hydrocarbons C9-C24.
- Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel. The pattern more closely resembles that of a heavier fluid.
- MTBE by EPA Method 8260.
- BTEX and MTBE by EPA Method 8260.
- Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range.
- Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.
- Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range later than #2 fuel and contains individual peaks eluting in the DRO range.

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3553 949 Del Presidio Boulevard San Rafael, California

EXPLANATIONS:

- Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.
- TPH-D with silica-gel clean up.
- Well development performed.

Table 2 Groundwater Analytical Results - Oxygenate Compounds

			-::::::::::::::::::::::::::::::::::::::				aiaei, Caii			hiceat ves	TRIVALENT	FERREN A A F. A. B. WANTER	
WELL ID	DATE	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	. * . * . * . * . * . * . * . * . * . *	CHROMIUM	nanananan nanan mananan matahasi m	SVOCs
· 大大學學學學學	· · · · · · · · · · · · · · · · · · ·	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	1,2-DCA (ppb)	(ppb)	(ррт)	(ppm)	(ppm)	SVOCs (ppb)
N/33/ 1	07/22/01	<400						411.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4					WP P
MW-1	06/22/01		46	260	<1.0	<1.0	11	<1.0	<1.0		764 AA		
	09/15/01	<500	150	320	<2.0	<2.0	17	<2.0	<2.0		NO 100		
	12/08/01	<i>-</i> 2-W	<100	280	<2	<2	7	<2	<2				**
	03/06/02	ME 4	120	320	<2	<2	8	<2	<2				
	06/17/02		89	320	<0.5	<0.5	10	<0.5	< 0.5	MI			
	09/16/02		51	270	<0.5	<0.5	11	<0.5	<0.5	""	~~	WA 94F	
	12/23/02	15-44	36	260	<0.5	<0.5	6	<0.5	<0.5		.m. va	W- W-	~~
	03/05/03		78	240	<0.5	<0.5	4	< 0.5	<0.5				
	06/14/03		100	240	< 0.5	<0.5	4	< 0.5	< 0.5	++		**	**
	09/03/03		110	290	< 0.5	<0.5	5	< 0.5	< 0.5				
	12/01/03		74	230	< 0.5	< 0.5	3	< 0.5	< 0.5			₩.	**
	03/01/04		130	250	< 0.5	< 0.5	2	< 0.5	< 0.5	~	 -		
	06/16/04		130	260	< 0.5	< 0.5	3	< 0.5	< 0.5	aan aa			
	09/10/04	a.m	86	240	< 0.5	< 0.5	4	< 0.5	< 0.5				
	12/18/04	INACCESSIB	LE - VE	HICLE PARKE	D OVER W	ELL							
	03/18/05	ar w-	47	180	< 0.5	< 0.5	3	< 0.5	< 0.5				
	06/30/05		59	180	< 0.5	< 0.5	3	< 0.5	< 0.5				
	09/30/05		85	170	< 0.5	< 0.5	3	< 0.5	< 0.5	We last	***		
	12/28/05		100	160	< 0.5	< 0.5	3	< 0.5	< 0.5	W. W.			
	03/20/06		100	140	< 0.5	< 0.5	3	< 0.5	< 0.5	æ÷mr	**		
	06/23/06		83	140	< 0.5	< 0.5	6	< 0.5	< 0.5	W1.40	***		
	09/22/06		130	87	< 0.5	< 0.5	3	< 0.5	< 0.5	≥ π	~ ~	**	
	12/27/06		120	51	< 0.5	< 0.5	2	< 0.5	< 0.5		***		
	03/28/07	W M	110	57	< 0.5	< 0.5	2	< 0.5	< 0.5				
	06/11/07	No. 44a	120	41	< 0.5	< 0.5	1	< 0.5	< 0.5				
	09/11/07		160	70	< 0.5	< 0.5	2	< 0.5	< 0.5	1.11	- M		***
	12/11/07		140	64	< 0.5	< 0.5	2	< 0.5	< 0.5	0.0712		₩ =	
	03/10/08		260	140	< 0.5	< 0.5	1	< 0.5	< 0.5	< 0.0023	**	w es	
	06/10/08		200	82	<0.5	<0.5	2	< 0.5	< 0.5	.au .au			

1 avic 4

Groundwater Analytical Results - Oxygenate Compounds

							Harris Harris			DISSOLVED	PDIGATER	HEXAVALENT	
WELL ID	DATE	ÉTHANOL	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB			CHROMIUM	SVOCs
WELLID	DATE	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)	(ppm)	(ppm)	(ppb)
	`. `. `. `. `. `. `. `. `. `. `. `. `. `				· · · · (ppv)					(ppng)	(PPM)	(ррно)	(PPP)
MW-2	06/22/01	<4,000	290	690	<10	<10	<10	<10	<10				
	09/15/01	<1,000	500	790	<4.0	<4.0	<4.0	<4.0	<4.0				64 mm
	12/08/01		<100	110	<2	<2	4	<2	<2	min tea	un-iur	en im	N=
	03/06/02		<100	66	<2	<2	3	<2	<2				
	06/17/02		250	710	< 0.5	< 0.5	2	< 0.5	< 0.5		Va list	ew aw-	Makee
09/	09/16/02		120	610	< 0.5	< 0.5	3	< 0.5	< 0.5				
	12/23/02		57	370	< 0.5	< 0.5	3	< 0.5	< 0.5			***	
	03/05/03		130	800	< 0.5	< 0.5	1	< 0.5	< 0.5			PAC 2000	
	06/14/03		170	780	0.5	< 0.5	2	< 0.5	< 0.5				***
	09/03/03		340	800	<1	<1	1	<1	<1		***	**	
	12/01/03	we.w.	200	280	< 0.5	< 0.5	2	< 0.5	< 0.5	un M			
	03/01/04		550	390	< 0.5	< 0.5	0.9	< 0.5	< 0.5			w ==	
	06/16/04		370	240	< 0.5	< 0.5	3	< 0.5	< 0.5			ww	
	09/10/04		540	390	< 0.5	< 0.5	0.8	< 0.5	< 0.5				
	12/18/04		<5	13	< 0.5	< 0.5	1	< 0.5	< 0.5			***	**
	03/18/05	==	880	150	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5				
	06/30/05		1,100	140	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	₩₩		π÷-	
	09/30/05		820	260	0.6	< 0.5	< 0.5	< 0.5	< 0.5				
	12/28/05		<5	7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**	M. W.		
	03/20/06		630	150	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	w w	. All No.	m- a	
	06/23/06		750	66	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	77 m			we
	09/22/06		860	190	0.6	< 0.5	< 0.5	< 0.5	< 0.5	m m	**	**	W. 60
	12/27/06		<2	3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5				
	03/28/07		<2	3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		w.m		
	06/11/07		9	6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	WE 497			No. 54
	09/11/07		510	280	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.0207	44.60	.u. ==	
	12/11/07		490	260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.0578		***	
	03/10/08		150	45	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.0044	***	24.534	
	06/10/08		180	53	<0.5	<0.5	< 0.5	< 0.5	< 0.5		***	₩ =	be on
	00/10/00		100	55	7010	-040	-010	-0.467					

Table 2
Groundwater Analytical Results - Oxygenate Compounds

										DISSOLVED	TRIVALENT	HEXAVALENT	
WELL ID	DATE	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	CHROMIUM	CHROMIUM	CHROMIUM	SVOCs
		(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(pph)	(pph)	(ppb)	(ppm)	(ppm)	(ppm)	(ppb)
MW-3	06/22/01	<200,000	<10,000	14,000	<500	< 500	< 500	<500	< 500	**	m a		WOOD .
	09/15/01	<25,000	1,600	14,000	<100	150	100	<100	<100	~ #		we em	***
	12/08/01	w.	3,100	14,000	< 5.0	120	140	<5.0	< 5.0	MATE.	***	AM 400	
	03/06/02		5,700	18,000	<5.0	100	190	< 5.0	<5.0	•	ann man	er en	****
	06/17/02		2,500	16,000	0.6	160	170	< 0.5	< 0.5	ww.	AM 300	4842 4881	
	09/16/02		700	11,000	<3	100	83	<3	<3				
	12/23/02		2,600	14,000	<5	120	160	<5	<5		444	SAM THAT	****
	03/05/03		3,200	11,000	<3	90	140	<3	<3	-	e-2A	997 PM	
	06/14/03		1,600	11,000	<3	90	110	<3	<3		40****	ere en	
	09/03/03		530	9,900	<5	72	65	<5	<5			AND SHIPE	
	12/01/03		5,200	4,100	<3	78	32	<3	<3			dipo mph.	
	03/01/04		8,500	5,200	<3	82	62	<3	<3			***	
	06/16/04		6,700	15,000	<5	160	190	<5	<5				*****
	09/10/04		3,000	5,700	<5	89	57	<5	<5		w		***
	12/18/04		5,800	7,900	<5	93	100	<5	<5				
	03/18/05	**	6,000	3,800	<3	68	47	<3	<3		***		
	06/30/05	**	10,000	2,100	<3	90	23	<3	<3		****		-
	09/30/05		5,400	2,000	1	100	21	< 0.5	< 0.5				
	12/28/05		6,300	6,800	<3	82	92	<3	<3			***	
	03/20/06		4,400	3,100	< 0.5	65	48	< 0.5	< 0.5				400
	06/23/06		6,800	4,500	<1	81	57	<1	<1			100 AG	
	09/22/06		4,500	7,100	<3	83	81	<3	<3	Deliver		***	
	12/27/06		5,900	3,400	<1	66	44	<1	<1			***	***
	03/28/07		5,400	2,400	<1	71	27	<1	<1		***		M4-438
	06/11/07		7,800	1,200	< 0.5	97	17	< 0.5	< 0.5			nga yan	
	09/11/07		8,500	1,300	< 0.5	99	17	< 0.5	< 0.5	0.0752	44-44	***	
	12/11/07		8,300	600	< 0.5	100	7	< 0.5	< 0.5	0.0534		Angl. spin	
	03/10/08	**	8,800	2,400	< 0.5	79	28	< 0.5	< 0.5	< 0.0023	w-w	Make Nation	
	06/10/08	tan ess	6,900	560	< 0.5	68	8	< 0.5	< 0.5				Mer

Table 2
Groundwater Analytical Results - Oxygenate Compounds

 	, , , , , , , , , , , , , , , , , , , 	, , . , , ,	, ,			Jan P	Caraei, Caii	Milla	************	71,			
											TRIVALENT H		delela nela neva n
WELL ID	DATE	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	iki kalenda kalenda kalenda kalenda kalenda kalenda kalenda kalenda kalenda kalenda kalenda kalenda kalenda ka	CHROMIUM (1-	SVOCs
		(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)	(ppm)	(ррт)	(ppb)
MW-4	06/22/01	<8,000	<400	900	<20	<20	<20	<20	<20		44.14		
	09/15/01	<1,000	480	940	<4.0	<4.0	<4.0	<4.0	<4.0				****
	12/08/01		170	830	<2	<2	<2	<2	<2		W.		
03	03/06/02		1,100	3,400	<2.0	24	19	<2.0	<2.0				
	06/18/02		290	1,100	< 0.5	4	3	< 0.5	< 0.5				
	09/16/02		140	760	< 0.5	1	1	< 0.5	< 0.5				
	12/23/02		110	900	< 0.5	1	< 0.5	< 0.5	< 0.5		<i></i>	-10.	
	03/05/03	Co Mil	890	3,900	<1	36	32	<1	<1	w.#		man plan	***
	06/14/03		300	1,200	< 0.5	9	7	< 0.5	< 0.5		***	No Ser	
	09/03/03		310	960	<1	2	2	<1	<1		~ =		1644 4484
1	12/01/03	~~	570	800	< 0.5	1	< 0.5	< 0.5	< 0.5		W. ##		
	03/01/04		1,500	3,800	<3	39	35	<3	<3				
	06/16/04	44:4A	960	400	< 0.5	5	2	< 0.5	< 0.5				w.m.
	09/10/04		1,200	180	< 0.5	1	< 0.5	< 0.5	< 0.5				
	12/18/04		1,000	140	< 0.5	2	< 0.5	< 0.5	< 0.5				
	03/18/05		1,800	1,800	<3	25	19	<3	<3		~~		***
	06/30/05		1,200	660	<1	12	8	<1	<1	No. 100			
	09/30/05		880	91	< 0.5	3	0.6	< 0.5	< 0.5				
	12/28/05		680	61	< 0.5	2	< 0.5	< 0.5	< 0.5		wm		***
	03/20/06		940	480	< 0.5	11	6	< 0.5	0.5				
	06/23/06		1,300	420	< 0.5	13	5	< 0.5	< 0.5				
	09/22/06		790	71	< 0.5	3	0.7	< 0.5	< 0.5	a. v.		2 00	
	12/27/06	00-70a	690	82	< 0.5	4	0.9	< 0.5	< 0.5			34 to	
	03/28/07		620	98	< 0.5	5	1	< 0.5	< 0.5			**	
	06/11/07		560	24	< 0.5	2	< 0.5	< 0.5	< 0.5	***			
	09/11/07	700 MM	680	30	< 0.5	2	< 0.5	< 0.5	< 0.5	0.0525	W-36		
	12/11/07		530	25	< 0.5	2	< 0.5	< 0.5	< 0.5	0.0301			
	03/10/08		900	110	< 0.5	7	1	< 0.5	< 0.5	< 0.0023	A 24	94 VIII-	
	06/10/08		470	14	< 0.5	2	< 0.5	<0.5	< 0.5			****	

Table 2
Groundwater Analytical Results - Oxygenate Compounds

							araci, Cam			DISSOLVED	TRIVALENT	HEXAVALENT	
WELL ID	DATE	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	CHROMIUM	CHROMIUM	CHROMIUM	SVOCs
		(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)	(ppm)	(ppm)	(ppb)
MW-5	09/11/07		220	190	< 0.5	12	3	< 0.5	< 0.5	0.0051	46.54	44.14	
	12/11/07		370	270	< 0.5	12	4	< 0.5	< 0.5	0.0054			<1-<20
	03/10/08		100	3	< 0.5	1	< 0.5	< 0.5	< 0.5	< 0.0023		44A PRI	<1-<20
	06/10/08	₩	130	5	<0.5	2	<0.5	<0.5	<0.5				***
MW-6	09/11/07		220	1,600	< 0.5	41	11	< 0.5	< 0.5	0.0187			
	12/11/07		210	1,300	<0.5	33	8	< 0.5	< 0.5	0.0107		We see	<1-<201
	03/10/08		1,400	580	< 0.5	32	3	< 0.5	< 0.5	<0.0023 ²		ww wa	<1-<20
	06/10/08		570	550	<0.5	34	3	<0.5	<0.5	_			400 dan
MW-7	04/07/08	10/94	100	160	<0.5	4	<0.5	<0.5	<0.5	<0.0023/0.0335 ²	0.033	<0.0050	<0.9-<6 ³
	06/10/08		210	330	<0.5	5	3	<0.5	<0.5	-w		""	

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-3553 949 Del Presidio Boulevard San Rafael, California

EXPLANATIONS:

TBA = t-Butyl alcohol

MTBE = Methyl Tertiary Butyl Ether

DIPE = di-Isopropyl ether

ETBE = Ethyl t-Butyl ether

TAME = t-Amyl methyl ether

1,2-DCA = 1,2 Dichloroethane

EDB = 1,2-Dibromoethane

SVOCs = Semi-Volatile Organic Compounds

(ppb) = Parts per billion

(ppm) = Parts per million

-- = Not Analyzed

NOTE: All other SVOC concentrations were below detection limits.

ANALYTICAL METHODS:

EPA Method 8260 for Oxygenate Compounds

EPA Method 6010B for Dissolved, Total and Trivalent Chromium

EPA Method 7196A for Hexavalent Chromium

EPA Method 8270 for SVOCs

Laboratory report indicates bis (2-Ethylhexyl) phthalate at 2 ppb.

Total Chromium.

Laboratory report indicates 2-Methylnaphthalene was detected at 30 ppb and Naphthalene at 96 ppb.

Table 3 Joint Groundwater Monitoring Data

Shell Service Station 950 Del Presidio Boulevard San Rafael, California

	Rafael, California	GWE
(94)	······································	(msl)
30.77	3.35	27.42
30.77	6.61	24.16
30.77	5.61	25.16
30.77	3.65	27.12
30.77	4.81	25.96
29.23	3.95	25.28
29.23	6.82	22,41
29.23	3.97	25.26
29.23	2.27	26.96
29.23	3.34	25.89
30.32	5.31	25.01
30.32	6.51	23.81
30.32	5.79	24.53
30.32	3.90	26.42
30.32	5.10	25.22
31.51	4.03	27.48
31.51	4.97	26.54
31.51	3.82	27.69
31.51	2.25	29.26
31.51	3.65	27.86
31.51	2.98	28.53
	30.77 30.77 30.77 30.77 30.77 29.23 29.23 29.23 29.23 29.23 29.23 30.32 30.32 30.32 30.32 31.51 31.51 31.51 31.51 31.51	30.77 3.35 30.77 6.61 30.77 5.61 30.77 3.65 30.77 4.81 29.23 3.95 29.23 6.82 29.23 3.97 29.23 2.27 29.23 3.34 30.32 5.79 30.32 5.79 30.32 3.90 30.32 3.90 30.32 5.10

EXPLANATIONS:

Joint groundwater monitoring data provided by Blaine Tech Services.

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

^{*} Site surveyed on June 4, 2007 by Virgil Chavez Land Surveying of Vallejo, CA.

¹ Joint monitoring was scheduled but not conducted on the same day as Chevron 9-3553.

Table 4 Joint Groundwater Monitoring Data

Valero Station #13781 930 Del Presidio Boulevard San Rafael, California

WELL ID/	TOC	DTW	GWE
DATE	(fi.)	(ft.)	(msl)
EA-1		1.21	22.04
06/11/07	27,45	4.61	22.84
$08/29/07^1$	27.45	5.88	21.57
12/11/07	27.45	4.56	22.89
$03/19/08^1$	27.45	4.13	23,32
06/10/08	27,45	3.39	24.06
EA-2			
06/11/07	27.43	5.49	21.94
08/29/071	27.43	6.03	21.40
12/11/07	27.43	5.36	22.07
03/19/08 ¹	27.43	3.19	24.24
06/10/08	27.43	3.21	24.22
EA-3			
06/11/07	26.83	5.42	21.41
08/29/07 ¹	26.83	6.17	20.66
12/11/07	26.83	4,57	22.26
03/19/08 ¹	26.83	4.35	22.48
06/10/08	26.83	5.43	21.40
EA-4			
06/11/07	29.90	3.43	26.47
08/29/071	29.90	8.38	21.52
12/11/07	29.90	1.89	28.01
03/19/08 ¹	29.90	3.23	26.67
06/10/08	29.90	3.23	26.67
EA-5			
06/11/07	26.70		77
08/29/07 ¹	26.70	10.13	16.57
12/11/07	26.70	9.36	17.34
03/19/08 ¹	26.70	8.76	17.94
06/10/08	26.70	2.07	24.63
EA- 7			
06/11/07	27.43	4.96	22.47
08/29/07 ¹	27.43	5.85	21.58
12/11/07	27.43	5.06	22.37
03/19/08 ¹	27.43	4.45	22.98
06/10/08	27.43	5.56	21.87

Table 4 Joint Groundwater Monitoring Data

Valero Station #13781 930 Del Presidio Boulevard San Rafael, California

	Sali Naidei	, California	
WELL ID/	TOC	DTW	GWE
DATE	(fi.)	(ft.)	(msl)
EA-8			
06/11/07	27.68	5.96	21.72
08/29/071	27.68	**	₩.
12/11/07	27.68	5.05	22.63
03/19/081	27.68	4.23	23.45
06/10/08	27.68	6.15	21.53
EA-9			
06/11/07	27.96	5.58	22.38
08/29/071	27.96	5.71	22.25
12/11/07	27.96	5.42	22.54
03/19/081	27.96	5.49	22.47
06/10/08	27.96	5.52	22.44
EA-10			22.70
06/11/07	27.11	3.32	23.79
08/29/071	27.11	4.41	22.70
12/11/07	28.11	3.94	24.17
03/19/08 ¹	28.11	3.37 3.74	24.74 24.3 7
06/10/08	28.11	wJ + / "F	24.07
EA-11	07.75	C 0.4	20.63
06/11/07	26.67	6.04	19.99
08/29/07 ¹	26.67	6.68	
12/11/07	26.67	6.38	20.29 22.24
03/19/08 ¹	26.67	4.43	21.11
06/10/08	26.67	5.56	21.11
EA-12			
06/11/07	26.56	8.85	17.71
08/29/07 ¹	26.56	7.88	18.68
12/11/07	26.56	6.39	20.17
03/19/08 ¹	26.56	5.67	20.89
06/10/08	26.56	3.25	23.31
EA-13			
06/11/07	25.49	5.47	20.02
08/29/071	25.49	9.45	16.04
12/11/07	25.49	12.29	13.20
$03/19/08^1$	25.49	2.94	22.55
06/10/08	25.49	5.44	20.05

Table 4 Joint Groundwater Monitoring Data

Valero Station #13781 930 Del Presidio Boulevard San Rafael, California

	San Rafael	, California	
WELL ID/	TOC	DTW	GWE
DATE	(fi.)	(ft.)	(msl)
EA-14			
06/11/07	25.53	3.98	21.55
08/29/07 ¹	25.53	2.94	22.59
12/11/07	25.53	1.83	23.70
03/19/081	25.53	1.20	24.33
06/10/08	25.53	3.15	22.38
EA-15			
06/11/07	26.55	5.37	21.18
08/29/071	26.55	6.36	20.19
12/11/07	26.55	4.30	22.25
03/19/08 ¹	26.55	3.67	22.88
06/10/08	26.55	5.55	21.00
EA-16			
06/11/07	24.80	6.85	17.95
08/29/071	24.80	8.62	16.18
12/11/07	24.80	8.00	16.80
03/19/08 ¹	24.80	5.79	19.01
06/10/08	24.80	6.96	17.84

Table 4

Joint Groundwater Monitoring Data

Valero Station #13781 930 Del Presidio Boulevard San Rafael, California

EXPLANATIONS:

Joint groundwater monitoring data provided by Groundwater & Environmental Services.

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

-- = Not Measured / Not Analyzed

Joint monitoring was scheduled but not conducted on the same day as Chevron 9-3553.

Table 4

Joint Groundwater Monitoring Data

76 Station #4774 Del Presidio Boulevard San Rafael, California

WELL ID/	TOC	DTW	GWE
DATE	(ft.)	(ft.)	(msI)
MW-1			
06/10/08	28.12	10.52	17.60
MW-2			
06/10/08	27.40	6.98	20.42
MW-3			
06/10/08	27.70	5,65	22.05

EXPLANATIONS:

Joint groundwater monitoring data provided by TRC.

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by IWM to Chemical Waste Management located in Kettleman Hill, California.



WELL MONITORING/SAMPLING FIELD DATA SHEET

este um l'ima dit.	Chevron #9-3553	Job Number:	3864 46	
Client/Facility#:	949 Del Presidio Blvd.	Event Date:	6-10-8	Ľ(inclusive)
Site Address:		Sampler:	FT	
City:	San Rafael, CA			
1115	MW- \	Date Monitored:	6-10-8	·····
Well ID	2 in.	Volume 3/4"= 0.02	1"= 0.04 2"= 0.17 3"= 0.	38
Well Diameter	19.55 ft.	Factor (VF) 4"= 0.66		80
Total Depth	Chook if	voter column is less then 0.50	ft.	
Depth to Water	10 2V xVF 17 =	1.73 x3 case volume =	Estimated Purge Volume: 5.3	gal.
Double to Motor	w/ 80% Recharge [(Height of Water Col	umn x 0.20) + DTW]: 11.37		(2400 hrs)
Depth to water	M. 90 % Lectionage Kinglish of Lines		Time Started: Time Completed:	(2400 hrs)
Purge Equipment:	Sampling	Equipment:	Depth to Product:	ft
Disposable Bailer	Disposable	e Bailer	Depth to Water:	
Stainless Steel Baile	Pressure I		Hydrocarbon Thickness:	Oυπ
Stack Pump	Discrete B			
Suction Pump	Peristaltic	<u></u>	Skimmer / Absorbant Sock (d	
Grundfos		der Pump	Amt Removed from Skimmer Amt Removed from Well:	
Peristaltic Pump		re	Water Removed:	
QED Bladder Pump			Product Transferred to:	
Other:				
Sample Time/D Approx. Flow R	ate:gpm. Ser? If yes, Time: Volume (gal.) pH Co	Vater Color: V-T- 6μμ. Sediment Description: Volume: Inductivity	Odor: OIN	
×	LABO	RATORY INFORMATION	y ANALYSES	
SAMPLE ID	(#) CONTAINER REFRIG. PR	ESERV. TYPE LABORATOR	TO CONTRACT OF THE PROPERTY OF	0)/
MW- Ì	x voa vial YES	HCL LANCASTER	7 OXYS (8260)	,
	2			
COMMENTS:	Workness 8 01			
Add/Replace	d Lock: Add/Rep	laced Plug:	Add/Replaced Bolt:	



Client/Facility#:	Chevron #9-355	3	J	ob Number:	386446	
Site Address:	949 Del Presidio			vent Date:	6.10.8	 (inclusive)
City:	O D-f-ol CA		9	Sampler:		
					1	
Well ID	MW- 2		Date	e Monitored:	6.10-8	
Well Diameter	2 in.		Volume	3/4"= 0.02		3"= 0.38 12"= 5.80
Total Depth	1896 tt.		Factor (VI			
Depth to Water	7.38 ft.	**************************************	ck if water column is	s less then 0.50	ft. Estimated Purge Volume:	له، الله gal.
Denth to Water	xV w/ 80% Recharge [(H	F l leight of Wat	= 170 > er Column x 0.20) + D	TW]: <u> </u>	Time Started:	
Берино насе	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,	Time Completed:	(2400 hrs)
Purge Equipment:			pling Equipment:		Depth to Product:	
Disposable Bailer			osable Bailer	/	Depth to Water:	
Stainless Steel Baile	er		sure Bailer		Hydrocarbon Thickne Visual Confirmation/E	Description:
Stack Pump			rete Bailer			/
Suction Pump			staltic Pump) Bladder Pump		Skimmer / Absorbani	Sock (circle one)
Grundfos		<u>-</u>	•		Amt Removed from S	Skimmer:gal Well:gal
Peristaltic Pump		One	3L:		Water Removed:	
QED Bladder Pump					Product Transferred	to:
Other:						
			NA 11 C	dition of	401	
Start Time (purg	je): <u>1255</u>		Weather Cond	illoris		
Sample Time/D	ate: <u>1317 / 6</u>	10.8				(cs
Approx. Flow R	ate:91	pm.	Sediment Des		S.SILTY	- G 2 A
Did well de-water		es, Time: _	Volum	ie:	gal. DTW @ Samplin	19. <u>X-20</u>
	·		Conductivity	Temperature	D.O.	ORP
Time	Volume (gal.)	pН	(μmhos/cm - μS)	(C)/F)	(mg/L)	(mV)
(2400 hr.)			and			
1259	_ 2 = 4	<u> کرک</u> .	<u> </u>	- <u>7.7.4</u>		
1303	<u> </u>	<u>. 70</u> .	956	-1/3		
1307	<u> </u>	· 8 t .	961	21.3		·····
			ABORATORY IN PRESERV. TYPE	FORMATION LABORATOR	y ANA	LYSES
SAMPLE ID	(")	REFRIG. YES	HCL	LANCASTER	THE PARTY OF THE VALUE OF THE V	BE(8260)/
MW- 2	(e x voa vial	YES	FIOL	<u> </u>	7 OXYS (8260)	
<u></u>						
COMMENTS:	Mon	لروي	8" OK	<u> </u>		
COMMENTO.						
					Add/Replaced Bolt	
Add/Replace	d Lock:	Add/	Replaced Plug: _	<u></u>	Aud/Lehlaced poir	*



or um_tsuds	Chevron #9-35	553	Job Number:	386 446	
Cilcilor dominy	949 Del Presio		Event Date:	6.10.3	(inclusive)
Che / lac	San Rafael, C		Sampler:	FT	
City.				<u> </u>	
Well ID	MW- 3		Date Monitored:	6.10.8	3"= 0.38
Well Diameter	2 in.		Volume 3/4"= 0.0		3 = 0.36 12"= 5.80
Total Depth	19.72 ft.		7 00.01 (1.7)		
Depth to Water	10-20 ft.	Check if water	column is less then 0.5	U Π.	5. ℃ gal.
	9.22	VF1 = 1.3	x3 case volume	= Estimated Purge Volume:	994
Depth to Water v	v/ 80% Recharge [(Height of Water Column:	x 0.20) + DTWJ: 12	Time Started:	(2400 hrs)
	/	Sampling Equi	/	Time Completed:	
Purge Equipment:		Disposable Bail	/	Depth to Product:	
Disposable Bailer	/	Disposable dali Pressure Bailer		Hydrocarbon Thicks	
Stainless Steel Bailer		Discrete Bailer		Visual Confirmation	Description:
Stack Pump		Peristaltic Pum	D		
Suction Pump		QED Bladder P		Skimmer / Absorba	nt Sock (circle one) : Skimmer:gal
Grundfos	<u> </u>	Other:			Well:gal
Peristaltic Pump QED Bladder Pump	,			Water Removed:	
Other:				Product Transferre	d to:
Offici					
Approx. Flow Ra Did well de-wate Time (2400 hr.)		gpm. Sedir yes, Time: pH Conduct (\(\pm\)mhos/cn	tivity Temperature n - μS) (C / F)	gal. DTW @ Sampl D.O. (mg/L)	ing: <u>10、5</u>
1202	$-\frac{1.5}{30}$	0.85 102	<u> </u>		
1512	5.8	82 103	6 20.9		
		LABORA	TORY INFORMATION	V	ALVEE
SAMPLE ID	(#) CONTAINER		RV. TYPE LABORATO	The second secon	ALYSES TBE(8260)/
MW- \$	🕼 x voa vial	YES H	CL LANCASTE	7 OXYS (8260)	, , , , , , , , , , , , , , , , , , , ,
	1 2				
COMMENTS:	Bo	ant 2.8"			
Add/Replaced		Add/Renlace	d Plug:	Add/Replaced Bo	lt:



Client/Facility#:	Chevron #9-35	553	J	lob Number: 🗳	3864 46	
Site Address:	949 Del Presio			Event Date:	6.10.3	(inclusive)
	San Rafael, CA			Sampler:	F	
City:	Carricated, C.			•		
Well ID	MW- 4		Dat	e Monitored:	610.8	
Well Diameter	2 in.		Volume	3/4"= 0.02	1"= 0.04 2"= 0.1	
Total Depth	1835 ft.		Factor (V	,	5"= 1.02 6"= 1.5	60 12"= 5.80
Depth to Water	:- ^^ #	Che	ck if water column i	s less then 0.50 f	t.	4 \ ~
•	× 4× >	(VF1) }_	<u> </u>	k3 case volume = E	stimated Purge Volum	e: _gal.
Depth to Water	w/ 80% Recharge [(Height of Wat	er Column x 0.20) + D	тwj: <u>12-15 </u>	Time Started:	(2400 hrs)
Purge Equipment:	<i>y</i> .	Sam	pling Equipment:		H	(2400 hrs) :ft
Disposable Bailer		Disp	osable Bailer		Depth to Water:_	ft
Stainless Steel Baile	er	Pres	sure Bailer		Hydrocarbon Thi	ckness:ft
Stack Pump			rete Bailer		Visual Confirmati	on/Description:
Suction Pump			staltic Pump			bart Sock (circle one)
Grundfos) Bladder Fump			om Skimmer:gal
Peristaltic Pump		Othe	er:			om Well: gal :
QED Bladder Pump					Product Transfer	red to:
Other:						
			Weather Cond	ditions:	HOT	
Start Time (purg	je): <u>1400</u>	3.63			Odor: 1 N	
Sample Time/D	ate: 1425 16	10.8	Water Color:		.000.007.10	
• •	**************************************	gpm.	Sediment Des	scription.	al DTM @ Sam	pling: 10.85
Did well de-wat	er? <u>りち</u> If:	yes, Time: _	Volun	ie:	gai. Diw @ com	p9
Time (2400 hr.)	Volume (gal.)	рH	Conductivity (μmhos/cm - μS)	Temperature (© / F)	D.O. (mg/L)	ORP (mV)
411-01	1	6.50	1460	21.4_		
1404 1408	3.5	68F	1452	Z1.1		
1 11 11	4.0	83	1442_	768		
					-	
			I DODATODY IN	FORMATION		
CAMBIE ID	(#) CONTAINER	REFRI G .	ABORATORY IN PRESERV. TYPE	LABORATORY		NALYSES
SAMPLE ID MW- U	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+	MTBE(8260)/
MAA. A	No.				7 OXYS (8260)	
					<u> </u>	
			11302 8 ¹¹	01-		
COMMENTS:	4	<u> </u>				
			Replaced Plug: _		A 1.16D -12 F	Bolt:



Client/Facility#: Chevron #9-3553
Vell ID MW- 5 Date Monitored: Volume Sampler: FT Volume Sampler: FT Volume Sampler: Sampler: Sampler: Sampler: Sampler: Sampler: Sampler: Sampler: Sampler: Sampling Equipment: Disposable Bailer Stack Pump Suction Pump Suction Pump Sempling Equipment Sampling Equipment: Disposable Bailer Stack Pump Suction Pump Sempling Equipment Sampling Equipment Sampling Equipment: Sampling Equipment: Disposable Bailer Stack Pump Suction Pump Sempling Equipment Sampling Equipment Sampling Equipment: Disposable Bailer Stack Pump Suction Pump Sempling Equipment Sampling Equipment: Sampling Equipment
Well ID MW-5
Well Diameter Ze In Volume 3/4" = 0.02 1" = 0.04 2" = 0.17 3" = 0.38 Factor (VF) 4" = 0.66 5" = 1.02 6" = 1.50 12" = 5.80
Volume
Total Depth Zo.1C ft. Factor (VF) 4"= 0.66 5"= 1.02 6"= 1.50 12"= 5.80
Depth to Water
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 4.5C Purge Equipment:
Purge Equipment: Disposable Bailer Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump Other: Start Time (purge): Sampling Equipment: Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Pressure Bailer Discrete Bailer Discrete Bailer Peristaltic Pump Other: Skimmer / Absorbant Sock (circle one) Amt Removed from Skimmer: gal Amt Removed from Well: gal Water Removed: Product Transferred to: Start Time (purge): Sample Time/Date: Approx. Flow Rate: Did well de-water? Did well de-water? Time (2400 hr.) Sampling Equipment: Disposable Bailer Depth to Product: ft Hydrocarbon Thickness: Skimmer / Absorbant Sock (circle one) Amt Removed from Well: gal Water Removed: Product Transferred to: Dodor: Y / (D) Sampling: Gal DTW @ Sampling: Disposable Bailer Depth to Water: Skimmer / Absorbant Sock (circle one) Amt Removed from Well: Gal Date Removed: Product Transferred to: Dodor: Y / (D) Sampling: Disposable Bailer Depth to Water Semily to perhations of the product Skimmer / Absorbant Sock (circle one) Amt Removed from Well: Gal Date Removed: Depth to Water Semilar Hydrocarbon Thickness: Skimmer / Absorbant Sock (circle one) Amt Removed from Well: Och Transferred to: Depth to Water Semilar Hydrocarbon Thickness: Skimmer / Absorbant Sock (circle one) Amt Removed from Well: Och Transferred to: Depth to Water Semilar Hydrocarbon Thickness: Skimmer / Absorbant Sock (circle one) Amt Removed from Well: Och Transferred to: Depth to Water Semilar Hydrocarbon Thickness: To water Semilar Hydrocarbon Thickness: To water Semilar Hydrocarbon Thickn
Disposable Bailer Disposable Bailer Disposable Bailer Pressure Bailer Pressure Bailer Discrete
Disposable Bailer Stainless Steel Bailer Discrete Bailer Discrete Bailer Discrete Bailer Discrete Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump Other: Skimmer / Absorbant Sock (circle one) Amt Removed from Skimmer: GED Bladder Pump Other: Start Time (purge): Start Time (purge): Sample Time/Date: Approx. Flow Rate: gpm. Sediment Description: Weather Conditions: Water Color: Approx. Flow Rate: gpm. Sediment Description: Did well de-water? Volume (gal.) Pressure Bailer Hydrocarbon Thickness: ft Visual Confirmation/Decription: Skimmer / Absorbant Sock (circle one) Antt Removed from Well: yall Water Removed: Product Transferred to: Odor: Y / Or Sediment Description: Did well de-water? Volume (gal.) PH Conductivity Temperature D.O. ORP (mg/L) (mV)
Stack Pump Suction Pump Peristaltic Pump Grundfos Peristaltic Pump Other: Skimmer / Absorbant Sock (circle one) Amt Removed from Well: gal Amt Removed: Product Transferred to: Start Time (purge): Start Time (purge): Sample Time/Date: Approx. Flow Rate: Did well de-water? Visual Confirmation/Deccription: Skimmer / Absorbant Sock (circle one) Amt Removed from Well: gal Water Removed: Product Transferred to: Odor: Y / O Sediment Description: Volume: gal. DTW @ Sampling: Conductivity Temperature (2400 hr.) Time (2400 hr.) Volume (gal.) pH Conductivity Temperature (umhos/cm - µS) (C / F) (mg/L) (mV)
Stack Pump Suction Pump Grundfos QED Bladder Pump Other: Start Time (purge): Start Time (purge): Start Time/Date: Approx. Flow Rate: Did well de-water? Volume (gal.) Peristaltic Pump Other: Weather Conditions: Weather Conditions: Water Removed: Product Transferred to: Odor: Y / (W) Skimmer / Absorbant Sock (circle one) Amt Removed from Skimmer: gal Amt Removed from Well: Product Transferred to: Odor: Y / (W) Sample Time/Date: Approx. Flow Rate: gpm. Sediment Description: Volume: gal. DTW @ Sampling: Le S Time (2400 hr.) Volume (gal.) PH Conductivity Temperature (ymhos/cm - µS) COI F) Conductivity Temperature (mg/L) Mater Absorbant Sock (circle one) Amt Removed from Skimmer: gal Amt Removed from Well: Product Transferred to: Odor: Y / (W) Sampling: D.O. ORP (mg/L) (mV)
Grundfos GED Bladder Pump Other: Amt Removed from Skimmer: gal Amt Removed from Well: gal Water Removed: Product Transferred to: P
Peristaltic Pump OED Bladder Pump Other: Start Time (purge): Sample Time/Date: Approx. Flow Rate: Did well de-water? Time (2400 hr.) Other: Other: Weather Conditions: Weather Conditions: Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Color: Odor: Y / Water Removed:
QED Bladder Pump Water Removed: Product Transferred to: Start Time (purge): Sample Time/Date: 12.17 / 6.10 % Water Color: 226 A. Odor: Y / ΩV Approx. Flow Rate: gpm. Sediment Description: Did well de-water? Volume: gal. DTW @ Sampling: 6.65 Time (2400 hr.) Volume (gal.) pH Conductivity Temperature (2400 hr.) (mg/L) (mg/L) (my/L)
Other: Product Transferred to: Start Time (purge): Weather Conditions: Sample Time/Date: 1217 / 6 10 8 Water Color: Odor: Y / (D) Approx. Flow Rate: gpm. Sediment Description: Did well de-water? UC If yes, Time: Volume: gal. DTW @ Sampling: Time (2400 hr.) Volume (gal.) pH Conductivity Temperature (mg/L) D.O. ORP (mg/L)
Start Time (purge): 1155 Weather Conditions: Use Sample Time/Date: 1217/6/10/8 Water Color: CEA Odor: Y/OV Approx. Flow Rate: gpm. Sediment Description: Did well de-water? Volume: gal. DTW @ Sampling: 6.65 Time (2400 hr.) Volume (gal.) pH Conductivity Temperature (my/L) (mg/L) (my/L)
Start Time (purge): Sample Time/Date: 12.17 / 6.10 % Water Color: CEA Odor: Y / 6.10 % Water Color: CEA Odor: Y / 6.10 % Odor
Sample Time/Date: 12.17 / 6.10 8 Water Color: CEA Odor: Y / 6 Approx. Flow Rate: gpm. Sediment Description: Did well de-water? Volume: gal. DTW @ Sampling: 6.65 Time (2400 hr.) Volume (gal.) pH Conductivity Temperature (my/L) (mg/L) (my/L)
Approx. Flow Rate:gpm. Sediment Description: Did well de-water?lf yes, Time:Volume:gal. DTW @ Sampling:
Did well de-water? Volume: gal. DTW @ Sampling: 6.65 Time (2400 hr.) Volume (gal.) pH Conductivity Temperature D.O. ORP (μmhos/cm - μS) (C/F) (mg/L) (mV)
Time Volume (gal.) pH Conductivity Temperature D.O. ORP (2400 hr.) (2400 hr.) (mV)
Time Volume (gal.) pH Conductivity Temperature (mg/L) (mV) (2400 hr.)
(2400 hr.) Volume (gai.) pri (umhos/cm - µS) (C)/ F) (mg/L) (my/L)
$\frac{1}{100}$ $\frac{2}{100}$ $\frac{708}{100}$ $\frac{509}{100}$ $\frac{213}{100}$ $\frac{213}{100}$
1205 50 699 526 209
1209 70 691 558 203
LADODATODY INFORMATION
LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES PRESERV. TYPE LABORATORY ANALYSES
SAMPLE ID (#) CONTAINED YES HCL LANCASTER TPH-G(8015)/BTEX+MTBE(8260)/
7 OXYS (8260)
Carlo 12"
COMMENTS: EM 12" OIC
COMMENTS: EM 12" OIC
COMMENTS: EM 12" 61C Add/Replaced Plus: Add/Replaced Bolt:



Client/Facility#:	Chevron #9-3553	}	Job Numbe	r: 3864 46	
Site Address:	949 Del Presidio		Event Date	6.10-8	(inclusive)
			Sampler:	FC	
City:	<u>Cum Nordon</u> - 1				
Well ID	MW- Le_		Date Monitore	d: 6.10.8	
Well Diameter	2 in.		Volume 3/4"=	0.02	= 0.17 3"= 0.38
Total Depth	20.00 ft.		Factor (VF) 4"=	0.66 5"= 1.02 6"=	1.50 12"= 5.80
Depth to Water	G 78 ft	Check if wate	r column is less then	0.50 ft.	
•	xVE	17 = 1.	73 x3 case volun	ne = Estimated Purge Vo	lume: S . O gal.
Depth to Water	w/ 80% Recharge ((Hei	ght of Water Column	x 0.20) + DTW]:	8	(2400 hrs) ted: (2400 hrs)
Purge Equipment:		Sampling Equ	ipment:		duct:ft
Disposable Bailer		Disposable Bai	ler		er:ft
Stainless Steel Baile	et	Pressure Bailer		Hydrocarbon	Thickness:ft
Stack Pump		Discrete Bailer		Visual Confin	mation/Description:
Suction Pump		Peristaltic Pum		Skimmer / Ab	osorbani Sock (circle one)
Grundfos		QED Bladder P	ump	Amt Remove	d trom Skimmer: gal
Peristaltic Pump		Other:		Amt Remove	d from Well: gal
QED Bladder Pump				Water Remo	ved: asferred to:
Other:				Product Trans	15/61/60 to
Start Time (purg	e): <u>1230</u>	Wear	ther Conditions:	HOT	
Sample Time/D	ate: 1249/6-1	ی $\sqrt{8}$ Wate	er Color: CLEAN	Odor: Ø / N	405
Approx. Flow R			ment Description:	B-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
npprox. From the	er? No If yes	Time:	Volume:	gal. DTW @ S	ampling: 9.87
Dio well de-war					
Time (2400 hr.)	Volume (gal.)	pH <u>(µmhos/cr</u>	^		ORP (mV)
1234	i. 7.	07 136	<u>y Z1-1</u>		#
1238	- 35 1	<u> </u>	$\frac{3}{2}$	<u> </u>	
1242	5.0 6.	97 143	5 Zo.		Alexander de la constanta de l
	· .				
		LABORA	TORY INFORMATI	ON	AMALVOEC
SAMPLE ID	(*) 001111111211		RV. TYPE LABORAT		ANALYSES EX+MTBE(8260)/
MW- 6	x voa vial	YES H	CL LANCAS	7 OXYS (8260)	
	2				
COMMENTS:	Cum	12" OK"			
COMMENTO.	Imile				
				A .) 138733	A Dalt.
Add/Replace	d Lock:	Add/Replaced	d Plug:	_ Add/Keplace	ed Bolt:



Oliona/English	Chevron #9-35	553		Job Number:	38644 6	
Client/Facility#: Site Address:	949 Del Presio			Event Date:	6.10.8	(inclusive)
*****	San Rafael, C		***************************************	Sampler:	FT	
City:	San Nataci, Or					
Well ID	MW- 7		Da	te Monitored:	6-10-8	
Well Diameter	2 in.		Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38
Total Depth	20.00 ft.		Factor (\	/F) 4"= 0.66	5"= 1.02 6"= 1.50	12"= 5.80
Depth to Water	8 60 ft	Ch Ch	eck if water column	is less then 0.50	ft.	
,	1) 40 ×	OF 17	= 1.93	x3 case volume = l	Estimated Purge Volume:	ورين gal.
Depth to Water	w/ 80% Recharge [(Height of Wa	ater Column x 0.20) + I	отwj: <u>i, D-88</u>	Time Started:	(2400 hrs)
	/		npling Equipment:		Time Completed:	3
Purge Equipment:			posable Bailer		Depth to Product: Depth to Water:	
Disposable Bailer Stainless Steel Baile	ər		ssure Bailer		Hydrocarbon Thickne	ess:ft
Stack Pump		Dis	crete Bailer		Visual Confirmation/	Description:
Suction Pump		Per	istaltic Pump		Skimmer / Absorban	(Sock (circle one)
Grundfos			D Bladder Pump		Amt Removed from	Skimmer:gal
Peristaltic Pump	<u>,</u>	Oth	er:		Amt Removed from ' Water Removed:	Well:gal
QED Bladder Pump					Product Transferred	to:
Other:						
			Weather Con	ditions:	HOT	
	(e): <u>1430</u>	5	Water Color:	-		1 CS
	ate: 1450 / C		Sediment De			
		gpm.	Volun		gal. DTW @ Samplir	na: 902
Did well de-wat	er? <u>Uc</u> If y	es, ime.	VOlus	ne	92 2	
Time (2400 hr.)	Volume (gal.)	pН	Conductivity (μmhos/cm - μS)	Temperature (6 / F)	D.O. (mg/L)	ORP (mV)
411716	2.0 (094	6010	211		
1737	- - 4.0 6	: 92	622	208		
1935	- be 6	×.89	635	20.4		······································
1.7.1		w				
			ADODATODY IN	IFORMATION		
CAMPLEID	(#) CONTAINER	REFRI G .	ABORATORY IN PRESERV. TYPE	LABORATORY		LYSES
SAMPLE ID	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MT	BE(8260)/
10100-	12				7 OXYS (8260)	
				<u> </u>		
COMMENTS:						
O O MINIE I VI						
			······································			
		الدلد ۸	Poplaced Plus:		Add/Replaced Bolt	
Add/Replace	d Lock:	Add/	'Replaced Plug: _		, .u.u	

Chevron California Region Analysis Request/Chain of Custody

Group #: 005352

For Lancaster Laboratories use only

Sample # 5387074-81

40ct #: 10964

Lancaster Laboratories

Must meet lowest detection limits ESS 8638 T = Thiosulfate Time Time Time Time possible for 8260 compounds _oxy's on highest hit Confirm highest hit by 8260 Preservative Codes B = NaOH oxy's on all hits 1095658 O = Other ☐ J vartue reporting needed ☐ Confirm all hits by 8260 ☐ Run _____ oxy's on higher 000 1 mg 8021 MTBE Confirmation Comments / Remarks Date Date Date Š **S** = H₂SO₄ N=HNO3 res Custody Seals Intact? Received by: Received by: Received by DEC Analyses Requested Preservation Codes DOUDON DEST DOMOSSIO Time Time Тіте borteM (09 301.0 Date Date Date asse full scan PH 8015 MOD DRO Silica Gel Cleanup D. 3. 40 9 PH 8015 MOD GRO □ 1208 Relinquished by Commercial Carrier. 1 Matrix ≲ВОЫ 🗆 Temperature Upon Receipt Vater eldsto9 🗌 lio8 Refinquished by: eticoqmoC Relinquished by: Reinquished by Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568 guap Facility #: SS#9-3553@MD G-R#386446 Global ID#T0604100157 061648-62 Collected Fax #:925-551-7899 Time 420 が いて 1520 1249 6 (deanna@grinc.com) Lead Consultan CRAPL Site Address,949 DEL PRESIDIO BLVD., SAN RAFAEL, CA Coeft Deliverable not neessoF/EDD Collected 6.10.8 Date Frank TEmeryous Lymaround Time Requested (TAT) (please circle) 5 day Data Package Options (please circle if required) MW-2 4-14 **スシ**ーの 7-7-5 アンプ ۲-ا Consultant Prj. Mgr. Deanna L. Harding \$ Consultant Phone #925-551-7555 Type I - Full 4 day Sample Identification Type VI (Raw Data) Chevron PMAC WIP (RWQCB) QC Summary Sampler 24 hour

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

4804.01 (north) Rev. 10/12/06



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ANALYTICAL RESULTS

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

925-842-8582 GENERAL CONTRACTORS

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1095658. Samples arrived at the laboratory on Thursday, June 12, 2008. The PO# for this group is 0015025028 and the release number is COSTA.

Client Description	<u>Lancaster Labs Number</u>
QA-T-080610 NA Water	5387074
MW-1-W-080610 Grab Water	5387075
MW-2-W-080610 Grab Water	5387076
MW-3-W-080610 Grab Water	5387077
MW-4-W-080610 Grab Water	5387078
MW-5-W-080610 Grab Water	5387079
MW-6-W-080610 Grab Water	5387080
	5387081
MW-7-W-080610 Grab Water	220700.

ELECTRONIC COPY TO

CRA c/o Gettler-Ryan

Attn: Cheryl Hansen



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Questions? Contact your Client Services Representative Angela M Miller at (717) 656-2300

Respectfully Submitted,

Michele M. Turner

middele M. Turner

Director



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Lancaster Laboratories Sample No. WW5387074

Group No. 1095658

QA-T-080610 NA Water Facility# 93553 Job# 386446 GRD 949 Del Presidio-San Rafael T0604100157 QA

Collected:06/10/2008

Account Number: 10904

Submitted: 06/12/2008 09:20

Chevron

Reported: 06/26/2008 at 19:13

6001 Bollinger Canyon Rd L4310

Discard: 07/27/2008

San Ramon CA 94583

3663Q

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
06054	ETEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0,5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	06/15/2008 23:51	Martha L Seidel	3
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	06/19/2008 12:03	Ginelle L Feister	3
01146	GC VOA Water Prep	SW-846 5030B	1	06/15/2008 23:51	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	ı	06/19/2008 12:03	Ginelle L Feister	1



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Lancaster Laboratories Sample No. WW5387075

Group No. 1095658

MW-1-W-080610 Grab Water

Facility# 93553 Job# 386446 GRD

949 Del Presidio-San Rafael T0604100157 MW-1

Collected:06/10/2008 13:46 by FT

Submitted: 06/12/2008 09:20

Reported: 06/26/2008 at 19:13

Discard: 07/27/2008

Account Number: 10904

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

36631

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01728	TPH-GRO - Waters	n.a.	300.	50.	ug/l	1
06610	TPH-DRO (Water) w/Si Gel	n.ā.	170.	50.	ug/l	1
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	82.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	2.	0.5	ug/l	3
02015	t-Butyl alcohol	75-65-0	200.	2.	ug/l	1
05401	Benzene	71-43-2	1.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1.2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	06/17/2008 22:03	Steven A Skiles	1
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/17/2008 03:01	Diane V Do	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	06/20/2008 03:19	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/17/2008 22:03	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/20/2008 03:19	Michael A Ziegler	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	ו	06/16/2008 09:00	Kelli M Barto	1



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Lancaster Laboratories Sample No. WW5387076

Group No. 1095658

MW-2-W-080610 Grab Water Facility# 93553 Job# 386446 GRD

949 Del Presidio-San Rafael T0604100157 MW-2

Collected:06/10/2008 13:17

Submitted: 06/12/2008 09:20

Reported: 06/26/2008 at 19:13

Discard: 07/27/2008

Account Number: 10904

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

36632

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01728	TPH-GRO - Waters	n.a.	1,000.	50,	ug/l	1
06610	TPH-DRO (Water) w/Si Gel	n.a.	550.	50,	ug/l	1
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	53.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	180.	2.	ug/l	1
05401	Benzene	71-43-2	13.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	3.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	2.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	3.	0.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	06/17/2008 22:36	Steven A Skiles	1
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/17/2008 03:20	Diane V Do	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	06/20/2008 03:42	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/17/2008 22:36	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/20/2008 03:42	Michael A Ziegler	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	06/16/2008 09:00	Kelli M Barto	<u>2</u>



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Lancaster Laboratories Sample No. WW5387077

Group No. 1095658

MW-3-W-080610 Grab Water Facility# 93553 Job# 386446 GRD

949 Del Presidio-San Rafael T0604100157 MW-3

Collected:06/10/2008 15:20 by FT

Submitted: 06/12/2008 09:20

Reported: 06/26/2008 at 19:13

Discard: 07/27/2008

Account Number: 10904

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

36633

			* *	As Received Method		Dilution
CAT		_	As Received	Detection	Units	Factor
No.	Analysis Name	CAS Number	Result	Limit	Units	1 40 001
01728	TPH-GRO - Waters	n.a.	6,000.	250.	ug/l	5
06610	TPH-DRO (Water) w/Si Gel	n.a.	2,000.	160.	ug/l	5
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	560.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	68.	0.5	ug/l	1
02013	t-Amyl methyl ether	994-05-8	8.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	6,900.	50.	ug/l	25
05401	Benzene	71-43-2	330.	3.	ug/l	5
05401	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	3.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
	Ethylbenzene	100-41-4	76.	0.5	ug/l	1
05415 06310	Xylene (Total)	1330-20-7	11.	0.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

		Laboracory	CILLO			Dilution
CAT				Analysis		
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
	•	SW-846 8015B modified	1	06/17/2008 23:08	Carrie E Youtzy	5
01728	TPH-GRO - Waters		1	06/17/2008 12:29	Diane V Do	5
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	7		Michael A Ziegler	7
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	06/20/2008 04:05	-	4
	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	06/20/2008 04:28	Michael A Ziegler	5
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	06/22/2008 23:14	Michael A Ziegler	25
06058		SW-846 5030B	*2	06/17/2008 23:08	Carrie E Youtzy	5
01146	GC VOA Water Prep	SW-846 5030B	7	06/20/2008 04:05	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	•	T .	06/20/2008 04:28	Michael A Ziegler	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2		_	
01163	GC/MS VOA Water Prep	SW-846 5030B	3	06/22/2008 23:14	Michael A Ziegler	25
02376	Extraction - Fuel/TPH (Waters)	SW-646 3510C	1	06/16/2008 09:00	Kelli M Barto	1



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Lancaster Laboratories Sample No. WW5387078

Group No. 1095658

MW-4-W-080610 Grab Water Facility# 93553 Job# 386446 GRD 949 Del Presidio-San Rafael T0604100157 MW-4 Collected:06/10/2008 14:20 by FT

Account Number: 10904

Submitted: 06/12/2008 09:20

Chevron

Reported: 06/26/2008 at 19:13

6001 Bollinger Canyon Rd L4310

Discard: 07/27/2008

San Ramon CA 94583

36634

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01728	TPH-GRO - Waters	n.a.	2,600.	50.	ug/l	1
06610	TPH-DRO (Water) w/Si Gel	n.a.	800.	50.	ug/l	1
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	14.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	2.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	470.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	0.8	0.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

	Laboratory Chronicie Analysis						
CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
01728	TPH-GRO - Waters	SW-846 8015B modified	1	06/17/2008 23:41	Steven A Skiles	1	
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/17/2008 03:56	Diane V Do	1	
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	06/20/2008 04:52	Michael A Ziegler	1	
01146	GC VOA Water Prep	SW-846 5030B	1	06/17/2008 23:41	Steven A Skiles	1	
01143	GC/MS VOA Water Prep	SW-846 5030B	1	06/20/2008 04:52	Michael A Ziegler	1	
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	06/16/2008 09:00	Kelli M Barto	1	



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Lancaster Laboratories Sample No. WW5387079

Group No. 1095658

MW-5-W-080610 Grab Water Facility# 93553 Job# 386446 GRD 949 Del Presidio-San Rafael T0604100157 MW-5

Collected:06/10/2008 12:17 by FT

Submitted: 06/12/2008 09:20

Discard: 07/27/2008

Reported: 06/26/2008 at 19:13

Account Number: 10904

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

36635

			As Received	As Received Method		Dilution
CAT No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01728	TPH-GRO - Waters	n.a.	61.	50.	ug/l	1
06610	TPH-DRO (Water) w/Si Gel	n.a.	63.	50.	ug/l	1
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	5.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	2.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	130.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1.2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

03 M	Analysis						
CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
NO. 01728	TPH-GRO - Waters	SW-846 8015B modified	1	06/18/2008 00:13	Steven A Skiles	1	
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/17/2008 04:14	Díane V Do	1	
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	ī	06/20/2008 05:15	Michael A Ziegler	1	
01146	GC VOA Water Prep	SW-846 5030B	1	06/18/2008 00:13	Steven A Skiles	1	
01148	GC/MS VOA Water Prep	SW-846 5030B	1	06/20/2008 05:15	Michael A Ziegler	3	
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	06/16/2008 09:00	Kelli M Barto	1	



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Lancaster Laboratories Sample No. WW5387080

Group No. 1095658

MW-6-W-080610 Grab Water Facility# 93553 Job# 386446 GRD 949 Del Presidio-San Rafael T0604100157 MW-6

Collected:06/10/2008 12:49 by FT

Submitted: 06/12/2008 09:20 Reported: 06/26/2008 at 19:13

Discard: 07/27/2008

Account Number: 10904

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

36636

			As Received	As Received Method		Dilution
CAT No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01728	TPH-GRO - Waters	n.a.	68.	50.	ug/l	1
06610	TPH-DRO (Water) w/Si Gel	n.a.	77.	50.	ug/l	1
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	550.	0.5	ug/l	1
02013	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	34.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	3.	0.5	ug/l	1
02014	t-Butyl alcohol	75-65-0	570.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05401	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05402	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1.2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05412	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

G3.50				Dilution		
CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
	TPH-GRO - Waters	SW-846 8015B modified	1	06/18/2008 00:46	Steven A Skiles	1
01728	TPH-DRO (Water) w/Si Gel	SW-846 8015B	3	06/17/2008 04:33	Diane V Do	1
06610		SW-846 8260B	1	06/20/2008 05:38	Michael A Ziegler	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 5030B	1	06/18/2008 00:46	Steven A Skiles	l
01146	GC VOA Water Prep	SW-846 5030B	3	06/20/2008 05:38	Michael A Ziegler	1
01163	GC/MS VOA Water Prep Extraction - Fuel/TPH	SW-846 3510C	1	06/16/2008 09:00	Kelli M Barto	2
02376	(Waters)	54 510 5510		•		



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Lancaster Laboratories Sample No. WW5387081

Group No. 1095658

MW-7-W-080610 Grab Water Facility# 93553 Job# 386446 GRD 949 Del Presidio-San Rafael T0604100157 MW-7

Collected: 06/10/2008 14:50 by FT

Submitted: 06/12/2008 09:20 Reported: 06/26/2008 at 19:13

Discard: 07/27/2008

Account Number: 10904

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

36637

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01728	TPH-GRO - Waters	n.a.	3,200.	50.	ug/l	5
06610	TPH-DRO (Water) w/Si Gel	n.a.	1,400.	50.	ug/l	1
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	330.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	5.	0.5	ug/l	1
02013	t-Amyl methyl ether	994-05-8	3.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	210.	2.	ug/l	1
05401	Benzene	71-43-2	200.	3.	ug/l	5
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	3.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	l
05412	Ethylbenzene	100-41-4	130.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	11.	0.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

		Laboratory	CIII O	Lilvic		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	06/18/2008 01:18	Steven A Skiles	5
01/20	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/17/2008 04:51	Diane V Do	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	06/20/2008 06:01	Michael A Ziegler	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	06/22/2008 23:36	Michael A Ziegler	5
01146	GC VOA Water Prep	SW-846 5030E	3	06/18/2008 01:18	Steven A Skiles	5
01146	GC/MS VOA Water Prep	SW-846 5030B	1	06/20/2008 06:01	Michael A Ziegler	1
	GC/MS VOA Water Prep	SW-846 5030B	2	06/22/2008 23:36	Michael A Ziegler	5
01163 02376	Extraction - Fuel/TPH	SW-846 3510C	ı	06/16/2008 09:00	Kelli M Barto	1
	(Waters)					



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Quality Control Summary

Client Name: Chevron Group Number: 1095658

Reported: 06/26/08 at 07:13 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank MDL	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 081660023A TPH-DRO (Water) w/Si Gel	Sample num	mber(s): 29.		87081 86	88	60-124	1	20
Batch number: 08166A07E TPH-GRO - Waters	Sample num	mber(s): 50.	5387075-538 ug/l	37081 114	113	75-135	2	30
Batch number: 08167A15A TPH-GRO - Waters	Sample num	mber(s): 50.		109	109	75-135	0	30
Batch number: D081713AA Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol Benzene 1,2-Dichloroethane Toluene 1,2-Dibromoethane Ethylbenzene Xylene (Total)	Sample num N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D	mber(s): 0.5 0.5 0.5 0.5 2. 0.5 0.5 0.5 0.5 0.5	5387075-538 ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	67081 85 98 97 96 89 100 97 98 93 97		73-119 70-123 74-120 79-113 74-117 78-119 69-135 85-115 81-114 82-119 83-113		
Batch number: E081741AA t-Butyl alcohol Benzene	Sample nu N.D. N.D.	mber(s): 2. 0.5	5387077,53 ug/l ug/l	87081 99 105		74-117 78-119		
Batch number: Z081712AA Methyl Tertiary Butyl Ether Benzene Toluene Ethylbenzene Xylene (Total)	Sample nu N.D. N.D. N.D. N.D. N.D.	mber(s): 0.5 0.5 0.5 0.5 0.5	5387074 ug/l ug/l ug/l ug/l ug/l	94 95 101 105 105		73-119 78-119 85-115 82-119 83-113		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS <u>%REC</u>	MSD %REC	MS/MSD Limits	RPD	RPD <u>MAX</u>	BKG Conc	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD Max
Entah number, 08166207R	Sample	number(s): 538707	5-53870	81 UNSE	K: P38890	8		

Batch number: 08166A07B Sample number(8): 5367073-5367001 O.M.
TPH-GRO - Waters 111 63-154

Batch number: 08167A15A Sample number(s): 5387074 UNSPK: P387071 TPH-GRO - Waters 118 63-154

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Quality Control Summary

Client Name: Chevron

Group Number: 1095658

Reported: 06/26/08 at 07:13 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Analysis Name	EREC	TREC	Dana ce	***					
Batch number: D081713AA	Sample	number(s): 5387075	5-53870	81 UNSPK	: P388684			
Methyl Tertiary Butyl Ether	87 [*]	85	69-127	2	30				
di-Isopropyl ether	101	97	68-129	5	30				
Ethyl t-butyl ether	99	97	78-119	2	30				
t-Amyl methyl ether	98	97	72-125	1	30				
t-Butyl alcohol	91	91	70-121	1	30				
Benzene	102	101	83-128	1	30				
1,2-Dichloroethane	100	96	70-143	3	30				
Toluene	103	100	83-127	3	30				
1,2-Dibromoethane	94	91	78-120	3	30				
Ethylbenzene	103	101	82-129	1	30				
Xylene (Total)	102	100	82-130	2	30				
Batch number: E081741AA	Sample	number(s	;): 538707	7,53870	81 UNSPR	(: ₱389868			
t-Butyl alcohol	94	101	70-121	5	30				
Benzene	104	111	83-128	6	30				
Batch number: Z081712AA	Sample	number(s	5): 538707	4 UNSPK	: P38706	57			
Methyl Tertiary Butyl Ether	94	96	69-127	1	30				
Benzene	101	102	83-128	ı	30				
Toluene	105	104	83-127	1	30				
Ethylbenzene	108	109	82-129	0	30				
Xylene (Total)	106	107	82-130	1	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-DRO (Water) w/Si Gel Batch number: 081660023A Orthoterphenyl

5387075	87
5387076	96
5387077	113
5387078	94
5387079	94
5387080	90
5387081	90
Blank	82
LCS	101
LCSD	104

Limits: 59-131

Analysis Name: TPH-GRO - Waters Batch number: 08166A07B Trifluorotoluene-F

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Quality Control Summary

Group Number: 1095658 Client Name: Chevron

Reported: 06/26/08 at 07:13 PM

Surrogate Quality Control

3 .		Surrogate Qu	ality Control	
5387075	122			
5387076	139*			
5387077	134			
5387078	158*			
5387079 5387079	111			
538 7 080	111			
5387081	130			
Blank	112			
LCS	124			
LCSD	123			
MS MS	123			
Limits:	63-135			
Analysis N	Jame: TPH-GRO - Waters Der: 08167A15A			
paccii iidine	Trifluorotoluene-F			
5387074	93			
Blank	98			
LCS	105			
LCSD	109			
MS	118			
Limits:	63-135			
Analysis N Batch numb	Jame: BTEX+5 Oxygenates+ED ber: D081713AA Dibromofluoromethane	C+EDB 1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5387075	88	8.8	93	102
5387076	88	87	92	101
5387077	84	86	91	105
	90	90	89	109
5387078	90	90	94	102
5387079	91	91	95	102
5387080	80	81	89	110
5387081	92	90	95	100
Blank	93	92	92	104
LCS	93	91	94	110
MS	93	94	94	106
MSD	33			
Limits:	80-116	77-113	80-113	78-113
Analysis N	Name: 8260 Master Scan (wa	ater)		
Ratch numb	ber: E081741AA			4-Bromofluorobenzene
Bacca nama	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	
Blank	96	96	94	93
LCS	95	97	94	93
MS	96	93	95	94
MSD	95	93	94	94
11010			0.0 7.75	78-113
Limits:	80-116	77-113	80-113	1 U = 4 4 U

Analysis Name: BTEX+MTBE by 8260B

Batch number: Z081712AA

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Quality Control Summary

Client Name: Chevron

Group Number: 1095658

Reported: 06/26/08 at 07:13 PM

Surrogate Quality Control

	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~						
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene			
5387074	98	91	96	94			
Blank	98	90 88	98 97	95 102			
LCS MS	96 96	89	96	101			
MSD	96	88	96	101			
Limits	80-116	77-113	80-113	78-113			

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meg	milliéquivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	ŀ	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml

- less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- ppm parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.
- ppb parts per billion
- Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

X.Y.Z

	Organic Qualifiers		Inorganic Qualifiers
A B C D E	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of the instrument	B E M N S	Value is <crdl, (msa)="" additions="" amount="" but="" calculation<="" control="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" not="" of="" precision="" spike="" standard="" th="" to="" used="" within="" ≥idl=""></crdl,>
J	Estimated value	U	Compound was not detected
N	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
P	Concentration difference between primary and confirmation columns >25%	*	Duplicate analysis not within control limits Correlation coefficient for MSA < 0.995
U	Compound was not detected		
/.Z	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

VALERO MARKETING AND SUPPLY COMPANY

21-0048

Second Quarter 2008 Groundwater Monitoring Report Valero Station #13781 930 Del Presidio Blvd. San Rafael, California

CALIFORNIA REGIONAL WATER

AUG 27 2008

QUALITY CONTROL BOARD

VALERO MARKETING AND SUPPLY COMPANY SECOND OUARTER 2008 GROUNDWATER MONITORING REPORT

SITE ADDRESS:

REMEDIATION

SYSTEM:

Valero Station #13781

930 Del Presidio Blvd

San Rafael, CA

Robert Ehlers

Inactive

REGULATORY CONTACT:

REGULATORY CASE #:

REGULATORY AGENCY:

LOCAL OVERSIGHT:

Ralph Lambert

21-0048

Las Gallinas Valley Sanitary Sewer

San Francisco Bay Region

Regional Water Quality Control Board,

District

Mark Williams

GEOTRACKER GLOBAL ID:

T0604100047

GAUGING DATE:

VALERO CONTACT:

June 10, 2008

SAMPLING DATE:

June 10-11, 2008

REPORT DATE:

August 19, 2008

CURRENT SITE STATUS:

Active Valero-branded service station

MONITORING PERIOD:

Second Quarter 2008

WORK PERFORMED:

Groundwater wells were gauged, sampled and analyzed for total petroleum hydrocarbons as gasoline (TPH-g), total petroleum hydrocarbons as diesel (TPH-d), methyl tert-butyl ether (MTBE), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and tertbutyl alcohol (TBA).

GROUNDWATER MONITORING:

Number of Wells:

15

Liquid Phase Hydrocarbons (LPH):

None observed

Gauging Frequency:

All wells Quarterly

Sampling Frequency:

10 Wells Quarterly, 5 Wells Annually

Groundwater Depth:

Between 2 and 7 feet below ground surface

Groundwater Flow:

Southwest

Hydraulic Gradient:

0.027 ft/ft

CURRENT STATUS/PLANS/RECOMMENDATIONS

All groundwater monitoring wells were gauged and fourteen wells were sampled; well EA4 was not sampled this quarter. Benzene was detected in four wells with a maximum concentration of 200 micrograms per liter (µg/L) in well EA7. TPH-g was detected in six wells, with a maximum concentration of 2,100 μg/L in well EA7. MTBE was detected in ten wells with a maximum detected concentration of 140 µg/L in well EA7. TBA was detected in eight wells with a maximum concentration of 1,500 µg/L in well EA1.

The site has been recommended for closure and California Regional Water Quality Control Board personnel has approved well destructions. Wells EA1, EA2, EA3, EA4, EA5, EA7, EA8, EA10, EA12, EA13, EA14, and EA15 will be destroyed in accordance with well destruction permits by either grouting in place or drilling out. The wells will be destroyed upon receipt of well destruction permits.

Ownership of wells EA9, EA11, and EA16 will be transferred to other companies for continued monitoring.

SITE SPECIFIC GEOLOGY/HYDROGEOLOGY:

This site is located in the San Rafael Groundwater Basin. Sediments beneath the site are composed of discontinuous layers of gravels, sands and clays over poorly cemented mudstone bedrock. Regionally, groundwater flows southeast towards San Francisco Bay. The site is approximately 25 feet above sea level.

POTENTIAL SENSITIVE RECEPTORS:

According to an archive search of Department of Water Resources, there are no wells within 1,000 feet of this site.

BACKGROUND

This site has been in use as a service station since 1963. In 1987, when four steel, single-walled underground storage tanks (USTs) were removed, a hole in one of the tanks was observed, with product in the excavated tank pit. The steel tanks were replaced by three single-walled fiberglass gasoline USTs, one single-walled fiberglass diesel UST, and one single-walled fiberglass used oil tank UST. At this time four monitoring wells were installed, with the additional wells being added in 1988, 1991, and 1995. In 1993 a groundwater extraction and treatment system was installed.

REMEDIATION SYSTEM SUMMARY:

The current groundwater extraction system consists of one 6-inch groundwater extraction well (EA5), a pneumatic extraction pump, and three 1,000-pound aqueous-phase granular activated carbon canisters.

GES took over remedial operations from Environmental Resolutions, Inc. in January 2007, and applied for system discharge permits from Las Gallinas Valley Sanitary District. The remediation system was non-operational in the first quarter of 2007. The remediation system was started May 23, 2007. Since that time, the system has maintained a 100% uptime. The system was shut down on March 20, 2008 due to low hydrocarbon concentrations in the influent and on site. During the life of the treatment system a total of 860,294 gallons of water was recovered, treated, and discharged. Of that total, 113,684 gallons of water was treated and discharged while GES operated the system. The approximate total hydrocarbon mass recovery by the treatment system during this period of time was 0.27 pounds.

Sherris Prall Project Manager Mark C. Peterson, CEG 2085 Principal Hydrogeologist

Attachments:

Figures:

Figure 1 - Site Location Map

Figure 2 – Groundwater Elevation Map

Figure 3 – Analytical Distribution Map

Figure 4 – Benzene Isoconcentration Map

Figure 5- TPH-g Isoconcentration Map

Figure 6 – MTBE Isoconcentration Map

Figure 7 – TBA Isoconcentration Map

Hydrographs for Wells EA1, EA2, EA3, EA5, EA7, EA8, EA9, EA15

Tables:

Table 1 – Well Construction Details

Table 2 – Cumulative Groundwater Sampling Data

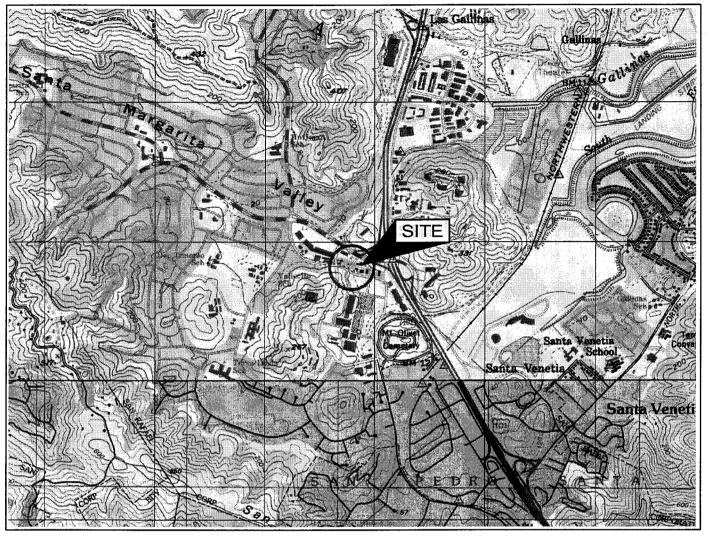
Table 3 – Additional Cumulative Groundwater Sampling Data

Table 4 – San Rafael System Operation

Field Protocols Field Sheets Lab Report







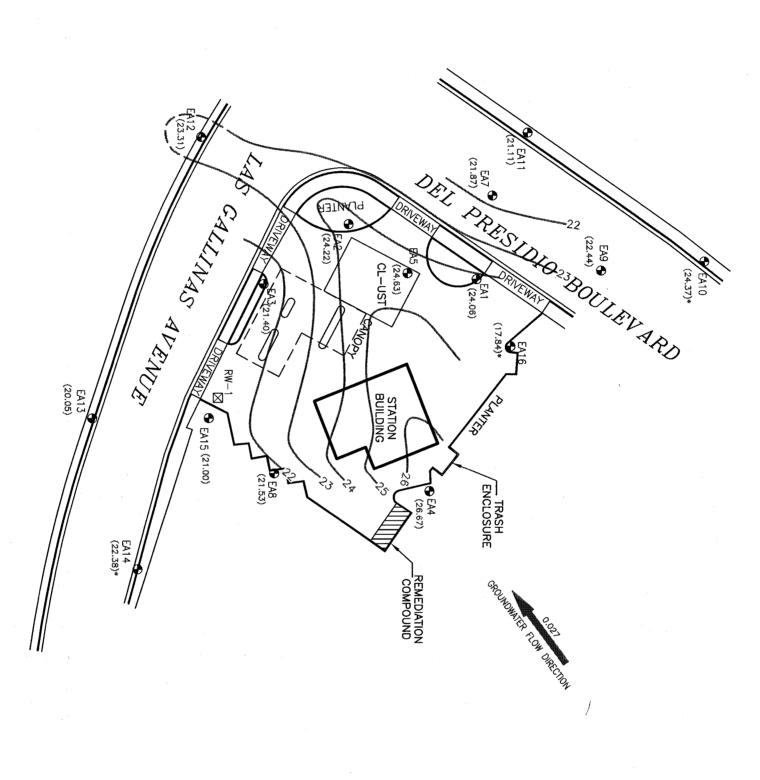
SOURCE: USGS 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE 1980 NOVATO, CALIFORNIA CONTOUR INTERVAL = 40'



LAT. 37° 59' 55.54" N LONG. 122" 30' 33.35" W (APPROXIMATE SITE COORDINATES)

DRAFTED BY: M,J,L, (S.D.)	SITE LOCATION MAP					
CHECKED BY: REVIEWED BY:	VALERO STATION #13781 930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA					
NORTH	Groundwater & Environmental Services, Inc. 5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520					
	SCALE IN FEET	DATE	FIGURE			
14	0 2000	6/2007	1			





MONITORING WELL

RECOVERY WELL

(20.05) GROUNDWATER ELEVATION (feet)

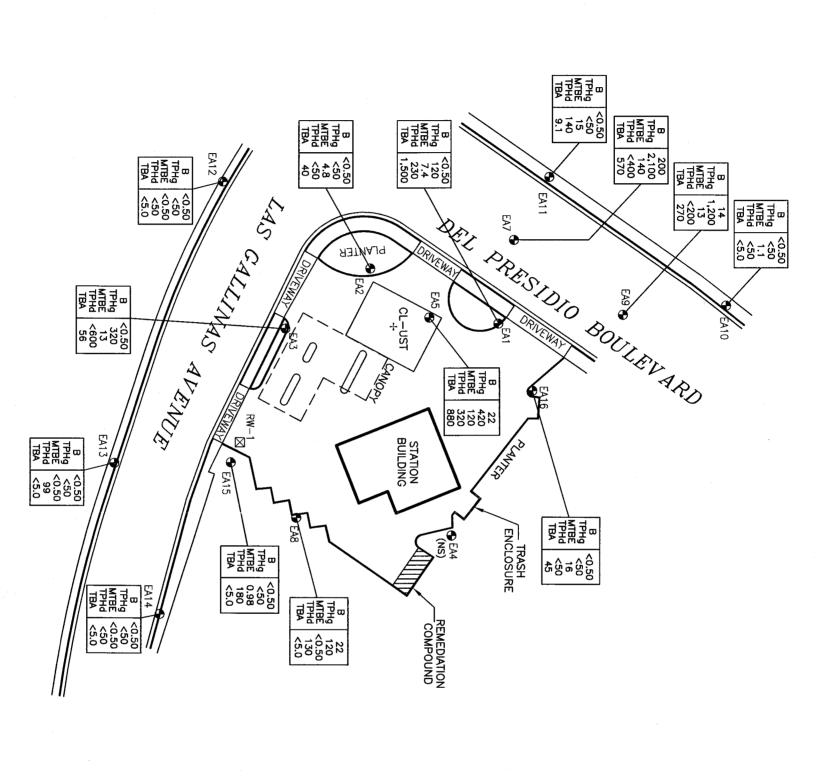
NOT USED FOR CONTOURING

GROUNDWATER ELEVATION CONTOUR

(DASHED WHERE INFERRED)



6	NORTH	CHECKED BY:	DRAFTED BY: E.V. (N.J.)
SCALE IN FEET O APPROXIMATE 50	Groundwater & Environmental Services, Inc. 5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520	VALERO STA 930 DEL SAN RAFAEL	GROUNDWATER ELEVATION MAP JUNE 10, 2008
DATE 7-10-08	nmental Servi F, CONCORD, CALIF	VALERO STATION #13781 930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA	WATER ELEVATION MAI JUNE 10, 2008
FIGURE 2	ces, Inc. ORNIA 94520		P



DISPENSER ISLAND MONITORING WELL

RECOVERY WELL

BENZENE

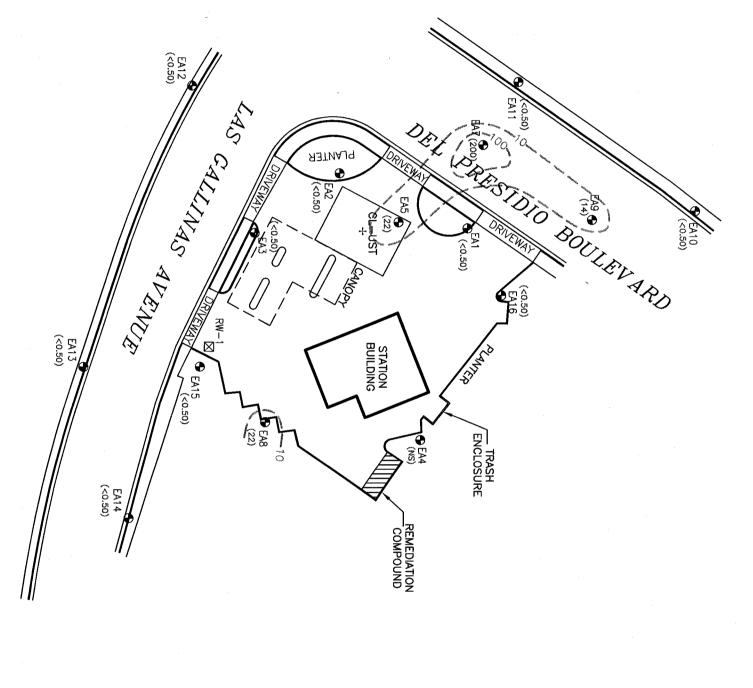
TPHd MTBE TBA TOTAL PETROLEUM HYDROCARBON (diesel) TOTAL PETROLEUM HYDROCARBON (gas)

METHYL tert -BUTYL ETHER tert-BUTYL ALCOHOL

NOT SAMPLED

	NORTH	REVIEWED BY:	DRAFTED BY: E.V. (N.J.)
SCALE IN FEET O APPROXIMATE 50	Groundwater & Environmental Services, Inc. 5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520	VALERO STATION #13781 930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA	ANALYTICAL DISTRIBUTION MAP
DATE 7-10-08	nmental Servi F, concord, call	VALERO STATION #13781 930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA	CAL DISTRIBUTION MA JUNE 10, 2008
FIGURE 3	ces, Inc. ORNIA 94520		P





DISPENSER ISLAND MONITORING WELL

RECOVERY WELL

(<0.50) BENZENE CONCENTRATION (ug/L)

— BENZENE CONCENTRATION CONTOUR (ug/L)

(NS) NOT SAMPLED

	NORTH	CHECKED BY:	DRAFTED BY: E.V. (N.J.)
SCALE IN FEET	Groundwater & Environmental Services, Inc. 5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520	VALERO STA 930 DEL SAN RAFAEL	BENZENE ISOCONCENTRATION MAP
DATE 7-10-08	nmental Servi	VALERO STATION #13781 930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA	ISOCONCENTRATION M JUNE 10, 2008
FIGURE 4	ces, Inc. ORNIA 94520		[AP





- LEGEND

 DISPENSER ISLAND

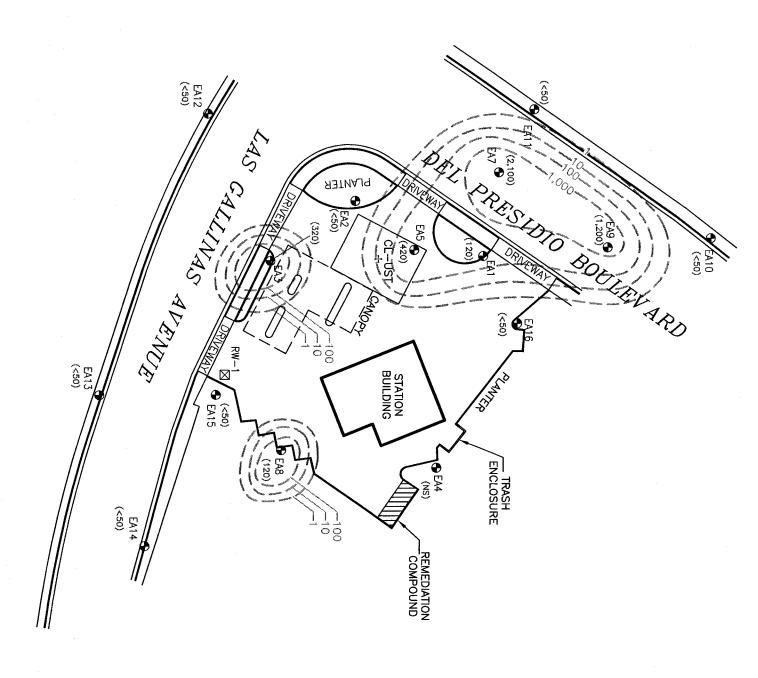
 MONITORING WELL

 RECOVERY WELL

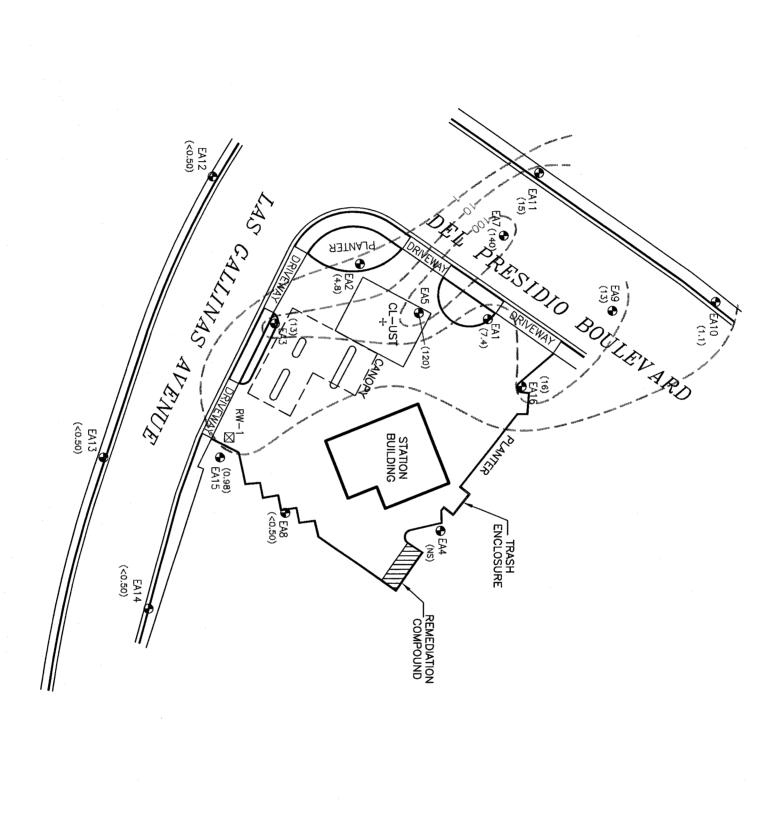
 (<50) TPHG CONCENTRATION

 TPHG CONCENTRATION

 (NS) NOT SAMPLED TPHG CONCENTRATION (ug/L) TPHG CONCENTRATION CONTOUR (ug/L) NOT SAMPLED
- ANALYTICAL RESULTS IN MICROGRAMS PER LITER (ug/L)



	NORTH	REVIEWED BY:	DRAFTED BY: E.V. (N.J.)
SCALE IN FEET O APPROXIMATE 50	Groundwater & Environmental Services, Inc. 5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520	VALERO STA 930 DEL SAN RAFAEL	TPHg ISOCONCENTRATION MAP JUNE 10, 2008
DATE 7-10-08	nmental Servi F, CONCORD, CALIF	VALERO STATION #13781 930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA	SOCONCENTRATION MAI JUNE 10, 2008
FIGURE 5	ces, Inc. ORNIA 94520		Ð
	-		-



DISPENSER ISLAND

MONITORING WELL

MONITORING WELL

RECOVERY WELL

(<0.50) MTBE CONCENTRATION (ug/L)

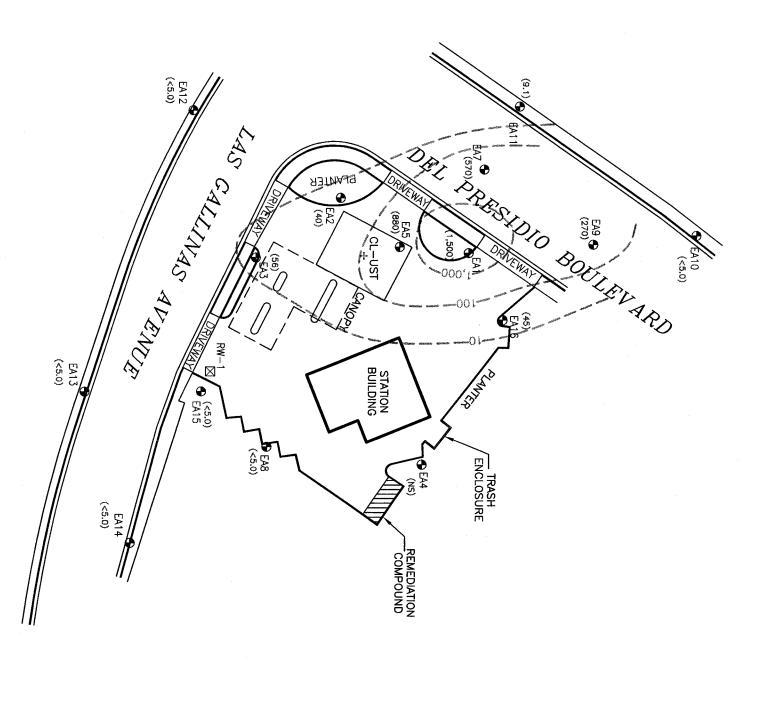
MTBE CONCENTRATION CONTOUR (ug/L)

MTBE METHYL tert−BUTYL ETHER

(NS) NOT SAMPLED

5		NORTH	CHECKED BY:	DRAFTED BY: E.V. (N.J.)
O ADDROXIMATE 50	SCALE IN FEET	Groundwater & Environmental Services, Inc. 5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520	VALERO STATION #13781 930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA	MTBE ISOCONCENTRATION MAP JUNE 10, 2008
7-10-08	DATE	nmental Servi F, CONCORD, CALIF	TION #13781 PRESIDIO CALIFORNIA	NTRATION MAP , 2008
თ	FIGURE	ces, Inc.		





LEGEND

DISPENSER ISLAND

MONITORING WELL

RECOVERY WELL

(<5.0) TBA CONCENTRATION

TBA CONCENTRATION

TBA CONCENTRATION

NOT SAMPLED TBA CONCENTRATION (ug/L)
TBA CONCENTRATION CONTOUR (ug/L)
tert-BUTYL ALCOHOL

7	7-10-08	ADDOXINATE SO	
FIGURE	DATE	SCALE IN FEET	
ces, Inc. ORNIA 94520	onmental Servi F, CONCORD, CALIF	Groundwater & Environmental Services, Inc. 5046 COMMERCIAL CIRCLE, SUITE F, CONCORD, CALIFORNIA 94520	NORTH
	930 DEL PRESIDIO SAN RAFAEL, CALIFORNIA		REVIEWED BY:
	VALERO STATION #13781		CHECKED BY:
	JUNE 10, 2008	JUNE 1	(N.J.)
	TBA ISOCONCENTRATION MAP	TBA ISOCONCE	DRAFTED BY:

TABLE 1
WELL CONSTRUCTION DETAILS
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California

Ω	Well	Elev. (feet)	Diameter (inches)	of Boring (fbgs)	Depth (fbgs)	Diameter (inches)	Casing Material	Interval (fbgs)	Size (inches)	Interval (fbgs)	Pack Material
EA1	12/03/87	27.45	7	17.5	17	4	SN	2-17	SN SN	2-17.5	SN
EA2	12/03/87	27.43	17	17.5	17	4	SN	2-17	S _N	2-17.5	S N
EA3	12/03/87	26.83	17	12.5	12	4	SN	2-12	S S	2-12.5	SN
EA4	12/14/87	29.90	7	17	17	4	SN	2-17	SN	2-17	S _N
EA5	12/03/87	26.70	S	12	12	မွ	SN	2-12	SN	SN	S S
EA6 \	Well destroyed on 06/24/91.	า 06/24/91.									
EA7	06/28/88	27.43	7	16.5	13	4	SN	3-13	SN	2.5-16.5	S S
EA8	06/28/88	27.68	7	4	12.5	4	S	2.5-12.5	NS	2-14	SN SN
EA9	06/11/91	27.96	10.25	œ	&	4	PVC	3-8	0.010	2-8	S
EA10	06/11/91	28.11	10.25	15	15	4	PVC	5-15	0.010	3-15	SN
EA11	06/12/91	26.67	10.25	16	16	4	PVC	6-16	0.010	4-16	SN
EA12	06/12/91	26.56	10.25	16.5	16.5	4	PVC	6.5-16.5	0.010	4.5-16.5	SN
EA13	06/12/91	25.49	10.25	15	15	4	PVC	5-15	0.010	4.5-15	SN
EA14	06/13/91	25.53	10.25	8.5	8.5	4	PVC	3.5-8.5	0.010	2-8.5	NS
EA15	06/13/91	26.55	10.25	13	13	4	PVC	5-13	0.010	3-13	SN
EA16	02/09/95	24.80	1	21	20.5	4	PVC	5-20	0.020	4.5-21	Sand

	Top of well casing elevation; datum is mean sea level.	Feet below ground surface.	Not specified.	Polyvinyl chloride.
	11	II	II	ij
NOIES.	TOC Elev.	ggg	NS	PVC

TABLE 2
CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California
(Page 1 of 29)

1	ı																																													
X (µg/L)	2,100	520	400	i	ł	1,400	i	2,300	190	100	47	40	i	<2.5	18	18	<7.5	i	<0.5	18	390	37	9.0	71	5	16	3.2	56	6.6	7	2.6	<0.5	<0.5	0.89	<0.5	<0.5	<0.5	<0.5	1.8	3.9	<1.2	7.3	<1.0	0.53	<0.5	<0.5
(µg/L)	1,900	. 7	520	ŀ	1	2,000	ŀ	1,800	1,500	18	026	710	I	310	360	360	310	1	43	87	1,100	1.0	1.6	260	120	140	2.5	190	စ္တ	120	7.8	<0.5	1.3	16	<0.5	3.3	<0.5	<0.5	3.6	3.9	3.7	06	<1.0	2.8	<0.5	<0.5
T (µg/L)	220	10	09	ŀ	1	120	ŀ	36	23	30	13	13	1	3.9	5.1	5.1	3.2	1	3.5	3.1	42	1.7	0.7	7.2	\$	9.7	1.9	8.6	1.9	5.1	6.1	<0.5	<0.5	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<1.2	<5.0	<1.0	1.1	<0.5	<0.5
B (µg/L)	1.200	200	290	1	ŀ	1,400	1	1,000	450	170	330	170	ŀ	5 6	09	1,100	110	İ	9.4	39	260	32	8.2	260	190	53	4.2	100	37	39	10	<0.5	1.	9.4	<0.5	0.86	<0.5	<0.5	26	19	35	150	9.1	7.2	1.9	<0.5
MTBE (µg/L)		ŀ	ł	1	ŀ	i	1	1	1	ł	1	ł	ŀ		ł	l	1	!	:	1	i	1	i	ŀ	1	ŀ	1	ŀ	i	1	I	I	1	09	100	0.9	<2.5	<2.5	250	150	310	1,400	540	480	640	220
TPHg (µg/L)	35,000	8,000	6,700	1	1	11,000	1	13,000	10,000	1,000	5,000	4,300	I	2,500	1,900	1,900	2,500	1	910	1,100	9,100	1,800	750	3,500	3,100	1,700	066	2,900	1,800	2,900	630	<50	<50	220	<50	110	<50	<50	200i	320	710	2,000	110	160	1001	110
TPHd (µg/L)		I	I			1		!	1	1	1	ļ	1	700	20	20	1,300	ŀ	820	009	4,100	1,200	310	1,900	1,900	1,800	1,200	2,600	1,400	1,500	680	<50	150b	290b	140	240	110	160d	450d	270d	390d	1,600d	240d	280d	150d	190d
SUBJ	-	1	ļ	NLPH	NEPH	NEPH	N PH	ŀ	NLPH	NLPH	NLPH	NLPH	NLPH	İ	NLPH	NLPH	ļ	NLPH	N PH	NLPH																										
GW Elev. (feet)		ŀ		21.43	21.45	21.46	21.80	1	21.02	21.22	21.06	21.36	20.41	ŀ	20.48	22.83	ŀ	20.37	17.34	20.00	22.66	20.59	18.98	22.97	20.82	20.57	17.21	20.24	20.42	20.48	17.73	21.75	22.99	20.62	17.84	21.63	23.52	21.46	22.26	22.44	22.79	23.05	22.87	23.16	22.38	22.82
DTW (feet)	1	İ	i	3.69	3.67	3.66	3.32	I	4.10	3.90	4.06	3.76	4.71		4.64	2.29		4.75	7.78	5.12	2.46	4.53	6.14	2.15	4.30	4.55	7.91	4.88	4.70	4.64	7.39	3.37	2.13	4.50	7.28	3.49	1.60	3.66	2.86	2.68	2.33	2.07	2.25	1.96	2.74	2.30
TOC (feet)	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12	25.12
Sampling Date	12/21/87	06/29/88	11/18/88	01/09/89	01/17/89	02/15/89	05/30/89	06/01/89	08/10/89	01/16/90	04/12/90	04/11/90	10/08/90	10/10/90	01/22/91	04/03/91	06/24/91	06/28/91	10/03/91	01/23/92	04/28/92	07/23/92	10/22/92	01/25/93	04/13/93	07/02/93	10/12/93	01/13/94	04/04/94	07/14/94	10/12/94	01/09/95	04/12/95	07/10/95	10/13/95	01/17/96	04/04/96	07/15/96	10/21/96	01/07/97	04/28/97	07/22/97	10/14/97	01/13/98	04/14/98	07/14/98
Well	EA1	E	EA1	E	EA1	EA	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA1	EA	EA1																		

40.5 3.0 30.0 30.0 2.5 2.5 1.90 38.0 6.20 42.5 42.8 8.9 11.0 2.5 (Lug/L) 40.5 1.1 40.5 11.0 57 2.10 310 109 8.1 210 120 210 64 7.7 35,000/51,000k CUMULATIVE GROUNDWATER SAMPLING DATA 33,000 31,000 28,000 28,000 5,300 20,000 27,000 22,400 115,000 67,800 930 Del Presidio Boulevard San Rafael, California Valero Station 13781 28,900 <25,000 32,800 <250 1,100 980 2,200 800 440 (Page 2 of 29) TABLE 2 Valero to Petroleum Sales Inc. NLPH 480 with AB 2886 requirements. 250 830 1,000 I 390 534 880 1,000 Exxon Mobil to Valero. N P H NLPH N.P.H in compliance Property transferred from erred from 21.26 22.77 22.32 21.86 22.48 22.69 22.48 22.04 21.07 23.08 24.79 20.57 Well surveyed 3.95 3.84 25.12 25.12 25.12 25.02 25.02 25.02 25.02 25.02 25.02 25.02 25.02 25.02 25.02 25.02 27.45

April-2000

06/15/00 12/28/00

06/24/99 09/21/99 12/30/99 03/22/00

0/13/98 01/19/99 May-2001

03/27/01 06/26/01 09/25/01

EAT FALLE EAT FOR EAT

Nov-2001

03/28/02 06/26/02 09/30/02

2/28/01

EA EA

37.0 <2.5

<0.5

0.58 13.4 2.57.42.5

<0.5 **2.5** <0.50w <0.500 0.550 0.64

<0.50<0.50<0.50

<0.50 <0.50 <0.80

N.P.H N.P. N.P.H

49.6 16.6 41.5 0.90 1.70 42.50 0.60 40.50 60.50 60.50 60.50 60.50 60.50 60.50

<0.50</p>
39.6
14.6
26.5
1.80
1.10
1.10
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23.6 17,200 7,400 12,600

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TABLE 2
CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California
(Page 3 of 29)

	ı																																													
× (na/L)	300	1	•	47	SN	54	3.0	7	8.2	27	I	15	5.7	52	2.5	1	5.7	<0.5	2.2	5.8	<0.5	12	<0.5	<0.5	2.5	1.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<1.2	<0.5	<0.5	<0.5	<0.5	0.92	<0.5	<0.5	<0.5	<0.5	<1.2
E (na/L)	57	;	ì	120	SN	210	5.0	20	49	43	l	32	40	120	22	ŀ	1.7	2.6	6.3	<0.5	1.5	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.2	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	<0.5	<0.5	<0.5	1.3
⊥ (na/L)	18	: ;	ł	19	SN	7	3.0	5.0	0.9	13	I	26	2.7	8.6	1.4	l	1.6	0.7	<0.5	1.4	<0.5	1.3	<0.5	0.5	<0.5	1.0	6.0	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.2	<0.5	<0.5	<0.5	<0.5	0.59	<0.5	<0.5	<0.5	<0.5	<1.2
B (ua/L)	210	1	ŀ	38	SN	380	29	75	140	110	I	290	86	300	29	i	27	13	13	43	13	7	2.1	3.9	1.8	10	1.4	12	<0.5	10	1.5	<0.5	0.91	3.9	<0.5	2.4	5.3	5.2	1.7	7	19	1.9	0.72	2.8	4.1	5.1
MTBE (ua/L)	1	I	1	I	ŀ	ŀ	1	ŀ	1	1	1	!	ı	l	l	ł	ŀ	ļ		ł	1	1	I	i	1	ŀ	1	}	1	1	ŀ	280	120	220	92	920	180	120	120	110	110	230	320	330	260	640
TPHg (ua/L)	700	<u> </u>	ł	1,400	SN	1,500	<250	380	520	650	1	1,000	300	1,900	330	1	320	220	120	240	62	135	170	<50	78	170	99	61	<50	450	<50	<50	210	<50	2 0	<125	63	50 <u>i</u>	<50	75	300	~ 20	~ 20	61	<50	360
TPHd (ua/L)		ŀ	l	ı	-	I	ŀ	ı	ŀ	1	ı	<300	<50	110	210	ŀ	270	130	830	740	120	100	130	510	370	610	260	370	220	500b	230b	250b	510	270	230	340d	240d	200d	170d	200d	220d	190d	160d	210d	170d	320
SUBJ	1	NLPH	N.PH	NLPH	NLPH	1	NLPH	NLPH	NLPH	NLPH	NLPH	1	NLPH	NLPH	!	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH																			
GW Elev. (feet)	!	22.00	22.02	21.87	22.26	!	21.15	21.78	20.95	21.53	20.21	1	20.22	23.12	ŀ	17.85	17.47	20.09	22.67	20.44	19.47	23.78	18.07	17.68	16.78	17.96	16.98	18.94	17.45	21.08	23.13	18.43	17.30	21.01	23.38	20.96	22.48	22.58	22.78	23.33	23.05	23.55	22.40	23.47	22.71	18.84
DTW (feet)		2.78	2.76	2.91	2.52	1	3.63	3.00	3.83	3.25	4.57		4.56	1.66	ŀ	6.93	7.31	4.69	2.11	4.34	5.31	1.00	6.71	7.10	8.00	6.82	7.80	5.84	7.33	3.70	1.65	6.35	7.48	3.77	1.40	3.82	2.30	2.20	2.00	1.45	1.73	1.23	2.38	1.31	2.07	5.94
TOC (feet)	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78
Sampling Date	11/18/88	01/09/89	01/17/89	02/15/89	05/30/89	06/01/89	08/10/89	01/16/90	04/12/90	04/10/90	10/08/90	10/10/90	01/22/91	04/03/91	06/24/91	06/28/91	10/03/91	01/23/92	04/28/92	07/23/92	10/22/92	01/25/93	04/14/93	07/02/93	10/12/93	01/13/94	04/04/94	07/14/94	10/12/94	01/09/95	04/12/95	07/10/95	10/13/95	01/17/96	04/04/96	07/15/96	10/21/96	01/07/97	04/28/97	07/22/97	10/14/97	01/13/98	04/14/98	07/14/98	10/13/98	01/19/99
Mell D	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2																																		

TABLE 2
CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California
(Page 4 of 29)

1		i																																												
×	(µg/L)	<1.0	9.30	<0.5	<0.5		<0.5	0.89	<0.5	<0.5		<0.5	<0.5		<1.00	1.20	2.10	1	<0.50	2.40	1.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.60	<0.50	<0.500	<0.500	0.56	<0.50w	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	5,600	2.500	2 200)
ш	(hg/L)	<1.0	1.50	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5		<0.5	<0.5		<1.00	<0.50	<0.50	1	<0.50	0.70	0.90	1.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.00	<0.50	<0.500	<0.500	<0.50	<0.50w	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1,600	02>	380	}-
⊢	(µg/L)	<1.0	00.9	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5		<0.5	<0,5		<1.00	<0.50	<0.50	ł	<0.50	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50w	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	7 900	2,000	3.500	2
æ	(µg/L)	<1.0	1.70	2.1	က		<0.5	3.3	0.88	3.3		1.7	1.6		<1.00	00.9	<0.50	ļ	<0.50	7.10	5.60	1.50	<0.50	0.90	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.500	0.660	<0.50	<0.50w	<0.500	0.580	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	13,000	12,600	9800	
MTBE	(µg/L)	432	366	1,100	2,500		3,000	4,400	5,400	12,000	•	9,400	8,600		3,130	3,150	2,040	.	8,500	4,200	2,280	1,190	426	484	337	84.4	46.8	167	96.1	54.2	65.2	102	64	66w	48.3	56.9	2.6	5.8	5.9	5.0	4.1	4.8	ł	I	ł	ļ
TPHg	(hg/L)	109	80.0i	89	~ 20		<50	72	<50	<50		89				1,980	1,160	1	5,910	3,130	3,010	1,360	552	491	483	125	85.7	226	230	<100	61.2	113	100	130	60.4	<50.0	~20	<50	<50	<50	~20	<50	90 000	30,000	26,000	8
TPHd	(µg/L)	Φ	143d	210	22	to Valero.	~ 20	180	2201	2701	roleum Sales Inc	<50	120	86 requireme	×100	59.0	<50	i	<50	71	112	155	<50	65	79	<50	72	65b	989	86b	66.7b	67.0b	98b	<47	64b	70b	<50	<50	88	<50	<50	~20	!		1	ļ
SUBJ		N PH	NLPH	NLPH	NLPH		NLPH	NLPH	NEPH	NLPH	ক	NCPH	NLPH	e with AB 28	NLPH	NLPH	NLPH	NEPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	İ	l	l	NLPH									
GW Elev.	(teet)	22.78	22.63	22.32	23.14	Property transferred from Exxon Mobi	23.03	22.86	21.25	23.07	Sferred from V	3.01 21.77 NLPH <50	21.20	ed in compliand	23.56	25.82	25.12	25.51	25.03	26.32	25.09	26.16	24.69	23.27	22.34	24.00	21.89	23.18	23.49	22.49	24.11	23.92	22.67	24.52	23.86	22.85	25.37	21.94	21.40	22.07	24.24	24.22	I	I	l	20.06
WTG	(teet)	2.00	2.15	2.46	1.64	Property trai	1.75	1.92	3.53	1.71	Property transferred fr	3.01	3.58	Well survey	3.87	1.61	2.31	1.92	2.40	1.11	2.34	1.27	2.74	4.16	5.09	3.43	5.54	4.25	3.94	4.94	3.32	3.51	4.76	2.91	3.57	4.58	2.06	5.49	6.03	5.36	3.19	3.21	i	1	1	4.07
TOC	(teet)	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	27.43	24 13	24.13	24.13	24.13
Sampling	Date	06/22/99	09/21/99	12/30/99	03/22/00	April-2000	06/15/00	09/27/00	12/28/00	03/27/01	May-2001	06/26/01	09/25/01	Nov-2001	12/28/01	03/28/02	06/26/02	09/30/02	10/14/02	12/27/02	03/20/03	05/23/03	08/01/03	10/17/03	01/23/04	05/27/04	08/27/04	12/01/04	03/03/05	06/23/05	09/22/05	12/21/05	03/22/06	06/13/06	09/22/06	12/21/06	03/20/07	6/11/2007	08/29/07	12/11/07	03/19/08	06/10/08	12/21/87	06/29/88	11/18/88	01/09/89
Well	۵	EA2	EA2	EA2	EA2	EA2	E A 2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	E A 2	EA2	EA2	EA2	EA2	EA2	EA2	EA2	E A 2	EA2	EA2	EA2	EA2	EA2	EA2	FA3	EA3	EA3	EA3

TABLE 2
CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California
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E ×	(1997) (1997)	1,200 9,700						950 4,200																																					
	(Pg/L)	14.000	a.	14,000	4,100	8,000	6,100	000'9	1	2,800	15,000	8,700	3,000	1	1,500	1,500	1,700	510	820	2,400	800	160	560	94	83	62	<0.5	5.7	<20	<20	<50	<5.0	<12	<5.0	<50	<10	<2.5	<5.0	<20	<10	<10	<10	8.1	,	21. 2
MTBE B	(pg/c) (pg/c)	- 20.000		23,000	12,000	16,000	19,000	17,000	!	12,000	21,000	21,000	9,100	1	3,400	3,000	4,900	2,300	2,100	650	3,800	1,200	1,300	480	310	099	290	92		1,100 340															
DHAL PHAL		56.000	1	54,000				29,000																																					
SUBJ	Hd IN	N. PH		-	NEPH	NLPH	NLPH	NLPH	N.P.H		NLPH	NLPH	i	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NPH	N.PH	NLPH	NLPH	HG'N	H H	NLPH	NLPH	NPH	NLPH	NEPH	NLPH	NLPH	NEPH	NLPH	NEPH	NEPH	NLPH	N.PH	NLPH	NLPH	NLPH	NLPH	2	
DTW GW Elev.									5.27 18.86	!	4.96 19.17	3.46 20.67			6.30 17.83					1.59 22.54				5.11 19.02	5.45 18.68							1.11 23.02				2.92 21.21		1.50 22.63	2.76 21.37	1.98 22.15					5.09
Sampling TOC	//89		05/30/89 24.13	06/01/89 24.13			04/12/90 24.13		10/08/90 24.13	_											04/14/93 24.13	07/02/93 24.13	10/12/93 24.13	01/13/94 24.13	04/04/94 24.13		10/12/94 24.13	01/09/95 24.13								01/07/97 24.13		07/22/97 24.13	10/14/97 24.13	01/13/98 24.13	04/14/98 24.13	07/14/98 24.13			01/19/99 24.13
Well Sam	_		EA3 05/3									EA3 04/0											•			EA3 07/1				EA3 07/1					EA3 10/2										

CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
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(Page 6 of 29)

Well	Sampling	T0C	WTO	GW Elev.	SUBJ	TPHd	TPHg	MTBE	В	⊢	Ш	×
۵	Date	(feet)	(teet)	(teet)		(hg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(hg/L)
EA3	12/30/99	24.13	4.95	19.18	NLPH	3,200	3,900	88	6.1	2.2	6.9	3.3
EA3	03/22/00	24.13	3.70	20.43	NLPH	680	1,500	130	200	<2.5	10	3.1
EA3	April-2000	24.13	Property tra	ansferred from E	Exxon Mobil t	o Va						
EA3	06/15/00	24.13	4.12	20.01	NLPH	2,700	1,700	470	320	<2.5	5.6	3.4
EA3	09/27/00	24.13	4.53	19.60	NLPH	006		310	26	3.5	3.5	6.4
EA3	12/28/00	24.13	4.15	4.15 19.98 NLPH 1,3001	NLPH	1,3001	1,000	200	28	<0.5	1.6	5.7
EA3	03/27/01	24.13	4.07	20.06	NLPH	1,600 I		840	320	<2.5	<2.5	2.6
EA3	May-2001	24.13	Property tra	ansferred from \	/alero to Petr	oleum Sales Ir	_					
EA3	06/26/01		4.95	19.18	NLPH	3,100	820	860	91	0.88	1.7	4.6
EA3	09/25/01	24.13	4.80	19.33	NLPH	3,000		009	14	5.1	5.2	6.6
EA3	Nov-2001		Well survey	ved in compliand	ce with AB 28	386 requiremen						
EA3	12/28/01	26.83	3.50	3.50 23.33 NLPH 1	NLPH	1,300		432	109	<5.00	7.00	14.0
EA3	03/28/02		4.20	22.63	NLPH	397		1,500	496	<10.0	12.0	<10.0
EA3	06/26/02		5.24	21.59	NLPH	925		1,980	112	1.10	1.00	<50.0
EA3	09/30/02	26.83	5.23	21.60	NLPH	-		i	1	1	1	ł
EA3	10/14/02		5.33	21.50	NLPH	1,800		299	12.6	<0.50	<0.50	<0.50
EA3	12/27/02		3.02	23.81	NLPH	492		4,150	496	3.80	5.40	2.20
EA3	03/20/03		4.13	22.70	NLPH	636		925	454	09:9	182	4.40
EA3	05/23/03		4.16	22.67	NLPH	1,910		1,460	188	3.80	141	4.90
EA3	08/01/03		4.72	22.11	NLPH	1,520		296	41.2	1.40	8.50	1.00
EA3	10/17/03		5.42	21.41	NLPH	857		316	15.1	1.20	2.60	2.60
EA3	01/23/04		4.66	22.17	N.PH	937		1,320	320	4.00	<2.50	<2.50
EA3	05/27/04	26.83	4.94	21.89	NLPH	351		069	16.7	1.50	2.50	1.00
EA3	08/27/04	26.83	6.63	20.20	NLPH	332		118	<0.50	<0.50	<0.50	<0.50
EA3	12/01/04	26.83	5.12	21.71	NLPH	239b		92.7	17.9	09.0	<0.50	<0.50
EA3	03/03/05	26.83	2.78	24.05	NLPH	911b		93.7	35.4	2.10	6.70	2.70
EA3	06/23/05	26.83	5.31	21.52	NLPH	2,490b		83.6	26.6	1.80	4.20	1.20
EA3	09/22/05	26.83	5.38	21.45	NLPH	2,270b		26.7	2.75	<0.500	<0.500	<0.500
EA3	12/21/05	26.83	3.61	23.22	NLPH	1,530b		114	28.3	0.700	0.890	0.510
EA3	03/22/06	26.83	3.50	23.33	NLPH	1,000b		120	66	2.9	4.0	2.1
EA3	06/13/06	26.83	5.22	21.61	NLPH	1,600b		38w	6.3w	<1.0w	1.1w	<1.0w
EA3	09/22/06	26.83	5.70	21.13	NLPH	820b		27.3	5.94	<0.500	<0.500	<0.500
EA3	12/21/06	26.83	4.71	22.12	NLPH	1,200b		45.8	3.21	<0.500	0.600	1.90
EA3	03/20/07	26.83	4.79	22.04	NLPH	<200		86	96 30	1.0	3.3	0.95
EA3	6/11/2007	26.83	5.45	21.41	N PH	<500		20	24	0.8	0.5	0.53
EA3	08/30/02	26.83	6.17	20.66	Sheen	×300		7.4	2.0	<0.50	0.50	<0.50
EA3	12/11/07	26.83	4.57	22.26	NLPH	<200		1.2	<0.50	<0.50	0.50	<0.50
EA3	03/19/08	26.83	4.35	22.48	NLPH	300 V3		5.9	<0.50	<0.50	<0.50	<0.50
EA3	06/10/08	26.83	5.43	21.40	NLPH	009>	320	13	<0.50	<0.50	<0.50	<0.50
EA4	12/21/87	27.27	1	1	ŀ	ŀ	5	I	<0.5	0.5	<0.5	₹
EA4	06/29/88	27.27	1	i	I	I	<20	į	2.3	2.2	<0.2	<0.2
EA4	11/18/88	27.27	1	i	i	I	<50	i	<0.5	<0.5	<0.5	<0.5
EA4	01/09/89	27.27	9.01	18.26	NLPH	ì	I	ŀ	1	I	ŀ	I
EA4	01/17/89	27.27	8.78	18.49	NLPH	ł	1	ŀ	-	i	-	1
EA4	02/15/89	27.27	8.46	18.81	NLPH	ŀ	<250	ı	<0.2	0.4	<0.2	0.4

TABLE 2
CUMULATIVE GROUNDWATER SAMPLING DATA
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×	(HB/)	0.5	30	410	<0.5	<0.5	I	<0.5	<0.5	<0.5	<2.6	·	<0.5	<0.5	<0.5	<0.5	<0.5	4.3	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	56.6	<0.5	<0.5
E (110/1)	77.841	O S	0.5 5.5	<10	<0.5	<0.5	I	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	7.50	<0.5	<0.5
T (/bii)	(1,64)	0 5	30	<10 <10	<0.5	<0.5	ł	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	1.0	<0.5	<0.5	Ţ	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	19.0	<0.5	<0.5
B (1/011)	(P8-7)	0.5	60	<10	<0.5	<0.5	ŀ	<0.5	<0.5	<0.5	<0.5	ļ	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.10	<0.5	<0.5
MTBE	(=:S-1)		1	. !	ŀ	1	I	I	ł	1		1	1	ŀ	1	1	ļ	1	I	ļ	1	1	I	!	I	!	i	7.9	12	<2.5	<2.5	<2.5	<2.5	42	280	190	33	5.3	5.9	12	6.6	<2.5	<2.5	9.70	3.5	7
TPHg (J/a/L)	(F9'E)	<250	<250	<10	<50	<50	ļ	<50	<50	<50	<50	ŀ	<50	<50	~ 20	<50	<50	100	120	22	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<20	<50	<50	<50	<50	<50	<20	<50	<50	<50	367i	<20	<50
TPHd (ua/L)	1	i i	1	ł	1	ŀ	1	<300	<50	<50	26	1	² 20	170	<50	<50	62	<50	~ 20	80	250	200	20	140	< 2 0	<50	62b	<50	26	88	63	54d	84d	<50	<50	<50	<50	27d	<50	63 d	63d	<50	<50	127d	110	62
SUBJ	Ä DH	: ;	NLPH	NLPH	NLPH	NLPH	NLPH	1	NLPH	NLPH	1	NLPH	NLPH	NLPH	NEPH	NLPH	NLPH	NEPH	NEPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NEPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH													
GW Elev.	19.83	8 1	18.57	24.97	19.67	20.02	18.71	1	18.53	24.38	1	19.25	17.23	18.50	20.92	18.61	16.68	25.35	20.57	18.91	17.00	20.43	20.59	19.32	17.28	26.07	24.48	23.59	18.13	25.56	25.83	25.79	25.07	25.20	25.51	25.54	25.53	25.82	25.34	24.84	18.52	25.59	25.38	25.61	22.80	25.18
DTW (feet)	7.44		8.70	2.30	7.60	7.25	8.56	ļ	8.74	2.89	ļ	8.02	10.04	8.77	6.35	8.66	10.59	1.92	6.70	8.36	10.27	6.84	6.68	7.95	66.6	1.20	2.79	3.68	9.14	1.71	1.44	1.48	2.20	2.07	1.76	1.73	1.74	1.45	1.93	2.43	8.75	1.68	1.89	1.66	4.47	5.09
TOC (feet)	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27
Sampling Date	05/30/89	06/01/89	08/10/89	01/16/90	04/12/90	02/10/90	10/08/90	10/10/90	01/22/91	04/03/91	06/24/91	06/28/91	10/03/91	01/23/92	04/28/92	07/23/92	10/22/92	01/25/93	04/13/93	07/02/93	10/12/93	01/13/94	04/04/94	07/14/94	10/12/94	01/09/95	04/12/95	07/10/95	10/13/95	01/17/96	04/04/96	07/15/96	10/21/96	01/07/97	04/28/97	07/22/97	10/14/97	01/13/98	04/14/98	07/14/98	10/13/98	01/19/99	06/24/99	09/21/99	12/30/99	03/22/00
Well D	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	E44	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	E44	EA4	EA4	EA4	F 4	EA4	EA4

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CUMULATIVE GROUNDWATER SAMPLING DATA
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llo/M	Sampling	JOL	WITH	// Elo.:	1010	TOTA	101	TOTA		F		,
_	Date	(feet)	(feet)	(feet)	200	(na/L)	(na/L)	(ua/L)	(na/l.)	(na/t)	(1)	([/bit)
EA4	April-2000	27.27	Property tra	Property transferred from Exxon Mobil to Valero	Exxon Mobil to	y Valero.	158-7	(F.G.1)	(F9.1)	(F9-1)	/F8.F/	(1841)
EA4	06/15/00	27.27	1.69	25.58	NLPH	<50	<50	\$	<0.5	<0.5	<0.5	<0.5
EA4	09/27/00	27.27	1.56	25.71	NLPH	53	<50	7	<0.5	<0.5	<0.5	2.6
EA4	12/28/00	27.27	1.83	25.44	NLPH	1601	<50	7	<0.5	<0.5	<0.5	<0.5
EA4	03/27/01	27.27	1.52	25.75	NLPH	<50	<50	7	<0.5	<0.5	<0.5	<0.5
EA4	May-2001	27.27	Property tra	Property transferred from Valero to Petroleum Sales Inc.	/alero to Petr	oleum Sales Ir						
EA4	06/26/01	27.27	2.70	24.57	NLPH	<50	~20	7	<0.5	<0.5	<0.5	<0.5
EA4	09/25/01	27.27	1.75	25.52	NLPH	<50	<50	7	0.59	<0.5	<0.5	<0.5
EA4	Nov-2001	29.90	Well surve	Well surveyed in compliance with AB 2886 requirements.	be with AB 28	86 requiremen	ıts.					
EA4	12/28/01	29.90	1.02	28.88	NLPH	<100	<100	<1.00	<1.00	<1.00	<1.00	<1.00
EA4	03/28/02	29.90	2.01	27.89	NLPH	<50.0	<50.0	9.0	0.70	<0.50	<0.50	<0.50
EA4	06/26/02	29.90	2.10	27.80	NLPH	<50	<50	2.00	<0.50	<0.50	<0.50	<0.50
EA4	09/30/02	29.90	1.81	28.09	NLPH	ļ	1	I	i	ļ	1	1
EA4	10/14/02	29.90	1.88	28.02	NLPH	<50	<50.0	3.60	<0.50	<0.50	<0.50	<0.50
EA4	12/27/02	29.90	1.04	28.86	NLPH	<50	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
EA4	03/20/03	29.90	1.62	28.28	NLPH	<50	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
EA4	05/23/03	29.90	2.07	27.83	NLPH	634	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
EA4	08/01/03	29.90	2.51	27.39	NLPH	<50	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
EA4	10/13/03	29.90	1.91	27.99	NLPH	<50	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
EA4	01/23/04	29.90	2.15	27.75	NLPH	<50	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
EA4	05/27/04	29.90	1.96	27.94	NLPH	22	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
EA4	08/27/04	29.90	2.11	27.79	N.PH	<50	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
EA4	12/01/04	29.90	2.45	27.45	NLPH	<50	<50.0	1.60	<0.50	<0.50	<0.50	<0.50
EA4	03/03/05	29.90	1.61	28.29	NLPH	<50	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
EA4	06/23/05	29.90	2.34	27.56	NLPH	57b	×100	<0.50	<0.50	<0.50	<0.50	<0.50
EA4	09/22/05	29.90	3.51	26.39	NLPH	<57.1	<50.0	1.48	<0.500	<0.500	<0.500	<0.500
EA4	12/21/05	29.90	1.18	28.72	NLPH	144b	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500
EA4	03/22/06	29.90	2.82	27.08	NLPH	<47	~ 20	<0.50	<0.50	<0.50	<0.50	<0.50
EA4	06/13/06	29.90	2.74	27.16	NLPH	<47	~ 20	<0.50w	<0.50w	<0.50w	<0.50w	0.59w
EA4	09/22/06	29.90	4.20	25.70	NLPH	<47	<50.0	1.71	<0.500	<0.500	<0.500	<0.500
EA4	12/21/06	29.90	2.02	27.88	N PH	<47	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500
EA4	03/20/07	29.90	2.31	27.59	N P I	· 20	~ 20	<0.50	<0.50	<0.50	<0.50	<0.50
EA4	6/11/2007	29.90	3.43	26.47	N DH	<20	<50	1.00	<0.50	<0.50	<0.50	<0.50
EA4	/0/08/30/01	29.90	8.38	21.52	N LPH	1	I	I	I	I	I	ŀ
EA4	12/11/0/	29.90	1.89	28.01	N.P.I	ŀ	I	i	I	1	l	I
EA4	03/19/08	29.90	3.23	26.67	NLPH	1	l	ı	l	I	I	1
EA4	90/10/08	29.90	3.23	26.67	NEPH	ļ	i	1	l	ŀ	1	;
EA5	12/21/87	ı	l	I	I	<0.1	⊽	i	580	09	09	310
EA5	06/29/88	I	1	1	ł		1.800	1	200	7.7	0	15
EA5	11/18/88	ì	ŀ	1	1	ļ	1.200	ı	320	12	17	2.0
EA5	01/09/89	24.43	2.18	22.25	N PH	ļ	. 1	i		! !	: 1	! !
EA5	01/17/89	24.43	2.6	22 17	I I	ļ	ł	i	ŀ	ł	ļ	į
FA5	02/15/89	24 43	2 29	22 14	Ī	ļ	1 200	į	420	42	8	c y
EA5	05/30/89	24.43	4 00	22.44		•	002,		77	7 :	3	7
η 7 7	06/01/89	24.43	2	7.77			1 800	İ	1 6	1 1	ן ל	7
ζ	001000	24:47	Í	ŀ	ł	!	000,1	ł	000	ne!	c.0>	=

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X (13	55	49	9.6	I	7.5	0.8	1.2	12	1	1,600	ļ	290	370	17		ŀ	47	i	9.4	34	34	<0.5	4.0	0.9	<10	<10	-20 -20	120	~ 50	~10	<5.0	<0.5	2.5	<1.0	<0.5	<0.5	<0.5	<0.5	160	47.6	46.0	15	<2.5		<2.5
E (na/L)	3.0	6.0	25	2.6	1	<2.5	<0.5	<0.5	5.3	1	280	ļ	83	37	3.0	!	ŀ	47	1	1.7	9	18	<0.5	4.1	<2.0	<10 <	<10	~ 20	20	<20	<10	<5.0	<0.5	<2.0	<1.0	<0.5	<0.5	<0.5	<0.5	16	×10	5.30	<12	<2.5		<2.5
	15	3.2	09	4.9	I	6.9	4.1	41	9.4	ì	2,000	!	22	22	7.3	1	ļ	11	1	4.0	11.0	25	<0.5	2.4	<2.0	<10	<10	89	26	<20	<10	<5.0	<0.5	<2.0	o.r ∨	<0.5	<0.5	<0.5	<0.5	310	18.3	23.0	13	3.8		<2.5
B (ua/L)	720	170	440	360	1	380	80	84	130	i	1,300	ŀ	290	200	300	ļ	ļ	420	ŀ	98	100	190	<0.5	13	10	39	130	160	290	120	83	59	1.5	7.5	4.3	<0.5	2.2	8.6	11	370	186	0.06	95	49		16
MTBE (ug/L)	/=.6-1/ 	ŀ	I	l	ŀ	1	1	ŀ	ţ	ŀ	ŀ	I	1	1	I	1	ł	!	ŀ	ŀ	i	ł	!	1	1	3,800	2,600	26,000	24,000	11,000	2,000	7,900	3,000	4,300/4,800k	3,600	570	320	2,200	5,900	22,000	45,200	16,000	80,000	36,000/52,000k		27,000
TPHg (ua/L)	1900	710	1,100	1,400	ł	1,100	420	230	770	1	11,000	1	1,600	3,700	2,200	ł	!	3,800	1	1,100	910	1,700	730	250	<200	<1,000	089	<5,000	<2,000	<2,000	<1,000	<500	110	<200	×100	~ 20	²⁰	166	9 0 i	2,400	1,100	864i	1,700	200		300
TPHd (ua/L)	1	ļ	ŀ	ļ	-	5,700	2,500	3,700	6,500	I	7,100	1	8,100	5,500	_	1	i	3,100	I	2,900	4,100	5,600	1,400	<50	1200b	2,500b	2,000	1,500	1,700	1,700d	820d	P006	420d	920d	440d	220d	210d	320d	290d	220	833	836d	1,000	350	Valero.	300
SUBJ	NLPH	NLPH	NLPH	NLPH	NLPH	ŀ	NLPH	NLPH	!	NLPH	N. PH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	۵	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NEPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	_	NLPH
GW Elev. (feet)	21.11	21.84	21.01	21.59	20.30	1	20.46	23.38	1	15.73	17.03	ļ	22.87	20.19	19.95	23.54	13.84	15.59	16.69	14.90	۵	15.74	14.52	21.24	23.18	14.84	14.34	21.41	ı	15.46	22.77	21.72	22.94	1	23.39	23.78	22.61	23.65	23.08	17.83	23.03	22.96	22.31	23.31	5	2
DTW (feet)	3.32	2.59	3.42	2.84	4.13	ŀ	3.97	1.05	ł	8.70	7.40	3.79	1.07	3.75	3.99	0.40	10.10	8.35	7.25	9.04	۵	8.20	9.42	2.70	0.76	9.10	9.60	2.53	1	8.48	1.17	2.22	1.00	<1.0	0.55	0.16	1.33	0.29	0.86	6.11	0.91	0.98	1.63	0.63	Property transferred f	0.79
LOC (feet)	24.43	24.43	24.43	24.43	24.43	24.43	24.43	24.43	24.43	24.43	24.43	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94
Sampling Date	08/10/89	01/16/90	04/12/90	02/10/90	10/08/90	10/10/90	01/22/91	04/03/91	06/24/91	06/28/91	10/03/91	01/23/92 a	04/28/92	07/23/92	10/22/92	01/25/93	04/13/93	07/02/93	10/12/93	01/13/94	04/04/94	07/14/94	10/12/94	01/09/95	04/12/95	07/10/95	10/13/95	01/17/96	04/04/96 t	07/15/96	10/21/96	01/07/97	04/28/97	07/22/97	10/14/97	01/13/98	04/14/98	07/14/98	10/13/98	01/19/99	06/24/99	09/21/99	12/30/99	03/22/00	April-2000	06/15/00
∏ Q	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5

CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California
(Page 10 of 29)

(µg/L) (µg/L) (µg/L) NLPH 750 930 NLPH 630 1 980 NLPH 630 1 980 NLPH 630 1 980 NLPH 460 1 390 1 1,300 NLPH 280 <1,200 NLPH 280 <1,300 NLPH 280 <1,300 NLPH 280 <1,300 NLPH 280 NLPH 283 822,000 NLPH 283 844 0 229 814 NLPH 284 141 0 8,470 NLPH 67 443 NLPH 680 NLPH 67 443 NLPH 680 NLPH 67 680 NLPH 67 680 NLPH 67 680 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 650 NLPH 650 000 650 NLPH 650 N	well well	Sampling	200	MTO	GW Elev.	SUBJ	TPHd	TPHg	MTBE	8	-	ш	×
PASTATION 2394 722 NIPH 759 950 45000 77 46 45 45 45 45 45 45 45	₽	Date		(feet)	(feet)		(µg/L)	(µg/L)	(hg/L)	(hg/L)	(hg/L)	(µg/L)	(hg/L)
1227/101 2344 722 145.72 141.74 450.1 360.0 1410 31 4.25.5 1227/101 2344 10.72 23.45 11.87 11.81 460.1 360.0 416 480.0 480.0 480.0 480.0 480.0 1227/101 23.44 40.0 23.44 40.0 41.00 41.00 480.0	EA5	09/27/00		0.82	23.12	NLPH	750	930	48,000	11	46	ŕ	\$
May-2001 234 90 072 222 M.P.H 400 360 36,000 46 6 6.2 5 6 6 6 6 6 6 6 6 6	EA5	12/27/00		7.22	16.72	NLPH	630	980	31,000	110	31	<2.5	28
May-2001 23.94 Property Parasiered from Violent On Pre-Incident School Nu.	EA5	12/27/01		0.72	23.22	NLPH	460	390	39,000	48	9	<2.5	7.3
ORGANOTI 23.94 4.00 19.94 NLPH 280 -1200 68.000 100 12 <12 1.00/2001 23.94 6.30 1/94 NLPH 280 -1200 68.000 100 17.2 -12 1.00/2001 23.70 NLPH 188 15.50 NLPH 188 15.50 10.0 780 100 17.0 17.0 002/2002 23.70 1.16 2.55 NLPH 188 15.50 17.0	EA5	May-2001		Property tran	Sferred from V	'alero to Petro	leum Sales Ir	<u>ئ</u>					
NO-COOL 1 23.70 R6.20 170.0 R8.00 380 <12 <12 VO-COOL 1 23.70 Mell surveyed in compliance with AB 2808 requirements. 1300 68.000 380 <12 <12 <12 1722001 23.70 1.65 24.75 NLPH 416 68.000 21.00 35.40 <10	EA5	06/24/01		4.00	19.94	NLPH	280	<1200	000'96	100	12	<12	<12
Nov.2001 3670 Well surveyed in compliance with A2 2080 requirements. 7880.00 2100 3540 <t< td=""><td>EA5</td><td>09/25/01</td><td></td><td>6.32</td><td>17.62</td><td>NLPH</td><td>490</td><td>1,300</td><td>08,000</td><td>380</td><td><12</td><td><12</td><td>18</td></t<>	EA5	09/25/01		6.32	17.62	NLPH	490	1,300	08,000	380	<12	<12	18
1,22,801 28,70 0.95 25.75 NLPH 322 22,000 1,04	EA5	Nov-2001		Well surveys	d in complianc	e with AB 288	6 requiremer	nts.					
QUZZBUZ 28.70 10.95 23.75 NLPH 168 135,000 200,000 15.40 760 170 QUZZBUZ 28.70 11.6 24.75 NLPH 416 68600 17,4000 55.5 24.70 64.0 QUZZBUZ 28.70 1.16 25.56 NLPH 419 68.00 17,400 55.9 24.0 64.0 QUZZBUZ 28.70 1.22 25.48 NLPH 149 2.0 2.16 2.30 2.0 1.0 2.0 1.0 2.0 0.0 </td <td>EA5</td> <td>12/28/01</td> <td></td> <td>5.68</td> <td>21.02</td> <td>NLPH</td> <td>332</td> <td>822,000</td> <td>788,000</td> <td>2,100</td> <td>3,540</td> <td><100</td> <td>1,050</td>	EA5	12/28/01		5.68	21.02	NLPH	332	822,000	788,000	2,100	3,540	<100	1,050
QUEZZORO 25.70 1155 24.75 NLPH 416 88.600 174,000 555 24.0 64.0 101/4022 25.70 115 25.55 NLPH 25.5 NLPH 25.5 14.200 21,600 86.4 2.1 2.9 101/4022 28.70 NLPH 25.5 NLPH 25.5 14.200 22.6 <t< td=""><td>EA5</td><td>03/28/02</td><td></td><td>0.95</td><td>25.75</td><td>NLPH</td><td>186</td><td>135,000</td><td>200,000</td><td>1,040</td><td>160</td><td>120</td><td>715</td></t<>	EA5	03/28/02		0.95	25.75	NLPH	186	135,000	200,000	1,040	160	120	715
09/2002 28.70 1.15 2.55.5 N.PH	EA5	06/26/02	26.70	1.95	24.75	NLPH	416	009'89	174,000	555	24.0	64.0	175
107/102 28.70 NLPH 283 14,200 21,600 864 210 2.30 02/2003 28.70 1.22 25.48 NLPH 119 8470 8290 226 -050 0.70 05/2003 28.70 1.22 25.48 NLPH 119 8470 8290 226 -050 0.70 05/2003 28.70 6.0 0 0 0 0.70 -050 0.70<	EA5	09/30/02	26.70	1.15	25.55	NLPH	1	. 1	-	I	I	ı	I
Q22003 26.70 L.	EA5	10/14/02	26.70	i	i	NLPH	263	14,200	21,600	85.4	2.10	2.30	5.20
QCR2003 28.70 6.29 26.48 NLPH 919 8,470 8,290 22.6 <0.50 0.70 <0.50 <0.70 <0.70 <0.50 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.70 <0.	EA5	12/27/02	26.70	ł	i	ľ	1	. 1	.	I	I	1	I
GEFSTORTS 28.70 6.29 20.41 NILPH 99 20.00 1,940 30.5 1.50 <0.25 GREFATOR 26.70 6.29 20.41 NILPH -2.9 814 184 31.9 0.70 10/17/304 28.70 6.0 0 0 254 141 54.3 24.4 3.90 0.70 01/17/304 28.70 8.05 18.65 NILPH -7.9 141 54.3 24.4 6.05 0.70 06/17/304 28.70 8.05 18.65 NILPH 22.8 84 387 42.4 6.05 0.05 6.05 0.05	EA5	03/20/03	26.70	1.22	25.48	NLPH	119	8,470	8,290	22.6	<0.50	0.70	<0.50
ORGANICA 2.6.70 0 0 2.29 614 188 614 3.90 0.70 ORGANICA 2.6.70 6.2.70 0 2.29 614 188 614 3.90 0.70 O1722/OL4 2.6.70 8.0.5 18.6.5 NLPH 67 443 453 4.60 4.0.50 <t< td=""><td>EA5</td><td>05/23/03</td><td>26.70</td><td>6.29</td><td>20.41</td><td>NLPH</td><td>66</td><td>2,020</td><td>1,940</td><td>30.5</td><td>1.50</td><td><0.50</td><td>6.90</td></t<>	EA5	05/23/03	26.70	6.29	20.41	NLPH	66	2,020	1,940	30.5	1.50	<0.50	6.90
101/27/03 26.70 8.05 18.65 NIPH <60.0 0.70 <0.65 <0.45 <0.45 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <0.65 <	EA5	08/01/03	26.70	0	0	0	229	814	188	61.4	3.90	0.70	6.40
01/23/04 28.70 18.68 NLPH 67 443 433 244 405 140 08/27/04 28.70 0 0 234 441 543 486 -0.50 -0.50 0 0 0 0 0 234 441 543 480 -0.50 -0.50 0	EA5	10/17/03	26.70	8.05	18.65	NLPH	1	<50.0	0.70	<0.50	<0.50	<0.50	<0.50
OBSZIV04 26.70 0 0 254 141 54.3 460 <0.50 <0.50 0827104 26.70 6.70 0 0 0 0 24.0 <0.50	EA5	01/23/04	26.70	8.02	18.68	NLPH	29	443	433	24.4	<0.50	1.40	2.00
08/27/04 26,70 8.05 18.65 NLPH 347 443 380 330 <0.50 <0.50 120/10/4 26,70 8.19 18.65 NLPH 328b 384 387 <0.50	EA5	05/27/04	26.70	0	0	0	254	141	54.3	4.60	<0.50	<0.50	<0.50
120/104 26.70 8.19 18.51 NLPH 328b 384 387 < 0.50 < 0.50 08/23/05 26.70 0 0 0 190b 449 476 < 0.50	EA5	08/27/04	26.70	8.05	18.65	NLPH	347	443	360	3.30	<0.50	<0.50	<0.50
09/23/05 26.70 0 0 190b 449 476 240 <0.50 <0.50 09/23/05 26.70 9.14 17.56 NLPH 686b 111 102 <0.50	EA5	12/01/04	26.70	8.19	18.51	NLPH	328b	384	367	<0.50	<0.50	<0.50	<0.50
06/23/05 26,70 9,14 17.56 NLPH 686b 111 102 <0.50 <0.50 <0.55 102/15/05 s 26,70 10.15 16.55 NLPH 696b 24.3 185 <0.50	EA5	03/03/05	26.70	0	0	0	190b	449	476	2.40	<0.50	<0.50	<0.50
99/22/05 2.6.70 16.55 NLPH 508b 24.3 185 3.76 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500	EA5	06/23/05	26.70	9.14	17.56	NLPH	989p	111	102	<0.50	<0.50	<0.50	<0.50
1221/105 s 26.70 7.58 19.12 NLPH <60.0 <60.50 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <td>EA5</td> <td>09/22/05 s</td> <td>26.70</td> <td>10.15</td> <td>16.55</td> <td>NLPH</td> <td>508b</td> <td>243</td> <td>185</td> <td>3.76</td> <td><0.500</td> <td><0.500</td> <td><0.500</td>	EA5	09/22/05 s	26.70	10.15	16.55	NLPH	508b	243	185	3.76	<0.500	<0.500	<0.500
03/22/06 s 26.70 10.12 16.58 NLPH 110b 6.800 570 820 420 23 06/13/06 s 26.70 10.12 16.58 NLPH 170b 5,100 1,100w 1,100w 1,100w 52w 06/13/06 s 26.70 10.21 16.49 NLPH 47 28 134 <0,500	EA5	12/21/05 s	26.70	7.58	19.12	NLPH	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500
06/13/06 s 26.70 3.36 23.34 NLPH 170b 5,100 1,100w 1,100w 1,100w 55w 122/106 s 26.70 10.21 16.49 NLPH <47	EA5	03/22/06 s	26.70	10.12	16.58	NLPH	110b	6,800	220	820	420	23	370
09/22/06 s 26.70 10.21 16.49 NLPH <47 295 85.7 19.6 <0.500 3.27 13/21/06 26.70 1.0.4 NLPH <47	EA5	06/13/06 s	26.70	3.36	23.34	NLPH	170b	5,100	1,100w	1,100w	1,100w	52w	810w
12/21/106 26.70 3.96 22.74 NLPH <47 68.7 45.4 13.4 <0.500 <0.500 03/20/07 26.70 NA NLPH <4	EA5	09/22/06 s	26.70	10.21	16.49	NLPH	<47	295	85.7	19.6	<0.500	3.27	10.1
03/20/07 26.70 NA NLPH —	EA5	12/21/06	26.70	3.96	22.74	NLPH	<47	68.7	45.4	13.4	<0.500	<0.500	<0.500
6/11/2007 26.70 NA NA NLPH <pre>6/11/2007 26.70 NA NA NLPH <pre>6/11/2007 26.70 NA NA NLPH <pre>6/11/2007 26.70 NB NLPH <pre>6/11/2007 26.70 NB NLPH <pre>6/11/2007 26.70 NB NLPH <pre>6/11/2007 6.50 NB 6 80 11</pre></pre></pre></pre></pre></pre>	EA5	03/20/07	26.70	¥	Ϋ́	NLPH	ì	1	1	1	ı	ì	ł
08/30/07 26.70 10.13 16.57 NLPH 440 <50 78 <0.50 <0.50 12/11/07 26.70 8.76 17.34 NLPH 220y <50	EA5	6/11/2007	26.70	Ą	Ϋ́	NLPH	<50	98	80	=	က	<0.50	<0.50
12/11/07 26.70 9.36 17.34 NLPH 220y <50 100 7.8 <0.50 <0.50 03/19/08 26.70 8.76 17.94 NLPH 200 <50 1.2 <0.50 <0.50 <0.50 06/10/08 26.70 2.07 24.63 NLPH 200 <50 1.2 <0.50 <0.50 <0.50 06/29/8 24.24 2.07 22.17 0.02 — — 810 430 170 11/18/8 24.24 2.07 22.17 0.01 — — 5,100 — 810 430 170 02/15/89 24.24 2.07 22.17 0.01 — — — — — — — 05/10/89 24.24 2.08 22.16 NLPH — 7,000 — — — — — 06/01/89 24.24 2.14 NLPH — 4,400 — — <t< td=""><td>EA5</td><td>08/30/02</td><td>26.70</td><td>10.13</td><td>16.57</td><td>NLPH</td><td>440</td><td><50</td><td>78</td><td><0.50</td><td><0.50</td><td><0.50</td><td><0.50</td></t<>	EA5	08/30/02	26.70	10.13	16.57	NLPH	440	<50	78	<0.50	<0.50	<0.50	<0.50
03/19/08 26.70 8.76 17.94 NLPH 200 <50 1.2 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.5	EA5	12/11/07	26.70	9.36	17.34	NLPH	220y	<50	100	8.7	<0.50	<0.50	<0.50
06/10/08 26.70 2.07 24.63 NLPH 320 420 120 22 1.9 0.78 06/29/88 24.24 — — — — — — 775 28 75 11/18/88 24.24 2.63 21.61 0.02 — — — — — — 01/10/9/89 24.24 2.07 22.17 0.01 —	EA5	03/19/08	26.70	8.76	17.94	NLPH	200	<50	1.2	<0.50	<0.50	<0.50	<0.50
06/29/88 24.24 — — — — — — 775 28 75 11/18/88 24.24 — — — — 5,100 — 775 28 75 01/09/89 24.24 2.63 21.61 0.02 — — — — — — 01/17/89 24.24 2.07 22.17 0.01 —	EA5	06/10/08	26.70	2.07	24.63	NLPH	320	420	120	22	1.9	0.78	2.0
11/18/88 24.24 — <t< td=""><td>EA6</td><td>06/29/88</td><td>24.24</td><td>ł</td><td>1</td><td>ļ</td><td>ł</td><td>3,100</td><td> </td><td>775</td><td>28</td><td>75</td><td>655</td></t<>	EA6	06/29/88	24.24	ł	1	ļ	ł	3,100		775	28	75	655
01/09/89 24.24 2.63 21.61 0.02 —	EA6	11/18/88	24.24	ļ	ł	1	I	5,100	1	810	430	170	540
01/17/89 24.24 2.07 22.17 0.01 —	EA6	01/09/89	24.24	2.63	21.61	0.02	i	ŀ	ŀ	i	ļ	1	I
02/15/89 24.24 2.08 22.16 NLPH 7,000 1,800 100 560 60530/89 24.24 1.75 22.49 NLPH 4,400 860 24 320 66/01/89 24.24 3.10 21.14 NLPH 2,500 560 9.0 120 61/16/90 24.24 2.40 21.84 NLPH 8,100 1,100 1,500 130 64/12/90 24.24 3.22 21.02 NLPH 7,400 220 55 120	EA6	01/17/89	24.24	2.07	22.17	0.01	1	ł	1	ļ	i	ŀ	
06/30/89 24.24 1.75 22.49 NLPH 44.00 860 24 320	EA6	02/15/89	24.24	2.08	22.16	NLPH	1	2,000	i	1,800	100	260	3,600
06/01/89 24.24 3.10 21.14 NLPH 2,500 560 9.0 120 04/12/90 24.24 2.40 21.84 NLPH 8,100 1,100 1,500 130 04/12/90 24.24 3.22 21.02 NLPH 7,400 220 55 120	EA6	05/30/89	24.24	1.75	22.49	NLPH	1	. 1	1	. 1	I	. 1	I
08/10/89 24.24 3.10 21.14 NLPH 2,500 560 9.0 120 120 01/16/90 24.24 2.40 21.84 NLPH 8,100 1,100 1,500 130 04/12/90 24.24 3.22 21.02 NLPH 7,400 220 55 120	EA6	06/01/89	24.24	I	I	I	1	4,400	ı	860	24	320	68
01/16/90 24.24 2.40 21.84 NLPH 8,100 1,100 1,500 130 04/12/90 24.24 3.22 21.02 NLPH 7,400 220 55 120	EA6	08/10/89	24.24	3.10	21.14	NLPH	1	2,500	I	260	0.6	120	88
04/12/90 24.24 3.22 21.02 NLPH 7.400 220 55 120	EA6	01/16/90	24.24	2.40	21.84	NPH	ļ	8,100	1	1,100	1.500	130	280
	FAG	04/12/90	24 24	3 22	21.02	T d	ļ	7.400	ŀ	220	55	120	130

TABLE 2
CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
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1	ı																																												
(na/L)	090	}	12	2.8	37		2,100	620	1	ı	1	İ	1,300	280	450	I	110	l	530	120	99	180	I	4,600	1,000	200	200	5,500	170	310	620	4,200	310	140	820	1,900	400	98	09/	2,500	290	130	1,100	450	99
E (na/L)	380	}	1.4	1.0	6.0		52	140	-1	1	ŀ	1	170	62	830	l	20	I	130	28	21	36	1	1,200	170	62	140	1,300	33	84	160	1,400	79	22	250	920	180	<10	260	200	100	130	200	170	36
T (na/L)	71	:	7.0	4.7	3.0		10,000	520	ł	1	ł	1	670	20	29	ŀ	22	ł	260	31	41	120		4,400	140	80	510	2,900	56	310	480	820	22	140	470	420	99	49	1,100	870	31	69	550	130	<20
B (ua/L)	630	}	310	110	100		727	250	ŀ	}	1	1	420	360	780	1	200	1	950	310	370	410	1	4,700	970	300	089	5,400	250	420	200	2,500	400	340	930	3,000	810	970	1,200	2,400	540	2,000	1,400	540	230
MTBE (ua/L)	1	1	ł	1	ı		ı	1	ŀ	1	1	-	1	!	1	1	1	ł	I	ŀ	1	ł	!	ł	ŀ	ì	ļ	l	ŀ	1	i	1	ŀ	ł	I	!	1	1	2,700	2,600	3,300	1,600	8,300	9,400	6,400
TPHg (ua/L)	8 900	<u> </u>	2.400	2,000	882		14,000	3,800	ŀ	1	I	ł	4,900	3,700	9,400	ŀ	1,300	1	5,700	2,300	2,300	4,400	1	38,000	8,500	6,500	6,400	39,000	3,900	540	10,000	26,000	006'9	6,800	10,000	19,000	009'6	3,400	7,700	16,000	4,200	000'6	8,000	4,100	2,500
TPHd (ua/L)	(I	9,400	4,800	9006,9		ł	l	ŀ	1	ŀ	ŀ	I al		1	1	I	i	490	09	200	ŀ	970	1,900	ح	1,100	970	200	170	800	2,200	8,100	1,800	650	1,800	2,000	1,300b	1300b	930b	1,600	1,300	1,500	1,200d	P066	440d
SUBJ	Hd	N H		NLPH	NLPH		i		NLPH	NLPH	NLPH	NLPH	1	NLPH	NLPH	NLPH	NLPH	NLPH	1	NLPH	NLPH	1	N.P.H	NLPH	NLPH	NLPH	NLPH	NLPH	NI.PH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NEPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH
GW Elev. (feet)	21.62	20.30	1	20.46	23.38		l	1	19.28	19.42	19.37	19.86	!	19.45	19.10	19.41	19.69	18.97	1	18.50	20.19	1	18.92	17.65	17.96	20.24	19.29	17.69	20.15	19.54	19.30	17.37	18.18	18.98	19.32	17.26	18.84	20.52	19.37	18.04	18.99	20.44	19.83	19.36	18.99
DTW (feet)	2 62	3.94	1	3.78	0.86	Ö	1	1	5.34	5.20	5.25	4.76	1	5.17	5.52	5.21	4.93	5.65	ŀ	6.12	4.43	ł	5.70	6.97	99.9	4.38	5.33	6.93	4.47	2.08	5.32	7.25	6.44	5.64	5.30	7.36	5.78	4.10	5.25	6.58	5.63	4.18	4.79	5.26	5.63
TOC (feet)	24 24	24.24	24.24	24.24	24.24	Well destroyed	I	ł	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62
Sampling Date	02/10/90	10/08/90	10/10/90	01/22/91	04/03/91	06/24/91	06/29/88	11/18/88	01/09/89	01/17/89	02/15/89	05/30/89	06/01/89	08/10/89	01/16/90	04/12/90	05/110/90	10/08/90	10/10/90	01/22/91	04/03/91	06/24/91	06/28/91	10/03/91	01/23/92	04/28/92	07/23/92	10/22/92	01/25/93	04/13/93	07/02/93	10/12/93	01/13/94	04/04/94	07/14/94	10/12/94	01/09/95	04/12/95	07/10/95	10/13/95	01/17/96	04/04/96	07/15/96	10/21/96	01/07/97
Well	FA6	EA6	EA6	EA6	EA6	EA6	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7	EA7

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Well	Samplino	COL	WTC	GW Flev	SIBI	TPHA	TPHG	MTRE	۳		Ш	*
₽	Date	(feet)	(Jeet)	(feet)		(na/L)	(na/L)	(na/L)	(na/L)	(na/L)	(na/l)	(/on)
EA7	04/28/97	24.62		20.02	NEPH	9068	5.100	3.300	2.400	45	25	60
EA7	07/22/97	24.62		20.11	NLPH	2,600d	15,000	2,700	6.500	<100	32	130
EA7	10/14/97	24.62	4.67	19.95	NLPH	280d	2,600	2,000	270	14	32	46
EA7	01/13/98	24.62		20.32	NLPH	860d	3,400	3,000	800	21	35	24
EA7	04/14/98	24.62	4.40	20.22	NLPH	1,600d	15,000	2,500	5,400	110	240	190
EA7	07/14/98	24.62	4.14	20.48	NLPH	2,000d	12,000	3,600	7,300	190	300	<100
EA7	10/13/98	24.62		20.12	NLPH	490d	2,900	1,400	380	20	56	38
EA7	01/19/99	24.62	5.23	19.39	NLPH	270	2,300	1,400	120	18	8.9	22
EA7	06/24/99	24.62	4.03	20.59	NLPH	2,460	9,450	3,080	3,750	123	121	509
EA7	09/21/99	24.62	4.35	20.27	NLPH	584d	7,020i	18,900	450	89.6	120	202
EA7	12/30/99	24.62	4.49	20.13	NLPH	066	2,000	26,000	150	7.3	20	21
EA7	03/22/00	24.62	4.01	20.61	NLPH	630	10,000	16,000/21,000k	3,600	80	85	94
EA7	April-2000	24.62	Property transferred 1	sferred from E	xxon Mobil to	Valero.	•					
EA7	06/15/00	24.62	3.93	20.69	NLPH	850	30,000	21,000	006'9	190	260	240
EA7	09/27/00	24.62	4.22	20.40	NEPH	320	7,700	20,000	630	140	230	257
EA7	12/28/00	24.62	4.62	20.00	NEPH	230 I	2,000	21,000	250	15	7	23
EA7	03/27/01	24.62	4.54	20.08	NLPH	1092	12,000	33,000	3,700	92	100	160
EA7	May-2001	24.62	Property transferred	Serred from V	'alero to Petro	oleum Sales Ir	ر ک					
EA7	06/26/01	24.62		20.10	NLPH	220	14,000	32,000	4,300	120	140	184
EA7	09/25/01	24.62	5.37	19.25	NLPH	510	2,900	13,000	290	47	20	72
EA7	Nov-2001	27.43	Well surveyed in com	ed in complianc	be with AB 28	36 requiremer	ıts.					
EA7	12/28/01	27.43		22.68	NLPH	459	5,340	9,820	205	<50.0	<50.0	<50.0
EA7	03/28/02	27.43		23.43	NLPH	270	53,400	67,700	585	50.0	75.0	75.0
EA7	06/26/02	27.43		22.97	NLPH	511	25,300	65,500	1,600	79.0	156	158
EA7	09/30/02	27.43		23.26	NLPH	1	ļ	ı	1	1	ı	ŀ
EA7	10/14/02	27.43		23.19	NLPH	338	2,630	785	139	7.40	19.0	35.6
EA7	12/27/02	27.43		23.98	NLPH	140	2,430	999	101	10.2	9.30	42.1
EA7	03/20/03	27.43		23.21	NLPH	151	5,120	820	281	18.1	23.9	41.6
EA7	05/23/03	27.43	4.11	23.32	NLPH	490	11,100	26,000	5,100	8.66	92.0	88.7
EA7	08/01/03	27.43		23.08	NLPH	882	52,800	27,600	5,350	146	152	156
EA7	10/17/03	27.43		21.87	NLPH	251	3,000	11	250	10.5	11.9	55.3
EA7	01/23/04	27.43		22.79	NLPH	137	1,620	94.3	121	4.50	3.70	9.80
EA7	05/27/04	27.43		23.06	NLPH	305	5,630	1,510	534	15.7	11.7	28.2
EA7	08/27/04	27.43		23.01	NLPH	642	7,200	152	825	109	397	253
EA7	12/01/04	27.43	4.92	22.51	NLPH	140b	1,890	47.1	88.3	6.50	7.60	32.0
EA7	03/03/05	27.43		22.85	NLPH	258b	1,130	43.0	54.5	1.90	2.80	4.10
EA7	06/23/05	27.43		22.25	NLPH	245b	1,250	59.5	23.1	4.00	2.10	12.1
EA7	09/22/05	27.43		22.55	NLPH	410b	3,110	52.4	197	19.0	78.2	47.0
EA7	12/21/05	27.43		22.71	NLPH	341b	1,360	23.8	110	5.96	3.26	8.74
EA7	03/22/06	27.43		22.40	NLPH	71b	880	56	99	2.8	5.6	7.7
EA7	06/13/06	27.43		22.08	NLPH	130b	1,800	310w	280	13w	1.8w	6.4w
E47	09/22/06	27.43	_	22.53	NLPH	240b	1,470	48.7	89.5	10.1	5.24	29.4
EA7	12/21/06	27.43		22.87	NLPH	160b	1,370	26.2	53.8	5.92	1.48	9.05
EA7	03/20/07	27.43	_	23.73	NLPH	<500	2,100	420	280	18	30	22
EA7	6/11/2007	27.43		22.47	N.PH	<100	2,500	180	270	19	24	27
EA7	08/30/07	27.43	5.85	21.58 NLPH <600 4,50	NLPH	009>	4,500	99	160	25	88	65

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×	(hg/L)	14	4.4	5 4	009.6	4.200	Ī	- 1	I	I	2,400	3,900	3,000	3,100	i	820	3,400	1,300	2,800	1	1,500	71	160	120	9.6	370	1,200	1,100	450	99	200	420	270	78	28	230	ł	35	: 1	ŀ	1,000	100	8	8
ш .	(hg/L)	10	6.5	24	1,000	096	1	ł	1	ł	820	1,400	1,200	920	ŀ	2,300	930	<0.5	200	İ	400	34	99	09	10	110	320	270	82	17	73	150	89	14	45	110	1	13	1	1	350	140	2	2
⊢ .	(µg/L)	6.1	83. 83.	16	11,000	2,000	. 1	ı	ŀ	ł	3,900	4,900	5,500	7,100	ŀ	4,500	64,000	3,100	2,600	1	2,800	30	130	06	5.8	360	1,200	970	230	22	250	430	110	12	35	92	ł	22		I	290	43		!
B	(hg/L)	88 i	£ 5	200	8,900	009'6	. 1	ì	ł	1	11,000	6,400	11,000	10,000	ł	6,300	9,200	8,700	6,300	. 1	4,300	160	400	270	27	300	1,100	1,100	340	250	950	1,200	430	240	360	810	i	210	1	I	3.800	1.000		1
MTBE	(hg/L)	17	£ 52	140	1	ì	1	ŀ	1	ŀ	1	l	ı	I	ł	l	ı	ŀ	l	ŀ	1	!	1	!	I	1	1	l	l	ł	1	ŀ	ł	i	i	<50	i	150	ì	ŀ	200	200		ŀ
TPHg	(hg/L)	880	640	2,100	45,300	30,000	1	I	l	1	32,000	36,000	30,000	42,000	i	27,000	32,000	29,000	37,000	. 1	21,000	1,900	2,100	2,200	890	3,100	12,000	12,000	006'9	1,700	4,100	6,800	4,900	1,500	1,600	2,700	ł	1,400	. 1	1	12.000	2.200		-
TPHd	(hg/L)	300	<400	<400	I	l	I	1	1	İ	1	1	1	1	ŀ	1,300	670	450	3,700c	1	1,800	160	840	1,100c	400	150	;	2,700	4,300	1	1,100	2,600	1,900	190b	1,000b	1,700b	1	1,500	, 1	ŀ	3,000d	1.800d		ł
SUBJ		Z Z		Z	I	ŀ	NEPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	i	NLPH	NLPH	l	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	N.PH	NLPH	Hd J	NLPH	N. PH	N _L PH	NLPH	NLPH	NLPH	NCPH	NLPH		
GW Elev.	(teet)	22.37	22.98	/8.12	i	ļ	20.44	20.33	20.53	20.15	19.58	20.08	20.10	19.69	18.67	1	18.76	21.00	i	19.25	18.28	20.38	20.75	19.05	17.79	23.04	14.21	14.62	15.45	14.11	17.10	16.26	15.58	21.25	22.31	15.31	14.06	22.20	22.90	15.00	19.23	20.96		i
DTW	(reet)	5.06	4.40 6.40	3.30	ŀ	ļ	4.60	4.71	4.51	4.89	5.46	4.96	4.94	5.35	6.37	1	6.28	4.04	ŀ	5.79	9.76	4.66	4.30	00.9	7.26	2.01	10.84	10.43	9.60	10.94	7.95	8.79	9.47	3.80	2.74	9.74	10.99	2.85	2.15	10.05	5.82	4.09		1
100	(Teet)	27.43	27.43	64.12	.]	ł	25.04	25.04	25.04	25.04	25.04	25.04	25.04	25.04	25.04	25.04	25.04	25.04	25.04	25.04	25.04	25.04	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05		25.05
Sampling	Date	12/11/07	05/19/00	00/10/00	06/29/88	11/18/88	01/09/89	01/17/89	02/15/89	05/30/89	08/10/89	01/16/90	04/12/90	05/110/90	10/08/90	10/10/90	01/22/91	04/03/91	06/24/91	06/28/91	10/03/91	01/23/92	04/28/92	07/23/92	10/22/92	01/25/93	04/13/93	07/02/93	10/12/93	01/13/94	04/04/94	07/14/94	10/12/94	01/09/95	04/12/95	07/10/95	10/13/95	01/17/96	04/04/96	07/15/96	10/21/96	01/07/97		04/28/97 g
Well	2 :	EA/) 	Ì	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	C Y L	A H

×	(µg/L)	12		1	ŀ	465	130	270	28		214	121	8	5.3		125	1.7		128	95.0	4.80	1	<0.50	183	2.80	5.70	<0.50	1.10	<0.50	1.20	<0.50	<0.50	15.8	1.20	<0.500	4.35	0.69	0.54	<0.500	0.590	<0.50	<0.50	1	<0.50	9 9	0.50
ш	(hg/L)	3.5	ì	1	i	15.7	8.00	3.9	2.2		7.4	4.5	3.8	3.3		14	1.7		38.0	38.8	1.00	ŀ	<0.50	67.3	2.00	080	<0.50	0.70	<0.50	<0.50	<0.50	<0.50	8.50	<0.50	<0.500	7.46	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50		<0.50	9 6	<0.50
<u> </u>	(hg/L)	4.1	1	****	i	137	25.0	40	7.1		38	25	3.8	<0.5		25	<0.5		9.20	00.6	3.20	ı	<0.50	8.50	0.60	0.60	0.70	<0.50	<0.50	0.70	<0.50	<0.50	1.40	<0.50	<0.500	1.70	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	1	<0.50	9 6	0.50
B	(hg/L)	29	i	I	I	1,240	409	490	250		650	370	190	260		860	110		70.3	113	126	1	16.4	76.8	39.4	36.0	27.9	08.6	5.90	16.9	7.20	5.80	14.6	10.4	6.54	15.3	2.5	2.3	1.47	11.3	1.7	<0.50		12	1 4	25 25
MTBE	(hg/L)	23	l	1	i	<20	<25	~	3.7		~	2.9	7	2.2		?	~		1.10	<0.5	0.80	1	<0.50	1.60	<0.50	<0.50	09:0	2.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50w	0.820	0.650	<0.50	1.00		<0.50	0.00	6.50
TPHg	(µg/L)	650	I	I	I	4,270	1,620i	2,300	910		3,900	1,400	610	910	.:		520	vi	984	916	381	. 1	186	869	138	77.1	213	169	<50.0	157	87.6	61.7	122	<100	51.1	124	~20	2 0	<50.0	91.2	~ 20	~ 20	۱ ا	95	3 4	150
PH4T	(hg/L)	520d	1	1	ļ	Φ	1,430d	890	140	to Valero.	490	009	580 1	300 I,m	oleum Sales	140	240	86 requireme	201	73.0	<50	!	NLPH 234	134	S	1.080	\$ \$	71	<50	65	180	85b	117b	256b	111b	465b	48b	<47	<47	<47	<50	<50	1	78v	6	130 20
SUBJ		NLPH	1	1	!	NLPH	NLPH	NLPH	NLPH	=		NLPH	NLPH	NLPH	from Valero to Petroleum Sales Inc	NLPH	NLPH	e with AB 28	NLPH	NLPH	NLPH	N PH	N PH	N PH	N P	NLPH	N F	HdJN	NLPH	NLPH	NLPH	N.PH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH		N PH		NLPH
GW Elev.	(reet)	21.69	1	ŀ	1	19.39	19.09	19.21	21.80	rom	7	19.42	20.71	21.12	sferred from Va	19.38	16.94	ed in compliance	24.78	24.57	21.84	21.36	21.51	25.59	24.62	23.86	22.29	21.44	23.53	22.95	20.14	22.56	25.46	22.01	21.72	26.47	24.63	22.03	20.88	23.08	23.22	21.72		22.63	22.45	21.53
MTQ (feet)	(Teet)	3.36	1	I	i	5.66	5.96	5.84	3.25	Property transferred i	4.93	5.63	4.34	3.93	Property transferred	5.67	8.11	Well surveyed in com	2.90	3.11	5.84	6.32	6.17	5.09	3.06	3.82	5.39	6.24	4.15	4.73	7.54	5.12	2.22	2.67	5.96	1.21	3.05	5.65	6.80	4.60	4.46	5.96	¥	5.05	20.5	6.15
TOC	(leet)	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	25.05	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.68	27.60	27.68
Sampling	Dale	04/14/98	07/14/98 j	10/13/98 j	01/19/99 j	06/22/99	09/21/99	12/30/99	03/22/00	April-2000	06/12/00	09/27/00	12/28/00	03/27/01	May-2001	06/26/01	09/25/01	Nov-2001	12/28/01	03/28/02	06/26/02	09/30/02	10/14/02	12/27/02	03/20/03	05/23/03	08/01/03	10/17/03	01/23/04	05/27/04	08/27/04	12/01/04	03/03/05	06/23/05	09/22/05	12/21/05	03/22/06	06/13/06	09/22/06	12/21/06	03/20/07	6/11/2007	08/30/07	12/11/07	03/40/08	06/10/08
Well	_ - -	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EY8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	EA8	2 Q V II	E 48

CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Det Presidio Boulevard
San Rafael, California
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TABLE 2
CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California
(Page 15 of 29)

	ı																																													
× (na/L)	<1.5	1	<0.5	<0.5	4.4	1.3	<0.5	5.6	13	0.7	<0.5	1.3	5.2	1.2	<0.5	5.1	7.1	<10	<0.5	1	i	•	-	2.6	ŀ	1	1	1	1	12	<0.5	<0.5	11.3	7.20	0.92	8.5		6.1	7.4	5.77	8.2		3.76	16.9	2	5.10
E (ug/L)	<0.5	1	<0.5	<0.5	3.3	<0.5	<0.5	2.4	15	<0.5	<0.5	<0.5	4.3	9.0	<0.5	2.2	6.6	<10	<0.5	i	4	J	I	<2.5	I	ŀ	ł	ŀ	1	8.9	<0.5	<0.5	<2.5	1.38	<0.5	2.6		<2.5	2.4	1.9	2.1		<0.5	5.5	9	2.40
T (µa/L)	<0.5	ŀ	<0.5	<0.5	3.6	2.4	<0.5	4.6	13	0.7	<0.5	2.5	3.9	3.5	<0.5	5.6	4.0	<10	<0.5	i	l	i	1	<2.5	-	I	1	1	1	<5.0	0.77	0.59	6.45	4.20	0.78	5.9		4.4	4	2.9	3.2		1.9	7.2	!	2.60
B (ug/L)	1.1	1	<0.5	0.7	69	5.5	<0.5	140	260	0.9	<0.5	44	91	6.2	<0.5	96	120	<10	15	I	1	ı	I	56	ł		l	l	1	41	<0.5	1.8	45.7	63.6	8.8	69		88	37	40	78		17	14	•	17.5
MTBE (ug/L)		ŀ	ļ	1	1	ł	i	1	i	ł	i	ļ	i	1	ŀ	1	1	3,700	3,500	. 1	1	i	ŀ	1,200	ł	1	ł	1	1	1,300	800	630	1,150	1,020	720	920		1,100	920	550	1,100	•	1,700	1.500	2)	1,210
TPHg (ug/L)	<50	1	<50	<50	1,000	260	<50	1,100	3,900	2,100	<50	540	1,200	2,800	2,700	3,800	1,200	<1,000	· \$20	ŀ	!	ı	1	520	1	!	ł	ł		2,700	220	06	1,770	1,550i	330	1,600		860	1,300	096	1,200	ن	1,300	670		1,480
TPHd (yg/L)	300	1	170	430	470	260	130	320	470	310	370	700	1	260	150	1,400b	820b	540b	280	!	1	i	i	340d	ŀ	1	i	l	1	400d	210d	140	641	20ed	170	110	o Valero.	180	140	2101	E,	roleum Sales In	82	180	iance with AB 2886 requirements	254
SUBJ	1	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	Exxon Mobil to	NLPH	NLPH	NLPH	N.PH			Z	o with AR 25	NLPH
GW Elev. (feet)		19.26	19.75	19.89	20.07	20.00	19.52	20.15	20.09	19.93	19.76	20.00	19.94	19.86	19.76	19.98	20.03	19.81	19.81	19.95	20.06	19.95	19.78	19.96	19.84	19.83	19.79	20.00	19.95	19.83	19.71	20.36	19.93	19.85	19.69	23.24	Ĕ	19.86	19.83	19.89	20.06	Property transferred from Valero to Pel	19.42	19.86	_	-
DTW (feet)	1	6.10	5.61	5.47	5.29	5.36	5.84	5.21	5.27	5.43	5.60	5.36	5.42	5.50	5.60	5.38	5.33	5.55	5.55	5.41	5.30	5.41	5.58	5.40	5.52	5.53	5.57	5.36	5.41	5.53	5.65	5.00	5.43	5.51	2.67	2.12	Property transferred fro	5.50	5.53	5.47	5.30	Property train	5.94	5.50	Well surveyed in comm	5.40
TOC (feet)		25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	25.36	27.06	27.96
Sampling Date	06/24/91	06/28/91	10/03/91	01/23/91	04/28/92	07/23/92	10/22/92	01/25/93	04/13/93	07/02/93	10/12/93	01/13/94	04/04/94	07/14/94	10/12/94	01/09/95	04/12/95	07/10/95	10/13/95	01/17/96	04/04/96	07/15/96	10/21/96	01/07/97	04/28/97	07/22/97	10/14/97	01/13/98	04/14/98	07/14/98	10/13/98	01/19/99	06/24/99	09/21/99	12/30/99	03/22/00	April-2000	06/12/00	09/27/00	12/28/00	03/27/01	Mav-2001	06/26/01	09/25/01	Nov-2001	12/28/01
Μe D	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	EA9	E49

TABLE 2 CUMULATIVE GROUNDWATER SAMPLING DATA Valero Station 13781 930 Del Presidio Boulevard San Rafael, California (Page 16 of 29)

09/28/02 27.96 5.40 06/28/02 27.96 5.53 09/30/02 27.96 5.53 09/30/03 27.96 5.54 10/14/02 27.96 5.56 10/14/02 27.96 5.56 10/13/03 27.96 5.57 10/13/03 27.96 5.57 10/13/04 27.96 5.57 12/11/04 27.96 5.57 12/11/04 27.96 5.50 09/22/04 27.96 5.50 09/22/04 27.96 5.50 09/22/05 27.96 5.50 09/22/05 27.96 5.50 09/22/06 27.96 5.50 09/22/09 27.96 5.20 09/22/	Well Sampling	TOC (feet)	DTW (feet)	GW Elev.	SUBJ	DH4T	TPHg	MTBE	B (1/011)		E (1/011)	X ()/011)
Controlled Con		22.06	(1001)	(1991)		(P9/L)	(PS/L)	(Jug/L)	(P9/L)	(µ9/L)	(µg/L)	(PQ/L)
Controller		06.72	5.40	22.56	Z Z	13/	1,880	2,500	14.0	2.00	09.1	4.50
0350002 27.98 558 22.33 NLPH 73 558 22.00 0.00		27.96	5.53	22.43	NLPH	105	2,000	1,560	×100	<100	×100	×100
1,27,102 27,88 5,58 22,40 NLPH 73 5,58 5,28 22,00 NLPH 73 5,58 5,58 22,59 NLPH 73 5,58 5,58 22,59 NLPH 73 5,59 5,19 5,19 5,10		27.96	5.58	22.38	NLPH	ŀ	i	ļ	1	I	I	1
1927/2002 27.98 5.58 2.26.0 NIPH 17.0 1340 87.0 9.80 2.00 14.0 0967/2003 27.89 5.58 22.60 NIPH 17 14.40 57.8 18.3 2.00 2.00 0867/2003 27.89 5.54 22.26 NIPH 10 15.90 16.0 2.00 0.00 0867/2003 27.89 5.54 22.22 NIPH 10 15.90 16.0 2.00 0.00 010230-4 27.89 5.54 22.20 NIPH 10 15.90 16.0 2.00 0.00 010230-4 27.89 5.54 22.40 NIPH 9 15.20 2.00 1		27.96	5.56	22.40	NLPH	73	536	326	2.20	<0.50	1.80	6.10
ORGANION 77.99 5.38 2.28 NLPH NS 21.90 452 19.6 2.00 2.00 ORGANION 27.99 5.44 2.26 NLPH 10.9 119.0 14.9 1.90 1.00 0.00		27.96	5.36	22.60	NLPH	120	1,340	870	9.80	2.00	1.40	3.90
06/20/03 27.98 5.45 22.51 NIPH 17 1,440 218 16.3 3.80 2.40 06/20/03 27.98 5.45 22.24 NIPH 10 1590 65.6 16.0 2.00 0.00 010/12/03 27.98 5.44 22.24 NIPH 110 1590 60.0 1.00 0.00 010/12/04 27.98 5.44 22.24 NIPH 10 1590 60.0 1.00 0.00 0657704 27.98 5.45 22.43 NIPH 9 1530 26.0 1.00 1.00 065707 27.98 5.90 22.43 NIPH 9 1520 26.0 1.00		27.96	5.38	22.58	NLPH	SN	2,190	452	19.6	2.60	2.00	4.20
OBSTORM 77.96 5.57 22.23 NIPH 128 1,000 56.0 5.00 150 0.09 OBSTORM 27.96 5.54 22.22 NIPH 9 1,500 610 150 0.09 OBSTORM 27.96 5.54 22.62 NIPH 9 1,500 66.0 150 0.09 OBSTORM 27.96 5.59 22.44 NIPH 9 1,500 60.0 150 0.09 OBSTORM 27.96 5.59 22.44 NIPH 20.0 150 1.00 1.00 OBSTORM 27.96 5.40 22.6 NIPH 20.0 1.20 1.00 1.00 OBSTORM 27.96 5.40 22.6 NIPH 1.00 20.2 1.40 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		27.96	5.45	22.51	NLPH	_	1,440	218	16.3	3.80	2.40	10.6
1017303 27.96 5.44 22.42 NIPH 110 897 640 640 150 640	-	27.96	5.57	22.39	NLPH	128	1,090	81.9	9.90	2.00	0.00	3.10
Display 17.99 5.44 22.52 NIPH 9 1.990 6.66 114 144 2.00 1.90		27.96	5.54	22.42	NLPH	110	937	54.0	9.00	1.50	<0.50	1.80
Control		27.96	5.44	22.52	NLPH	σ	1,560	114	14.4	2.00	1.80	5.50
1,000,000 1,000		27.96	5.56	22.40	NLPH	0	1,390	65.6	16.6	3.40	1.90	4.80
1201/104 279		27.96	5.52	22.44	NLPH	0	1,620	26.6	13.7	3.30	1.30	4.30
QQCQQQC XYB S22 66 NLPH 222b 1580 37.2 14.4 240 160 QQCQQCG XYB 5.56 S24,0 NLPH 142b 55.2 14.4 2.40 160 QQCQQC XYB 5.56 S24,0 NLPH 142b 55.2 2.17 2.25 QQCQQC XYB 5.52 S27,4 NLPH 170b 1500 2.86 2.17 2.25 QQCQQC XYB 5.50 S22,6 NLPH 160b 140 5.89 2.17 2.89 1.75 3.25 1.50 1.50 2.77 1.75 3.25 1.50 1.50 1.75 3.25 1.50 1.50 1.75 3.25 1.50 1.50 1.75 1.		27.96	6.53	21.43	NLPH	908 908	1.140	32.4	08.6	3.80	4.00	12.0
0062205 77.96 5.56 22.40 NIPH 288b 1520 25.2 14.2 3.00 180 0082206 7.796 5.41 22.56 NIPH 142b 52.3 17 5.86 2.17 2.25 1.027106 7.796 5.79 5.22.8 NIPH 100b 1500 17 3.2 1.5 2.25 067206 7.796 5.50 22.24 NIPH 100b 140 17 2.8w 0.89 067206 7.796 5.50 22.46 NIPH 9 400 14 6.10 1.9 0.50 1022106 7.796 5.56 22.24 NIPH 9 400 18 9 1.7 1.9 0.65 0671007 7.796 5.58 22.24 NIPH 400 1.8 9 1.7 1.9 0.56 0671007 7.796 5.79 1.40 400 1.8 9 1.7 1.9 1		27.96	5.30	22.66	NLPH	222b	1,350	37.2	14.4	2.40	1.60	4.50
09/22/06 27.96 5.41 22.55 NLPH 142b 52.3 13.7 5.58 2.17 2.25 12/21/05 27.96 57.96 5.27 NLPH 109b 130 17 13 2.25 09/22/06 27.96 5.39 22.84 NLPH 109b 140 13w 2.8w 0.88w 09/22/06 27.96 5.59 22.96 NLPH 140 13w 2.8w 0.88w 12/21/06 27.96 5.56 22.93 NLPH 490 405 12 1.9 1.7 0.88w 12/21/06 27.96 5.56 22.38 NLPH 490 40 1.9 1.7 1.9 0.55 64/12/07 27.96 5.56 22.34 NLPH 490 40 1.2 1.7 1.9 0.55 64/12/07 27.96 5.42 22.44 NLPH 490 40 1.2 2.77 1.1 0.56 64/1		27.96	5.56	22.40	NLPH	286b	1.520	25.2	14.2	3.00	1.60	4.80
1221/05 27.96 5.22 22.74 NLPH 1090 328 10.2 2.86 10.3 6.530 092206 27.96 5.98 22.68 NLPH 170b 1,500 27 17 2.89 1.95 092206 27.96 5.99 22.68 NLPH 9 650 14.6 6.19 1.56 0.58 0922007 27.96 5.56 22.98 NLPH 90 460 14.6 6.19 1.7 0.68 0922007 27.96 5.56 22.38 NLPH <30		27.96	5.41	22.55	HA IN	142b	523	13.7	5.56	2.17	2.25	3.59
09/22/06 27.98 5.38 22.58 NLPH 170b 1,500 27 17 3.2 1.5 06/27/06 27.98 5.99 22.06 NLPH 190b 1,400 13w 17 28w 0.88w 06/27/06 27.96 5.59 22.06 NLPH 9 1,470 20.5 1.78 1.94 1.98 0.88w 06/27/07 27.96 5.58 22.38 NLPH <90		27.96	5.22	22.74	NLPH	109b	328	10.2	2.86	1.03	0.530	0.610
06/13/06 27.96 5.90 22.06 NLPH 160 1400 13w 2.8w 0.88w 122/06 27.96 5.57 22.39 NLPH 9 650 14.6 6.19 1.58 0.58 122/07/07 27.96 5.56 22.38 NLPH 490 400 18 9 1.7 1.9 61/11/20/7 27.96 5.56 22.38 NLPH 450 340 11 3.7 1.7 1.96 61/11/20/7 27.96 5.57 22.24 NLPH 450 36 40.5 6.5 2.7 1.9 40.5 6.5		27.96	5.38	22.58	NLPH	170b	1,500	27	17	3.2	1.5	5.7
09/22/06 27.96 557 22.39 NLPH 9 650 14.6 61.9 1.56 0.55 122/106 27.96 556 22.46 NLPH 9 1,470 20.5 1.2 0.57 1.9 03/2007 27.96 558 22.38 NLPH 450 340 1.1 37 1.1 4.65 6411/2007 27.96 559 22.43 NLPH 450 38 4.05 6.50 4.05 6.50 12/11/2007 27.96 5.49 22.47 NLPH 430 430 17 1.7 4.05 6.50 12/11/2007 27.96 5.49 22.47 NLPH 430 430 17 1.7 4.05 6.05 </td <td></td> <td>27.96</td> <td>5.90</td> <td>22.06</td> <td>NLPH</td> <td>160b</td> <td>1,400</td> <td>13w</td> <td>13w</td> <td>2.8w</td> <td>0.88w</td> <td>4.2w</td>		27.96	5.90	22.06	NLPH	160b	1,400	13w	13w	2.8w	0.88w	4.2w
1221/106 27.96 550 22.46 NIPH g 1470 20.5 12.8 277 1.91 61/2007 27.96 558 22.38 NIPH <500	09/22/06	27.96	5.57	22.39	NLPH	0	650	14.6	6.19	1.56	0.55	1.6
03/2007 27.96 5.68 22.38 NIPH <900 400 18 9 17 0.66 04/11/2007 27.96 5.58 22.38 NIPH <90	12/21/06	27.96	5.50	22.46	NLPH	מי	1,470	20.5	12.8	2.77	1.91	3.75
6/11/2007 27.96 55.8 22.38 NLPH <50 340 11 37 1.1 <0.50 <0.50 08/3007 27.96 5.71 22.25 NLPH <0.00	03/20/07	27.96	5.58	22.38	NLPH	<300	400	18	6	1.7	99.0	1.9
08/30/07 27.96 5.71 22.25 NLPH <80 60 3.8 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50	6/11/2007	27.96	5.58	22.38	NLPH	<50	340	1	3.7	1.1	<0.50	1.10
12/11/07 27.96 5.42 22.54 NLPH <100 86 6.1 1.9 <0.50 <0.50 03/19/08 27.96 5.49 22.47 NLPH <200 1,200 17 17 2.2 0.81 03/19/08 27.96 5.49 22.47 NLPH <200 1,200 17 17 2.2 0.81 06/24/91 27.96 5.52 22.44 NLPH <200 1,200 17 17 2.2 0.81 06/22/91 2.548 2.52 16.19 NLPH <-1 -1	08/30/02	27.96	5.71	22.25	NLPH	08 >	90	3.8	<0.50	<0.50	<0.50	<0.50
03/19/08 27.96 5.49 22.47 NLPH <300 430 17 17 2.2 0.81 06/24/91	12/11/07	27.96	5.42	22.54	NLPH	<100	82	6.1	1.9	<0.50	<0.50	<0.50
06/12/491	03/19/08	27.96	5.49	22.47	NLPH	<300	430	17	17	2.2	0.81	2.4
06/24/91 —<	06/10/08	27.96	5.52	22.44	NLPH	<200	1,200	1 3	41	2.3	1.0	3.2
06/28/91 25.48 9.29 16.19 NLPH —	_	1	I	I	I	180	<50	1	0.5	<0.5	<0.5	<1.5
10/03/91 25.48 6.19 19.29 NLPH <50 <50 — 1.4 <0.5 <0.5 01/23/92 25.48 4.22 21.26 NLPH 270 <50	-	25.48	9.29	16.19	NLPH	i	ŀ	i	I	ł	I	I
01/23/92 25.48 4.22 21.26 NLPH 270 650 — 60.5 60.5 60.5 04/28/92 25.48 3.55 21.93 NLPH 650 650 — 60.5 60.5 60.5 07/23/92 25.48 4.01 21.47 NLPH 650 650 — 60.5 60.5 60.5 01/28/93 25.48 4.01 21.48 NLPH 650 650 — 60.5 60.5 60.5 04/43/93 25.48 4.50 20.88 NLPH 650 650 — 60.5 60.5 60.5 04/43/93 25.48 4.00 21.48 NLPH 650 60.5	•	25.48	6.19	19.29	NLPH	<50	<50	i	1.4	<0.5	<0.5	<0.5
04/28/92 25.48 3.55 21.93 NLPH <50 <50 — <0.5 <0.5 <0.5 07/23/92 25.48 4.01 21.47 NLPH <50		25.48	4.22	21.26	NLPH	270	<50	ı	<0.5	<0.5	<0.5	<0.5
07/23/92 25.48 4.01 21.47 NLPH 650 650 — 60.5 60.5 60.5 10/22/92 25.48 4.32 21.16 NLPH 650 650 — 60.5 60.5 60.5 04/13/93 25.48 3.67 21.81 NLPH 650 650 — 60.5 60.5 60.5 07/02/93 25.48 3.60 21.88 NLPH 650 650 — 60.5 60.5 60.5 07/02/93 25.48 3.92 21.56 NLPH 650 650 — 60.5 </td <td></td> <td>25.48</td> <td>3.55</td> <td>21.93</td> <td>NLPH</td> <td><50</td> <td><50</td> <td>ŀ</td> <td><0.5</td> <td><0.5</td> <td><0.5</td> <td><0.5</td>		25.48	3.55	21.93	NLPH	<50	<50	ŀ	<0.5	<0.5	<0.5	<0.5
10/22/92 25.48 4.32 21.16 NLPH 65 <50 <0.5 <0.5 <0.5 01/25/93 25.48 3.67 21.81 NLPH <50		25.48	4.01	21.47	NLPH	< 2 0	<50	i	<0.5	<0.5	<0.5	<0.5
01/25/93 25.48 3.67 21.81 NLPH 650 650 — 60.5 60.5 60.5 04/13/93 25.48 3.60 21.88 NLPH 650 650 — 60.5 60.5 60.5 07/02/93 25.48 4.50 20.98 NLPH 650 — 60.5 6	Ì	25.48	4.32	21.16	NLPH	65	~ 20	i	<0.5	<0.5	<0.5	<0.5
04/13/93 25.48 3.60 21.88 NLPH <50 <50 <0.5 <0.5 <0.5 07/02/93 25.48 4.50 20.98 NLPH <50		25.48	3.67	21.81	NLPH	<50	<50	!	<0.5	<0.5	<0.5	9.0
07/02/93 25.48 4.50 20.98 NLPH <50 <50 <0.5 <0.5 <0.5 10/12/93 25.48 3.92 21.56 NLPH 110 <50		25.48	3.60	21.88	NLPH	<50	~ 20	i	<0.5	<0.5	<0.5	<0.5
10/12/93 25.48 3.92 21.56 NLPH 110 <50 <0.5 <0.5 <0.5 01/13/94 25.48 4.00 21.48 NLPH 80 <50		25.48	4.50	20.98	NLPH	<50	<50	l	<0.5	<0.5	<0.5	<0.5
01/13/94 25.48 4.00 21.48 NLPH 80 <50 <0.5 <0.5 <0.5 04/04/94 25.48 3.58 21.90 NLPH <50		25.48	3.92	21.56	NLPH	110	<50	1	<0.5	<0.5	<0.5	<0.5
04/04/94 25.48 3.58 21.90 NLPH <50 <50 <0.5 <0.5 <0.5 07/14/94 25.48 3.53 21.95 NLPH 70 <50		25.48	4.00	21.48	NLPH	80	<50	ł	<0.5	<0.5	<0.5	<0.5
07/4/94 25.48 3.53 21.95 NLPH 70 <50 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5		25.48	3.58	21.90	NLPH	<20	<50	ł	<0.5	<0.5	<0.5	<0.5
10/12/94 25.48 3.37 22.11 NLPH <50 <50 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5		25.48	3.53	21.95	NLPH	20	<50	1	<0.5	<0.5	<0.5	<0.5
01/09/95 25.48 3.05 22.43 NLPH <50 <50 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5		25.48	3.37	22.11	NLPH	<20	<50	1	<0.5	<0.5	<0.5	<0.5
04/12/95 25.48 3.66 21.82 NLPH 130b <50 <0.5 <0.5 <0.5		25.48	3.05	22.43	NLPH	<50	<50	1	<0.5	<0.5	<0.5	<0.5
CATANICA SELECTION TO COMPANY OF	_	25.48	3.66	21.82	I Z	130h	<50	I	\ \ \ \ \ \ \ \ \ \	<0>20	<0.5	<0.5
		04.70	55.6	20.12		200 403 403	8 6	,	9 6	, ć	, c	, ć

TABLE 2
CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California
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Well	Sampling	T0C	WLQ	GW Elev.	SUBJ	ТРН	TPHg	MTBE	В	<u></u>	ш	×
ا ۵	Date	(feet)	(teet)	(leet)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(hg/L)	(µg/L)
EA10	10/13/95	25.48	4.25	21.23	N F	~ 20	~	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	01/17/96	25.48	4.24	21.24	NLPH	91	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	04/04/96	25.48	3.73	21.75	NLPH	99	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	07/15/96	25.48	3.77	21.71	NLPH	140d	<20	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	10/21/96	25.48	4.22	21.26	NLPH	62d	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	01/07/97	25.48	3.81	21.67	NLPH	< 5 0	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	04/28/97	25.48	4.10	21.38	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	07/22/97	25.48	4.18	21.30	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	10/14/97	25.48	4.68	20.80	NLPH	< 2 0	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	01/13/98	25.48	4.38	21.10	NLPH	<50	< 2 0	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	04/14/98	25.48	3.54	21.94	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	07/14/98	25.48	3.53	21.95	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	10/13/98	25.48	4.65	20.83	NLPH	54d	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	01/19/99	25.48	4.76	20.72	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	06/24/99	25.48	3.55	21.93	NLPH	50.5	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	09/21/99	25.48	4.21	21.27	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA10	12/30/99	25.48	4.83	20.65	NLPH	<56	<50	8	<0.5	<0.5	<0.5	<0.5
EA10	03/22/00	25.48	3.51	21.97	N.P.H	1	<50	\$	<0.5	<0.5	<0.5	<0.5
EA10	April-2000	25.48	Property transferred fi	õ	豆	o Valero.						
EA10	06/15/00	25.48	3.61	7		99	<50	7	<0.5	<0.5	<0.5	<0.5
EA10	09/27/00	25.48	4.52	20.96	NLPH	<51	<50	8	<0.5	<0.5	<0.5	<0.5
EA10	12/28/00	25.48	4.67	20.81	NLPH	1301	<50	8	<0.5	<0.5	0.67	-
EA10	03/27/01	25.48	3.88	21.60	NLPH	m'j	<50	\$	1.1	<0.5	<0.5	<0.5
EA10	May-2001	25.48	Property transferred f	Insferred from \	/alero to Pet	roleum Sales I						
EA10	06/26/01	25.48	4.47	21.01	NLPH	11 NLPH <50	<50	7	<0.5	<0.5	<0.5	<0.5
EA10	09/25/01	25.48	4.02	21.46	NLPH	<50	<50	?	0.95	<0.5	<0.5	4.5
EA10	Nov-2001	28.11	Well survey	Well surveyed in compliance with AB 2886 requirements.	ce with AB 2	886 requireme						
EA10	12/28/01	28.11	5.34	22.77	NLPH	×100	×100	<1.00	<1.00	<1.00	<1.00	<1.00
EA10	03/28/02	28.11	3.38	24.73	NLPH	<50.0	<50.0	0.8	0.70	<0.50	<0.50	<0.50
EA10	06/26/02	28.11	3.61	24.50	NLPH	<50	<50	06.0	1.40	<0.50	<0.50	2.00
EA10	09/30/05	28.11	4.15	23.96	NLPH		l	ł	ŀ	ŀ	ł	-
EA10	10/14/02	28.11	5.72	22.39	N.P.	~20	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
EA10	12/27/02	28.11	4.18	23.93	NLPH	2 0	<50.0	<0.50	<0.50	<0.50	<0.50	0.70
EA10	03/20/03	28.11	4.32	23.79	NLPH	~ 51	<50.0	0.80	09:0	<0.50	<0.50	<0.50
EA10	05/23/03	28.11	4.34	23.77	NLPH	~20	<50.0	0.80	5.50	0.70	0.70	5.70
EA10	08/01/03	28.11	3.80	24.31	NLPH	<50	<50.0	1.20	2.80	<0.50	<0.50	<0.50
EA10	10/17/03	28.11	5.18	22.93	NLPH	~ 20	<50.0	1.00	<0.50	<0.50	<0.50	<0.50
EA10	01/23/04	28.11	4.35	23.76	NLPH	<20	<50.0	1.20	<0.50	<0.50	<0.50	<0.50
EA10	05/27/04 j	28.11	1	!	1		ł	ł	ł		.	1
EA10	08/27/04	28.11	4.03	24.08	NEPH	ď	۵	۵	۵	۵	۵	a
EA10	12/01/04	28.11	3.22	24.89	NLPH	< 2 0	<50.0	0.80	<0.50	<0.50	0.80	2.20
EA10	03/03/05	28.11	2.68	25.43	NLPH	966	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
EA10	06/23/05	28.11	3.55	24.56	NLPH	108b	<100	<0.50	<0.50	<0.50	<0.50	<0.50
EA10	09/22/05	28.11	4.31	23.80	NLPH	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500
EA10	12/21/05	28.11	2.01	26.10	NLPH	<55.6	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500
EA10	03/22/06	28.11	3.27	24.84	NLPH	<47	<20	<0.50	<0.50	<0.50	<0.50	0.70

CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California
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1	ı																																													
× (<0.50w	<0.500	<0.500	<0.50	<0.50	-;	1	ļ	<0.50	7	<u>.</u>	1.	2.6	1.5	1.0	<0.5	1.7	1.8	2.2	1:1	1.1	0.8	<0.5	0.5	<0.5	1.0	1.1	2.8	1.6	0.52	1.2	2.4	1.9	09:0	0.59	0.84	3.3	0.86	<0.5	<0.5	<0.5	0.83	<0.5	0.690	-	1
E (110/l)	(PS)E)	<0.50%	<0.500	<0.50	<0.50	ł	• •	ı	<0.50	u Ç	c.0.5	l	<0.5	3.0	2.4	9.0	0.7	9.0	3.4	0.8	<0.5	<0.5	<0.5	9.0	<0.5	<0.5	3.7	1.6	1.0	<0.5	<0.5	0.65	1.1	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	0.58	<0.5	0.92	<0.5	<0.5	0.63	1
T (/bii)	<0.50w	<0.500	<0.500	<0.50	<0.50	ļ	1	ı	<0.50	,	c.0>	1	1.2	2.1	6.0	1.3	1.1	<0.5	0.5	1.2	9.0	2.1	<0.5	<0.5	2.0	<0.5	<0.50	<1.0	3.5	<0.5	<0.5	0.91	0.89	<0.5	<0.5	<0.5	<2.0	0.53	<0.5	<0.5	0.54	1.2	<0.5	<0.5	<0.5	1
B (ug/l)	<0.50w	<0.500	<0.500	<0.50	<0.50	1	ŀ	I	<0.50	Ċ	6.7	l	37	8.6	6.1	39	62	<0.5	2.7	3.7	4.2	1.3	1.5	<0.5	3.8	1.1	7.5	2.9	7	3.4	6.3	5.4	2.2	1.5	0.73	0.61	6.8	1.7	<0.5	<0.5	1.1	2.4	<0.5	0.760	1.5	
MTBE (µa/L)	0.55w	0.590	<0.500	<0.50	<0.50	-	ļ	ŀ	1.1		ł	!	i	ŀ	;	ļ	l	ŀ	ł	ŀ	ł	ŀ	1	ŀ	ł	;	ł	140	130	61	7.1	84	88	63	28	99	87	82	63	69	91	65	67.2	55.6	100	1
TPHg (ua/L)	(F3°E) <50	<50.0	<50.0	<50	<50	ŀ	ļ	I	<50	760	2	1	510	260	490	760	930	300	310	380	370	360	230	400	580	340	540	800	930	260	610	220	520i	170	200	230	1,100i	340	130	300i	200	490	92.3	247i	210	1
TPHd (na/L)	<47	67b	54b	<50	<50			ŀ	<50	6	210	1 :	410	110	300	430	280	130	220	360	530	820	350	380	230	740b	780b	800b	220	650	910	9068	920d	P066	260d	P069	p086	930d	370d	490d	520d	490	Φ	454d	420	1
SUBJ	Hd IN	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH		1		N PH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NEPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	ı
GW Elev. (feet)	25.25	24.57	24.09	23.61	24.79	23.70	24.17	24.74	24.37		۱ ;	17.06	16.54	16.58	17.62	16.69	15.82	17.78	17.15	17.56	16.15	17.04	17.75	17.28	16.53	17.28	18.27	17.65	16.82	17.68	18.62	17.84	16.05	18.45	18.38	18.07	18.10	18.93	19.53	18.99	18.17	17.16	18.68	18.10	17.53	ı
DTW (feet)	2.86	3.54	4.02	4.50	3.32	4.41	3.94	3.37	3.74		1	40.7	7.56	7.52	6.48	7.41	8.28	6.32	6.95	6.54	7.95	90'.	6.35	6.82	7.57	6.82	5.83	6.45	7.28	6.42	5.48	6.26	8.05	5.65	5.72	6.03	00.9	5.17	4.57	5.11	5.93	6.94	5.42	00.9	6.57	1
TOC (feet)	28.11	28.11	28.11	28.11	28.11	28.11	28.11	28.11	28.11			24.10	24.10	24.10	24.10	24.10	24.10	24 10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10
Sampling Date	06/13/06	09/22/06	12/21/06	03/20/07	6/11/2007	20/08/80	12/11/07	03/19/08	06/10/08	06/24/04	16/42/00	16/28/91	10/03/91	01/23/92	04/28/92	07/23/92	10/22/92	01/25/93	04/13/93	07/02/93	10/12/93	01/13/94	04/04/94	07/14/94	10/12/94	01/09/95	04/12/95	07/10/95	10/13/95	01/17/96	04/04/96	07/15/96	10/21/96	01/07/97	04/28/97	07/22/97	10/14/97	01/13/98	04/14/98	07/14/98	10/13/98	. 01/19/99	06/22/99	09/21/99	12/30/99	03/22/00 j
Mell D	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	ΕΔ11		EAT	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	E411	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11

TABLE 2
CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California
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Well	Sampling	T0C	WTO	GW Elev.	SUBJ	TPHd	TPHg	MTBE	В	-	Ш	×
	Date	(feet)	(teet)	(feet)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(hg/L)	(hg/L)	(hg/L)
EA11	April-2000	24.10	Property transferred f	Insferred from t	rom Exxon Mobil to Valero.	o Valero.						
EA11	06/15/00	24.10	5.98	18.12	NLPH	250	<50	83	<0.5	<0.5	<0.5	<0.5
EA11	09/27/00	24.10	6.20	17.90	NLPH	270	6/	81	<0.5	<0.5	<0.5	0.51
EA11	12/28/00	24.10	5.68	18.42	NLPH	420 !	73	65	0.63	<0.5	0.61	0.78
EA11	03/27/01	24.10	4.88	19.22	NLPH	3001	< 5 0	99	<0.5	<0.5	<0.5	<0.5
EA11	May-2001	24.10	Property tra	Property transferred from Valero to Petroleum Sales Inc	/alero to Petr	oleum Sales In						
EA11	06/26/01	24.10	6.08	18.02	NLPH	52	<50	20	<0.5	<0.5	<0.5	<0.5
EA11	09/25/01	24.10	6.49	17.61	NLPH	450	180	29	0.53	<0.5	<0.5	3.15
. EA11	Nov-2001	26.67	Well survey	Well surveyed in compliance	ce with AB 28	with AB 2886 requirements						
EA11	12/28/01	26.67	5.60	21.07	NLPH	377	174	68.6	<1.00	<1.00	<1.00	<1.00
EA11	03/28/02	26.67	5.46	21.21	NLPH	101	<50.0	74.9	<0.50	<0.50	<0.50	0.70
EA11	06/26/02	26.67	6.01	20.66	NLPH	71	92	20.6	<0.50	<0.50	<0.50	1.90
EA11	09/30/05	26.67	6.51	20.16	NLPH	l	1	ł	I	ı	1	ł
EA11	10/14/02	26.67	6.52	20.15	NLPH	239	130	62.0	<0.50	<0.50	<0.50	<0.50
EA11	12/27/02	26.67	5.75	20.92	NLPH	186	178	71.8	<0.50	<0.50	<0.50	<0.50
EA11	03/20/03	26.67	5.52	21.15	NLPH	108	73.8	46.7	09.0	<0.50	09:0	06:0
EA11	05/23/03	26.67	5.61	21.06	NLPH	298	81.5	43.4	4.30	09:0	09:0	5.80
EA11	08/01/03	26.67	6.11	20.56	NLPH	64	85.6	38.8	1.60	<0.50	<0.50	<0.50
EA11	10/17/03	26.67	6.34	20.33	NLPH	326	136	49.7	<0.50	<0.50	<0.50	<0.50
EA11	01/23/04	26.67	5.29	21.38	NLPH	250	63.8	20.0	<0.50	<0.50	<0.50	<0.50
EA11	05/27/04	26.67	5.77	20.90	NI.PH	390	188	43.9	09:0	<0.50	<0.50	<0.50
EA11	08/27/04	26.67	5.72	20.95	NLPH	335	82.0	24.9	<0.50	<0.50	<0.50	<0.50
EA11	12/01/04	26.67	6.11	20.56	NLPH	274b	115	35.4	<0.50	1.00	1.20	3.50
EA11	03/03/05	26.67	5.42	21.25	NLPH	806b	80.3	31.9	<0.50	<0.50	<0.50	<0.50
EA11	06/23/05	26.67	5.91	20.76	NLPH	1,200b	<100	32.2	<0.50	<0.50	<0.50	0.70
EA11	09/22/05	26.67	6.37	20.30	NLPH	365b	71.2	33.4	<0.500	<0.500	<0.500	<0.500
EA11	12/21/05	26.67	5.82	20.85	N P I	1,450b	134	25.2	<0.500	0.730	<0.500	<0.500
EA11	03/22/06	26.67	5.18	21.49	NLPH	93b	130	32	<0.50	<0.50	<0.50	0.57
EA11	06/13/06	26.67	5.70	20.97	NLPH	62b	110	33w	<0.50w	<0.50w	<0.50w	<0.50w
EA11	09/22/06	26.67	6.53	20.14	NLPH	81b	113	37.4	<0.500	<0.500	<0.500	<0.500
EA11	12/21/06	26.67	6.10	20.57	NLPH	120b	112	30.4	<0.500	<0.500	<0.500	<0.500
EA11	03/20/07	26.67	5.50	21.17	N PH	260	<50	26	<0.50	<0.50	<0.50	<0.50
EA11	6/11/2007	26.67	6.04	20.63	N P H	~20	110	32	<0.50	<0.50	<0.50	<0.50
EA11	20/06/80	26.67	6.68	19.99	NLPH	220	~20	15	<0.50	<0.50	<0.50	<0.50
EA11	12/11/07	26.67	6.38	20.29	N PH	180y	~ 20	23	<0.50	<0.50	<0.50	<0.50
EA11	03/19/08	26.67	4.43	22.24	NEPH	94	~20	2.6	<0.50	<0.50	<0.50	<0.50
EA11	06/10/08	26.67	5.56	21.11	NLPH	140	~ 20	15	<0.50	<0.50	<0.50	<0.50
EA12	06/24/91 g	I	I	i	1	ł	ł	I	ŀ	I	i	ı
EA12	06/28/91 g	23.93	I	ł	1	ł	!	ŀ	i	1	ì	!
EA12	10/03/91	23.93	9.00	14.93	NEPH	2 0	<50	I	<0.5	<0.5	<0.5	<0.5
EA12	01/23/92	23.93	6.97	16.96	NLPH	~ 20	<50	ŀ	<0.5	<0.5	<0.5	<0.5
EA12	04/28/92	23.93	6.41	17.52	NLPH	<50	<50	l	<0.5	<0.5	<0.5	<0.5
EA12	07/23/92	23.93	6.83	17.10	NLPH	<50	<50	ŀ	<0.5	<0.5	<0.5	<0.5
EA12	10/22/92	23.93	7.33	16.60	NLPH	<50	<50	4	<0.5	<0.5	<0.5	<0.5
EA12	01/25/93	23.93	9.46	14.47	NLPH	<20	<50	1	<0.5	<0.5	<0.5	<0.5

TABLE 2
CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California
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Sampling	3 €	\$ ((foot)	SOBJ	BH4		MIBE (1/211)	(المناس	- (211)	Д (₂	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	23 93	9 54	14 39	Id N	(49/L)	(199/L)	(P9/L)	(PQ/L)	(P9/L)	(100 V	(19L)
07/02/93	23.93	9.00	7.73) (4)	S 5		, c), o) (0.5	0.0
10/12/93	23.93	6.55	17.38	N N	3	3	I	}	}	}	<u>}</u>
01/13/94	23.93	5.68	18.25	NLPH	<50	<50	1	<0.5	<0.5	<0.5	<0.5
04/04/94	23.93	7.45	16.48	NLPH	1	i	I	ļ	l	1	I
07/14/94	23.93	2.08	21.85	NLPH	1	ŀ	I	1	ŀ	i	1
10/12/94	23.93	1.08	22.85	NLPH	<50	<50	i	<0.5	<0.5	<0.5	<0.5
01/09/95	23.93	7.82	16.11	NLPH	<50	<50	i	<0.5	<0.5	<0.5	<0.5
04/12/95	23.93	8.05	15.88	NLPH	<50	<50	I	<0.5	<0.5	<0.5	<0.5
07/10/95	23.93	6.80	17.13	NLPH	<50	<50	<2.5	<0.5	1.0	<0.5	0.84
10/13/95	23.93	5.75	18.18	NLPH	<50	<50	4.0	<0.5	<0.5	<0.5	<0.5
01/17/96	23.93	8.65	15.28	NLPH	29	<50	<2.5	<0.5	<0.5	<0.5	<0.5
04/04/96	23.93	9.32	14.61	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
07/15/96	23.93	6.67	17.26	NLPH	93 k	<50	<2.5	<0.5	<0.5	<0.5	<0.5
10/21/96	23.93	6.23	17.70	NLPH	54 k	<50	<2.5	<0.5	<0.5	<0.5	<0.5
01/07/97	23.93	8.75	15.18	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
04/28/97	23.93	8.27	15.66	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
07/22/97	23.93	06.9	17.03	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
10/14/97	23.93	7.39	16.54	NLPH	<50	<20	<2.5	<0.5	<0.5	<0.5	<0.5
01/13/98	23.93	8.49	15.44	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
04/14/98	23.93	8.36	15.57	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
07/14/98	23.93	6.92	17.01	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
10/13/98	23.93	6.33	17.60	NLPH	< 2 0	<50	<2.5	<0.5	<0.5	<0.5	<0.5
01/19/99	23.93	8.76	15.17	NLPH	~20	~20	<2.5	<0.5	<0.5	<0.5	<0.5
06/24/99	23.93	5.65	18.28	NLPH	~ 20	< 2 0	<2.5	<0.5	<0.5	<0.5	<0.5
09/21/99	23.93	5.33	18.60	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
12/30/99	23.93	8.32	15.61	NLPH	<50	~ 20	7	<0.5	<0.5	<0.5	<0.5
03/22/00	23.93	8.45	15.48	NLPH	<56	<50	8	<0.5	<0.5	<0.5	<0.5
April-2000	23.93	Property transferred fr	Isferred from E	om Exxon Mobil to Valero	v Valero.						
06/15/00	23.93	7.14	16.79	NLPH	<50	<50	7	<0.5	<0.5	<0.5	<0.5
09/27/00	23.93	6.75	17.18	NLPH	<51	<50	8	<0.5	<0.5	<0.5	<0.5
12/28/00	23.93	9.43	14.50	NLPH	1101	80	4.8	3.5	2.8	4.3	6.6
03/27/01	23.93	10.23	13.70	NLPH	<62	<50	7	က	<0.5	<0.5	<0.5
May-2001	23.93	Property transferred f		om Valero to Petroleum Sales Inc	oleum Sales I	nc.					
06/26/01	23.93	8.36	15.57	N.PH	<50	<50	8	<0.5	<0.5	<0.5	<0.5
09/25/01	23.93	7.90	16.03	NLPH	<50	<50	7	<0.5	<0.5	<0.5	3.9
Nov-2001	26.56	Well survey	Well surveyed in compliance with AB 2886 requirements.	ce with AB 28	86 requireme	ints.					
12/28/01	26.56	9.84	16.72	NLPH	<100	<100	1.30	<1.00	<1.00	× 1.00	<1.00
03/28/02	26.56	10.51	16.05	NLPH	<50.0	<50.0	<0.5	<0.50	<0.50	<0.50	<0.50
06/26/02	26.56	8.96	17.60	NLPH	<50	<50	0.80	5.40	09:0	0.70	2.60
09/30/02	26.56	7.75	18.81	NLPH	1	i	ı	ļ	i		!
10/14/02	26.56	13.21	13.35	NLPH	<50	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50
12/27/02	26.56	10.75	15.81	NLPH	<50	<50.0	<0.50	<0.50	0.70	0.80	2.50
03/20/03	26.56	11.02	15.54	NLPH	SN	<50.0	<0.50	1.10	<0.50	1.00	1.70
05/00/00	5	0.0	000	:		0					
-	מכים	50.0	16.03	I Z	_	0.000	×0.50	200	0.80	0.70	4.00

TABLE 2
CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
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>	(na/L)	<0.50	<0.50	<0.50	1.20	6.10	<0.50	1.20	0.980	<0.500	7:	<0.50w	<0.500	<0.500	<0.50	<0.50	ŀ	ł	ŀ	<0.50	I			ł	1	ŀ	1	ŀ	<0.5	<0.5	ì	1	i	ı	1	1	<0.5	<0.5	<0.5		ŀ	<0.5	i	ŀ	<0.5	<0.5	1
L	(na/L)	<0.50	<0.50	<0.50	<0.50	2.20	<0.50	0.70	0.670	<0.500	0.58	<0.50w	<0.500	<0.500	<0.50	<0.50	ł	l	I	<0.50	!		ŀ	١.	ŀ	1	ŀ	ļ	<0.5	<0.5	I	I	I	ł	1	ł	<0.5	<0.5	<0.5	ł	-	<0.5	• •	. 1	<0.5	<0.5	I
ŀ	(na/l.)	<0.50	<0.50	<0.50	<0.50	1.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50w	<0.500	<0.500	<0.50	<0.50	i	1	i	<0.50	I		ł		ŀ	ŀ	ŀ	ļ	<0.5	<0.5	1	1	i	1	I	I	<0.5	<0.5	<0.5		!	<0.5	ì	i	<0.5	<0.5	l
-	(na/[)	0.70	<0.50	<0.50	<0.50	0.70	<0.50	08.0	<0.500	<0.500	0.70	0.83w	<0.500	<0.500	<0.50	<0.50	ł	ŀ	1	<0.50	i		ł	ŀ	1	1	1	!	<0.5	<0.5	ı	1	ŀ	i	1	i	<0.5	<0.5	<0.5	1	.	<0.5	ŀ	ł	<0.5	<0.5	l
HOFM	(ua/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50w	<0.500	<0.500	<0.50	<0.50	1	ŀ	1	<0.50			1	i	I	1	ı	ł	1	I	1	ļ	;	l	1	1	ŀ	ı	<2.5	Į	ļ	<2.5	1	ļ	<2.5	<2.5	l
Z T C F	(na/L)	<50.0	<50.0	<50.0	<20.0	<50.0	<50.0	<100	<50.0	<50.0	<50	<50	<50.0	<50.0	<50	<50	1	1	ł	<50	l		1	ł	1	1	1	ļ	~20	<50	1	1	i	l	1	1	~20	<50	<50	ŀ	ł	<50	I	1	~20	~20	ļ
FIGH	(na/L)	\$2 \$20	81	<50	50	<59	c	74b	<50.0	<55.6	<56	<47	<47	<47	<50	<50	ŀ		I	<50	I		•	ŀ	1	1	l	ł	<50	<20	I		I	1	1	i	180b	78b	<50	1	!	<50	!	1	76 k	<50	l
1010	2000	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	l		!	!	1		1	ŀ	N.PH	NLPH	NLPH		1	NLPH	NLPH	i	NLPH	NLPH	NLPH	NLPH	i	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH
	(feet)	17.53	16.18	16.91	21.94	17.07	15.09	16.78	17.86	17.00	16.48	17.17	19.04	16.64	15.56	17.71	18.68	20.17	20.89	23.31	I		!	ł	!	1	1	ł	13.79	14.50	7.79	l	I	18.58	10.59	ł	11.54	20.11	14.05	7.85	ì	19.84	9.67	8.07	15.62	12.02	8.09
WITO	(feet)	9.03	10.38	9.65	4.62	9.49	11.47	9.78	8.70	9.26	10.08	9.39	7.52	9.92	11.00	8.85	7.88	6.39	2.67	3.25	ł		ł	ļ	1	1	i	ļ	9.10	8.39	15.10	1	I	4.31	12.30	1	11.35	2.78	8.84	15.04	;	3.05	13.22	14.82	7.27	10.87	14.80
JOH	(feet)	26.56	26.56	26.56	26.56	26.56	26.56	26.56	26.56	26.56	26.56	26.56	26.56	26.56	26.56	26.56	26.56	26.56	26.56	26.56	ł	c	60.22	52.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89	22.89
Compling	Date	10/17/03	01/23/04	05/27/04	08/27/04	12/01/04	03/03/05	06/23/05	09/22/05	12/21/05	03/22/06	06/13/06	09/22/06	12/21/06	03/20/07	6/11/2007	08/30/02	12/11/07	03/19/08	06/10/08	06/24/91 a	06/20/04	40/05/04	10/03/91 g	01/23/92 g	04/28/92 g	07/23/92 g	10/22/92 g	01/25/93	04/13/93	07/02/93	10/12/93 g	01/13/94 g	04/04/94	07/14/94	10/12/94 g	01/09/95	04/12/95	07/10/95	10/13/95	01/17/96 g	04/04/96	07/15/96	10/21/96	01/07/97	04/28/97	07/22/97
llo/W	_ □	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	FA13	1 (2 4 5	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13

CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
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	١																																																
×	(hg/L)	1	<0.5	<0.5	<0.5	<0.5		2	c.0-	ත	0	Æ		İ		ļ (<0.5		ı	l		×1.00	<0.50	ح	1	0	1.10	0.80	<0.50	1	ŀ	<0.50	Ö	. [i	<0.50	0.60	1	D	0.52	<0.50w	1	i	<0.50	0	۱ ۱	1	ŀ	, O EO
ш	(hg/L)	1.	<0.5	<0.5	<0.5	<0,5	۱ ا	4	c:0/	ත	50	.δ.		į		ļ (<0.5		1	I		<1.00	<0.50	ō	١,	0	<0.50	<0.50	<0.50	1	ŀ	<0.50	D	١.	1	<0.50	<0.50	I	ත	<0.50	<0.50w	ł	ŀ	<0.50	ō	۱ ۱	l	ı	
+ (1)	(hg/L)	I	<0.5	<0.5	<0.5	<0.5	: 1	, ,	c.0>	50	5	٨					<0.0>		!	ŀ		<1.00	<0.50	o	1	ō	<0.50	<0.50	<0.50	I	i	<0.50	0	.	i	<0.50	<0.50	1	6	<0.50	<0.50w	1	I	<0.50	0	١ ١	1	ŀ	200
8	(hg/L)	1	<0.5	<0.5	<0.5	<0.5		, ,	6.0	D	D	Ą		į		<	<0.5		ļ	1		<1.00	<0.50	Ö	٠ ۱	0	<0.50	09.0	1.80	l	ŀ	<0.50	ס	١.	1	<0.50	<0.50	1	Ō	<0.50	0.91w	ļ	ł	<0.50	0	۱ ۱	l	ı	, C
MTBE	(hg/L)	i	<2.5	<2.5	<2.5	<2.5	1	, (C.2	5	Ō	\$		1		۱ ۲	7		1	;		<1.00	<0.5	ō	- 1	ō	<0.50	<0.50	<0.50	ı	I	<0.50	5	-	ŀ	<0.50	<0.50	ŀ	Ō	<0.50	<0.50w	į	i	<0.50	ō	۱ ۱	1	ı	
TPHg	(hg/L)	l	\$ \$	2 0	<50	<50	1	750	6	5	5	<50		ļ		, E		<u>ا</u>		l	ints.	<100	<50.0	0	1	Ō	<50.0	<50.0	<50.0	I	I	<50.0	D		1	<50.0	<100	1	0	<50	<50	I	l	<50	σ	• [I	ļ	Ç.
TPHd ()	(hg/L)	ŀ	220d	74d	1 9d	160d	!	78.2	7.07	0	б	<52	to Valero.		ļ	1.		leum Sales I	1	ŀ	36 requireme	<100	70.0	0	. 1	ō	138	<50	<50	1	i	533	D	1	1	116b	306b	i	5	49b	<48	I	ł	<50	σ	1	ŀ	ļ	8
SUBJ		N L	NLPH	NLPH	NLPH	NLPH	ŀ	i i		I J	NLPH	NLPH	_		: i			alero to Petro	l	ļ	e with AB 288	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	1	i	NLPH	NLPH	I	1	NLPH	NLPH	•	NLPH	NLPH	NLPH	!	ŀ	NLPH	NLPH	NLPH	NLPH	ΞŪ	
GW Elev.	(leer)	8.02	15.83	20.18	11.75	8.50	1	15.75	5.73	8.44	8.08	20.19	Property transferred from Exxon Mobi	8 18	? ;	10.60	18.08	Property transferred from Valero to Petroleum Sales Inc	ł	ł	d in compliand	17.75	3.31 22.18 NLPH 7	11.07	10.68	10.63	19.74	23.12	20.83	ŀ	i	21.41	11.19	ł	ļ	21.37	20.05	ı	10.60	21.44	19.99	l	10.96	22.00	20.02	16.04	13.20	22.55	20.00
MTO \$00%	(1991)	14.8/	7.06	2.71	11.14	14.39	-	7 14	+ · · ·	4.45	14.81	2.70	Property tran	14 71	-	5	4.21	Property tran		1	Well surveye	7.74	3.31	14.42	14.81	14.86	5.75	2.37	4.66	i	ł	4.08	14.30	1	ļ	4.12	5.44	ļ	14.89	4.05	5.50	ŀ	14.53	3.49	5.47	9.45	12.29	2 94	1
သ (၃)	(lear)	22.89	22.89	22.89	22.89	22.89	22.89	22 80	22.03	22.89	22.89	22.89	22.89	22 89	22.80	00.22	22.09	22.89	22.89	22.89		25.49		25.49	25.49			25.49	25.49	25.49	25.49	25.49	25.49	25.49	25.49	25.49	25.49	25.49	25.49	25.49	25.49	25.49	25.49	25.49	25.49	25.49	25.49	25 49	2.00
Sampling	Jaic 40/4 1/07	10/14/9/	01/13/98	04/14/98	07/14/98	10/13/98	01/19/99 g	06/24/00	00/10/00	68/17/60	12/30/99	03/22/00	April-2000	06/15/00	00/22/00	03/27/04	03/27/01	May-2001	06/26/01 g	09/25/01 g	Nov-2001	12/28/01	03/28/02	06/26/02	09/30/02	10/14/02	12/27/02	03/20/03	05/23/03	08/01/03 g	10/17/03 g	01/23/04	05/27/04	08/27/04 g	12/01/04 g	03/03/05	06/23/05	09/22/05 g	12/21/05	03/22/06	06/13/06	09/22/06 g	12/21/06 g	03/20/07	6/11/2007	08/30/02	12/11/07	03/19/08	00/01/00
N C	5 5 5	EAIS	EA13	EA13	EA13	EA13	EA13	FA13	243	2 :	EA13	EA13	EA13	EA13	EA13	EA13	2 2 2	EATS	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13) L

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CUMULATIVE GROUNDWATER SAMPLING DATA
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110/01	Compline	004	TA THE		1							
	Date) (feet	MIO (tob)	GW EIEV.	SOB	DHA!	I PHg	MIBE	m Š	⊢ ,	ш (×
j	Caso	(leet)	(1001)	(1991)		(hg/L)	(hg/L)	(µg/L)	(hg/L)	(hg/L)	(hg/L)	(hg/L)
EA14	06/24/91	!	1	l	l	290	<50	i	\$ U>	, ,	7	7
EA14	06/28/91	22.90	I	I	I	}	3	ļ	; l	; ;	? ?	<u>.</u>
EA14	10/03/91	22.90	5.56	17.34	NLPH	<50	<50	I	<0.5	<0.5	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<0>
EA14	01/23/92	22.90	2.77	20.13	NLPH	<50	<50	ł	0.5 50.5	\$ 0 50 50	0.5	5 C
EA14	04/28/92	22.90	2.56	20.34	NLPH	<50	<50	i	<0.5	<0.5	<0.5	<0.5
EA14	07/23/92	22.90	3.90	19.00	NLPH	<50	<50	I	<0.5	<0.5	<0.5	<0.5
EA14	10/22/92	22.90	5.75	17.15	NLPH	<50	<50	1	<0.5	<0.5	<0.5	<0.5
EA14	01/25/93	22.90	1.39	21.51	NLPH	<50	<50	I	<0.5	<0.5	<0.5	<0.5
EA14	04/13/93	22.90	2.00	20.90	NLPH	<50	<50	i	<0.5	<0.5	<0.5	<0.5
EA14	07/02/93	22.90	3.12	19.78	NLPH	<50	<50	ı	<0.5	<0.5	<0.5	<0.5
EA14	10/12/93	22.90	6.24	16.66	NLPH	i	ŀ	I	ı	-{	١.	
EA14	01/13/94	22.90	2.45	20.45	NLPH	80	<50	ı	<0.5	<0.5	<0.5	<0.5
EA14	04/04/94	22.90	2.66	20.24	NLPH	1	ł	ı	ŀ	ł	!	1
EA14	07/14/94	22.90	3.14	19.76	NLPH	1	ł	i	ŀ	. 1	1	1
EA14	10/12/94	22.90	3.00	19.90	NLPH	<50	<50	1	<0.5	<0.5	<0.5	<0.5
EA14	01/09/95	22.90	6.01	16.89	NLPH	<50	<50	1	<0.5	<0.5	<0.5	<0.5
EA14	04/12/95	22.90	2.26	20.64	NLPH	<50	<50	!	<0.5	<0.5	<0.5	<0.5
EA14	07/10/95	22.90	3.24	19.66	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	10/13/95	22.90	4.44	18.46	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	01/17/96	22.90	1.73	21.17	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	04/04/96	22.90	1.53	21.37	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	07/15/96	22.90	3.00	19.90	NLPH	85d	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	10/21/96	22.90	3.54	19.36	NLPH	28d	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	01/07/97	22.90	1.41	21.49	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	04/28/97	22.90	2.98	19.92	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	07/22/97	22.90	3.69	19.21	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	10/14/97	22.90	2.02	20.88	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	01/13/98	22.90	06.0	22.00	NLPH	<50	~ 20	0.9	<0.5	<0.5	<0.5	<0.5
EA14	04/14/98	22.90	1.67	21.23	NLPH	<50	<20	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	07/14/98	22.90	1.98	20.92	NLPH	<50	<20	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	10/13/98	22.90	2.81	20.09	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	01/19/99	22.90	1.05	21.85	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	06/24/99	22.90	2.00	20.90	NLPH	57.1	<50	4.73	2.46	<0.5	<0.5	0.798
EA14	09/21/99	22.90	1.69	21.21	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
EA14	12/30/99	22.90	1.63	21.27	NLPH	<52	<50	8	<0.5	<0.5	<0.5	<0.5
EA14	03/22/00	22.90	2.19	20.71	N.P.I	<55	<50	5.5	<0.5	<0.5	<0.5	<0.5
EA14	April-2000	22.90	Property trag	Property transferred from Exxon Mobil to Valero.	exon Mobil to	Valero.						
EA14	06/15/00	22.90	1.89	21.01	NLPH	<50	<50	3.8	<0.5	<0.5	<0.5	<0.5
EA14	09/27/00	22.90	2.35	20.55	NLPH	<51	<50	\$	0.58	<0.5	<0.5	1.35
EA14	12/28/00	22.90	3.06	19.84	NLPH	<501	<50	2.4	<0.5	<0.5	<0.5	<0.5
EA14	03/27/01	22.90	3.03	19.87	NLPH	<501	~ 20	19.0	1.2	<0.5	<0.5	<0.5
EA14	May-2001	22.90	Property transferred fro	nsferred from V	/alero to Petrα	m Valero to Petroleum Sales Inc						
EA14	06/26/01	22.90	3.31	19.59	NLPH	<50	<50	8	<0.5	<0.5	<0.5	<0.5
EA14	09/25/01	22.90	2.90	20.00	NLPH	<50	<50	8	1.2	1.7	1.9	6.8
EA14	Nov-2001	25.53	Well survey	Well surveyed in compliance with AB 2886 requirements.	e with AB 28	86 requiremen	nts.					

TABLE 2
CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California
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		^1.00 50 50	8 4	S .	, ,	50.50	S &	3 5	8 8	2 E	S 25) } ,	93	2	20	20	09	15	75	32	500	200	20	22		:	• 1	50	ιc		. 5	.5	.5	.5	.5	.5	.5	<0.5	-	5.	.5	<0.5	<0.5	.5	.5
×	1	√ 5	9 5	ا ج ا	ָּ ,	<i>;</i> ∇	9 5	₹ 5	7 2	÷ 5	0.50	, 1	9.0	2.(,0 ,0	<0.50	0.5	,	0.5	0.6	Ö	.0.£	ô.	. &	i	•	i	<0.50	₹	. !	₽	8	8	Ą	8	₽	₽	₹	<u>-</u>	8	8	8	\$	8	<0.5
E (nig/l)	(Hg/L)	V.1.00	0.00	9.9	10/0/	S. C.	2000	20.30	1,50	5 C	0.50 0.50	ı	<0.50	0.80	<0.50	<0.50	<0.500	0.840	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	ı	I	ŀ	<0.50	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
T ((18/L)		0.50) 	70.50	S. C.	05.0>	0.50 0.50	080	8.05 0.50	<0.50	1	<0.50	<0.50	<0.50	<0.50	<0.500	1.05	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	1		. 1	<0.50	<0.5	ł	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B (1/01/)	14.00	7.00	020	<u> </u>	Q 2/	S. C.	05.0	230	7 50	3.20	<0.50	ı	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	ŀ	i	i	<0.50	<0.5	ł	<0.5	9.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MTBE (IIG/I)	/ 70 / 70	4.70 8.75	1 20	2	V0 50	S 05 05 05 05 05 05 05 05 05 05 05 05 05 0	1.40	St. 0>	1 20	130	1.10	1	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	ı	I	!	<0.50	ł	!	!	1	ł	!	!	!	ł	ŀ	i	1	-	ł	ŀ	ļ	.
TPHg (I/all)	400/	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	\ \frac{50.5}{20.5}	}	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	1	<50.0	<50.0	<50.0	<100	<50.0	<50.0	<50	<50	<50.0	<50.0	<50	<50	ļ	1	i	<50	<20	ŀ	<50	<50	<50	<50	<50	<50	~ 20	<50	<50	<50	<20	<50	<50	<50	<50
PH4T	(10F)	200 200 200	<50	3	\ \50	8 G	\ \?	\$ 55 055	\$ \$	8 6	; S	1	D	< 5 0	61b	<50	<50.0	<54.1	<47	<47	<47	<47	< 2 0	<50	i	í	I	<50	400	i	170	260	380	380	420	180	80	06	140	410	90	130	<50	~ 20	110b
SUBJ	N DH		I Z	I A Z	I Z	I A	ī	Ī	I	H	N. P.	1	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	ł	NLPH	NLPH	N.PH	NLPH	NLPH	NLPH	NLPH	NLPH	H H	NLPH	NLPH	NLPH	N.PH	NLPH	NLPH	NLPH
GW Elev. (feet)	23.90	24.71	22.71	18.84	20.33	23.80	24.26	24.93	23.77	22.94	22.29	1	22.28	24.32	23.46	22.57	22.63	24.33	24.50	22.84	21.75	23.76	22.04	21.55	22.59	23.70	24.33	22.38	-	18.23	17.37	19.87	20.29	18.31	17.56	21.86	17.22	16.69	16.65	17.88	17.84	17.04	16.93	20.78	20.71
DTW (feet)	163	S 6	282	699	5.20	1.73	127	0.60	176	2.59	3.24	l	3.25	1.21	2.07	2.96	2.90	1.20	1.03	2.69	3.78	1.77	3.49	3.98	2.94	1.83	1.20	3.15		5.71	6.57	4.07	3.65	5.63	6.38	2.08	6.72	7.25	7.29	90.9	6.10	06.9	7.01	3.16	3.23
TOC (feet)	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	25.53	į	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94
Sampling Date	12/28/01	03/28/02	06/26/02	09/30/02	10/14/02	12/27/02	03/20/03	05/23/03	08/01/03	10/17/03	01/23/04	05/27/04 j	08/27/04	12/01/04	03/03/05	06/23/05	09/22/05	12/21/05	03/22/06	06/13/06	09/22/06	12/21/06	03/20/07	6/11/2007	20/08/80	12/11/07	03/19/08	06/10/08	06/24/91	06/28/91	10/03/91	01/23/92	04/28/92	07/23/92	10/22/92	01/25/93	04/13/93	07/02/93	10/12/93	01/13/94	04/04/94	07/14/94	10/12/94	01/09/95	04/12/95
Well	FA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15

CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
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Sampling Date 07/10/95 10/13/95 01/17/96 04/04/96 07/15/96 01/07/97	(feet) 23.94 23.94 23.94	(feet) 7.13	GW Elev. (feet) 16.81	SUBJ	тРНd (µg/L) 91b	TPHg (µg/L) <50	MTBE (µg/L) 3.6	B (µg/L) <0.5	T (µg/L) <0.5	E (µg/L) <0.5	X (µg/L) <0.5
Jate 77/10/95 71/17/96 71/17/96 71/15/96 71/15/96 71/15/96	(feet) 23.94 23.94 23.94	(feet) 7.13	(feet) 16.81 16.02	NLPH	(µg/L) 91b	(µg/L) <50	(µg/L) 3.6	(µg/L) <0.5	(µg/L) <0.5	(µg/L) <0.5	(µg/L) <0.5
77/10/95 10/13/95 71/17/96 74/04/96 07/15/96 10/21/96	23.94 23.94 23.94	7.13	16.81 16.02	N.P.H	91b	\$ 20	3.6	<0.5	0.5 0.5	0.5 7	<0.5
10/13/95 71/17/96 71/15/96 10/21/96	23.94 23.94		16.02					Ļ	4	40/	
)1/17/96)4/04/96)7/15/96 10/21/96)1/07/97	23.94	7.92	30.05	NLPH	52	<50	<2.5	<0.5	د0.5 د	ر <u>۲</u>	<0.5
)4/04/96)7/15/96 10/21/96)1/07/97		2.04	21.90	NLPH	110	<50	6.9	<0.5	<0.5	<0.5	<0.5
)7/15/96 10/21/96 01/07/97	23.94	3.63	20.31	NLPH	110	<50	2.9	<0.5	<0.5	<0.5	<0.5
10/21/96 31/07/97	23.94	1.50	22.44	NEPH	170d	~ 20	4.1	<0.5	<0.5	<0.5	<0.5
21/07/97	23.94	2.93	21.01	NLPH	99d	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	23.94	3.02	20.92	NLPH	61d	<50	2.8	<0.5	<0.5	<0.5	<0.5
04/28/97	23.94	1.96	21.98	NLPH	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5
07/22/97	23.94	3.52	20.42	NLPH	<50	<50	34	<0.5	<0.5	<0.5	<0.5
10/14/97	23.94	2.83	21.11	NLPH	110d	<50	7	<0.5	<0.5	<0.5	<0.5
01/13/98	23.94	1.98	21.96	NLPH	160d	<50	22	<0.5	<0.5	<0.5	<0.5
04/14/98	23.94	2.90	21.04	NLPH	120d	<50	280	<0.5	<0.5	<0.5	<0.5
07/14/98	23.94	4.09	19.85	NLPH	100d	<50	300	<0.5	<0.5	<0.5	<0.5
10/13/98	23.94	4.56	19.38	NLPH	78d	<50	42	<0.5	<0.5	<0.5	<0.5
01/19/99	23.94	4.03	19.91	NLPH	98	<50	28	<0.5	<0.5	<0.5	<0.5
06/24/99	23.94	4.71	19.23	NLPH	91.7	<50	18.9	<0.5	<0.5	<0.5	<0.5
09/21/99	23.94	5.18	18.76	NLPH	99.0d	78.5i	64.6	1.09	7.10	1.32	9.20
12/30/99	23.94	5.11	18.83	NLPH	06	<50	220	<0.5	<0.5	<0.5	<0.5
03/22/00	23.94	3.26	20.68	NLPH	71	<50	440	8.6	<0.5	<0.5	<0.5
April-2000		Property tran	E	_	، Valero.						
06/15/00	23.94	4.59	19.35	NLPH	<50	<50	380	<0.5	<0.5	<0.5	<0.5
09/27/00	23.94	4.91	19.03	NLPH	150	51	2,500	<0.5	<0.5	<0.5	0.52
12/28/00	23.94	3.66	20.28	NLPH	1801	<50	390	<0.5	<0.5	<0.5	<0.5
03/21/01	23.94	3.11	20.83	NLPH	741	<50	150	<0.5	<0.5	<0.5	<0.5
May-2001		Property tran	=	alero to Petro	oleum Sales Ir					}	}
)6/26/01		5.07		HAIN	<50		4.000	<0.5	<0.5	<0.5	<0.5
19/25/01	23.94	5.19	18.75	Z	140	} } } }	3,600	<0.5	0.5 5.05	0.5	5.0
Vov-2001		Well surveys	- =	e with AB 28	86 requiremen	U	2	}	Ş) }	?
12/28/01		1 05			442	j	280	5	5	5	5
33/28/02	26.55	60.0	23.62		71.7	974	420	7.00	2.50	7.00	8.5
20/92/90	26.55	70.7	23.02)) (4)	380	10,000	0.30	0.00	0.30	0.00
20/07/00	26.55	2 5	21.40		?	0,300	006,01	00.0	06:02	00.00	06.0
10/14/02	26.55	33	21.23		90,	2 820	1 040	90	02.6	2 50	103
20/22/02	26.55	1.51	25.04	I	2 2	120,2	23.8	05 (> 05 ()	0.73	55.5 55.05	2.0°
13/02/03	26.55	2 52	24.03	H	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	16.	8 20	02.0	50.07	50.00	5.5
05/23/03	26.55	3.67	22.88	H	8 8	63.5	5.20	0.00	0.00	0.00	0.00
38/01/03	26.55	7.0	20.72		2 8	200	0.50	9 9	999	0.00	5.0
00/01/03	20.33	 	21.03		\$ F	4.00	32.0	, co.30	V0.50	0.00	<0.50
50/11/03	20.02	5.51	21.24	I L Z	7/	83.9	06.7	<0.50	V0.50	<0.50	\0.50 \0.50
01/23/04	26.55	4.05	22.50	N PH	22	50.1	8.20	<0.50	<0.50	<0.50	<0.50
05/27/04	26.55	4.24	22.31	N PH	106	70.3	1.90	<0.50	<0.50	<0.50	<0.50
08/27/04	26.55	6.56	19.99	NLPH	1419	<50.0	1.40	<0.50	<0.50	<0.50	<0.50
12/01/04	26.55	4.47	22.08	NLPH	107b	74.5	2.60	<0.50	<0.50	<0.50	<0.50
03/03/05	26.55	2.13	24.42	NLPH	230b	73.7	2.5	<0.50	<0.50	<0.50	<0.50
06/23/05	26.55	4.91	21.64	NLPH	308b	<100	2.90	<0.50	<0.50	<0.50	<0.50
J9/22/05	26.55	4.97	21.58	NLPH	95.3b	<50.0	0.680	<0.500	<0.500	<0.500	<0.500
12/21/05	26.55	1.73	24.82	NLPH	357b	85.6	2.50	<0.500	<0.500	<0.500	<0.500
	04/14/98 04/14/98 10/13/98 10/13/99 06/14/99 06/15/90 06/15/00 06/15/00 06/15/00 06/26/01 06/26/01 06/26/02 06/26/02 06/26/02 06/26/02 06/26/02 06/26/02 06/26/02 06/26/03 06/26/03 06/26/03 06/26/03 06/26/03 06/26/03 06/26/03 06/26/03 06/26/03 06/26/03 06/26/03 06/26/03 06/26/03 06/26/03 06/26/03	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	23.94	23.94	23.94	23.94 1.98 21.96 NLPH 23.94 4.09 19.85 NLPH 23.94 4.09 19.85 NLPH 23.94 4.09 19.85 NLPH 23.94 4.03 19.91 NLPH 23.94 5.18 18.76 NLPH 23.94 5.11 18.83 NLPH 23.94 5.11 18.83 NLPH 23.94 4.91 19.03 NLPH 23.94 4.91 19.03 NLPH 23.94 4.91 19.03 NLPH 23.94 5.19 19.85 NLPH 23.94 5.19 Property transferred from Excon Mobil to Va 23.94 5.19 19.03 NLPH 23.94 5.19 19.03 NLPH 23.94 5.19 19.03 NLPH 23.94 5.19 19.03 NLPH 23.94 5.19 19.03 NLPH 23.94 5.19 19.03 NLPH 23.95 5.07 18.87 NLPH 26.55 5.07 21.48 NLPH 26.55 5.31 21.24 NLPH 26.55 4.70 21.85 NLPH 26.55 4.70 21.85 NLPH 26.55 4.70 21.85 NLPH 26.55 4.70 21.85 NLPH 26.55 4.70 21.86 NLPH 26.55 4.70 21.86 NLPH 26.55 4.70 21.86 NLPH 26.55 4.24 22.31 NLPH 26.55 4.24 22.31 NLPH 26.55 4.24 22.31 NLPH 26.55 4.24 22.31 NLPH 26.55 4.47 22.08 NLPH 26.55 1.31 21.24 NLPH 26.55 1.31 21.24 NLPH 26.55 4.47 22.08 NLPH 26.55 1.31 21.24 NLPH 26.55 1.31 21.24 NLPH 26.55 1.31 21.24 NLPH 26.55 1.31 21.24 NLPH 26.55 1.31 21.24 NLPH 26.55 1.31 21.24 NLPH 26.55 1.31 21.24 NLPH 26.55 1.31 21.24 NLPH 26.55 1.31 21.24 NLPH 26.55 1.31 NLPH 26.55 1.3	23.94 2.96 21.96 NLPH 1604 550 23.94 4.09 19.82 NLPH 1204 550 23.94 4.09 19.83 NLPH 1204 550 23.94 4.09 19.83 NLPH 1204 550 23.94 4.03 19.91 NLPH 586 550 23.94 4.71 19.23 NLPH 99.04 78.51 23.94 5.11 18.83 NLPH 99.04 78.51 23.94 5.11 18.83 NLPH 99.04 78.51 23.94 5.11 18.83 NLPH 57 550 23.94 4.51 19.03 NLPH 550 51 23.94 4.51 19.03 NLPH 150 51 23.94 5.19 19.03 NLPH 550 51 23.94 5.19 19.03 NLPH 550 51 23.94 5.19 19.03 NLPH 550 51 23.94 5.19 19.03 NLPH 550 51 23.94 5.19 19.03 NLPH 550 51 23.94 5.19 19.03 NLPH 750 51 23.94 5.19 19.03 NLPH 740 550 23.94 5.19 19.03 NLPH 140 550 23.94 5.19 18.75 NLPH 140 550 23.94 5.19 18.75 NLPH 140 550 24.55 5.07 21.48 NLPH 550 51 26.55 5.07 21.48 NLPH 550 51 26.55 5.31 21.24 NLPH 706 50.1 26.55 5.31 21.24 NLPH 70 50 26.55 5.31 21.24 NLPH 77 50 26.55 5.31 21.24 NLPH 77 50 26.55 5.31 21.24 NLPH 77 50 26.55 5.31 21.24 NLPH 77 50 26.55 5.31 21.24 NLPH 77 50 26.55 5.31 21.24 NLPH 77 50 26.55 5.31 21.24 NLPH 77 50 26.55 5.31 NLPH 77 50 26.55 5.31 21.24 NLPH 77 50 26.55 5.31 NLPH 77 50 26.50 5.31 NLPH 77 50 26.50 5.31 N	2.394 1.98 2.136 NLPH 160d <50 77 2.394 4.09 19.85 NLPH 160d <50 280 2.394 4.09 19.85 NLPH 100d <50 300 2.394 4.09 19.85 NLPH 100d <50 300 2.394 4.71 19.23 NLPH 91.7 <50 18.9 2.394 4.71 19.23 NLPH 91.7 <50 18.9 2.394 4.71 19.23 NLPH 91.7 <50 18.9 2.394 3.26 S.008 NLPH 91.7 <50 220 2.394 3.26 NLPH 91.7 <50 220 2.394 4.59 19.35 NLPH 50 646 2.394 3.11 20.83 NLPH 1801 <50 220 2.394 3.11 20.83 NLPH 1801 <50 250 2.394 3.11 20.83 NLPH 741 50 2.394 3.11 20.83 NLPH 40 250 250 2.394 5.19 19.35 NLPH 40 50 250 2.394 5.19 19.35 NLPH 650 250 2.394 5.19 19.35 NLPH 650 250 2.394 5.19 19.29 NLPH 51 120 2.395 5.31 2.124 NLPH 51 120 2.396 5.31 2.124 NLPH 51 120 2.397 2.250 NLPH 51 120 2.395 5.31 2.124 NLPH 51 120 2.395 5.31 2.124 NLPH 51 120 2.395 5.31 2.124 NLPH 77 50.1 83.9 2.395 5.31 2.124 NLPH 77 50.1 83.5 2.395 5.31 2.124 NLPH 77 50 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.1 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.124 NLPH 77 50.0 83.5 2.395 5.31 2.134 NLPH 85.3 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50	2.3.94 1.98 2.196 NLPH 160d <50 77 605 5 2 2 2 3 4 6 19.85 NLPH 160d <50 280 77 605 5 2 3 4 6 19.85 NLPH 160d <50 300 6.05 5 2 3 4 6 6 19.85 NLPH 160d <50 300 6.05 5 2 3 4 6 6 19.85 NLPH 160d <50 300 6.05 5 2 3 4 6 6 19.81 NLPH 86 50 28 28 6.05 5 2 3 3 4 6 19.31 NLPH 86 50 2 2 2 2 2 2 2 3 4 6 19.31 NLPH 80 6.50 2 2 2 2 2 2 2 3 4 6 19.32 NLPH 80 6.50 2 2 2 2 2 2 2 3 4 6 19.32 NLPH 80 6.50 5 2 2 2 2 2 2 2 3 4 6 19.32 NLPH 160 5.0 6.05 6 2 2 2 2 2 2 3 4 6 19.32 NLPH 160 5.0 6.05 6 2 2 2 2 2 2 3 4 6 19.32 NLPH 160 6.0 6.05 6 2 2 2 2 2 2 2 3 4 6 19.32 NLPH 160 6.0 6.05 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2394 1.98 21.96 NLPH 106d <50 777 0.05 2394 4.09 19.85 NLPH 100d <50 200 0.05 2394 4.00 19.85 NLPH 100d <50 200 0.05 2394 4.00 19.81 NLPH 100d <50 200 0.05 2394 4.00 19.81 NLPH 89 0.00 28 0.05 2394 4.01 19.21 NLPH 89 0.00 250 28 0.05 2394 5.11 19.23 NLPH 99.07 75.5 0.66 18.9 0.05 2394 5.11 19.83 NLPH 99.07 75.5 0.05 2394 5.11 19.83 NLPH 71 50 220 0.05 2394 4.91 19.03 NLPH 71 50 50 380 0.05 2394 4.91 19.03 NLPH 71 50 50 380 0.05 2394 5.11 2.08 NLPH 150 51 50 0.05 2394 5.11 19.03 NLPH 71 150 0.05 2394 5.11 19.03 NLPH 71 150 0.05 2394 6.19 19.03 NLPH 71 150 0.05 2394 6.10 19.03 NLPH 71 150 0.05 2394 6.10 19.03 NLPH 71 10 0.05 2394 6.10 19.03 NLPH 71 10 0.05 2394 6.10 19.03 NLPH 71 10 0.05 2394 6.10 19.03 NLPH 71 10 0.05 2394 6.10 19.03 NLPH 71 10 0.05 2394 6.10 19.03 NLPH 71 10 0.05 2395 5.10 19.03 NLPH 71 10 0.05 2396 5.10 19.03 NLPH 71 10 0.05 2396 5.10 19.03 NLPH 71 10 0.05 2396 5.10 19.03 NLPH 71 10 0.05 2396 5.10 19.03 NLPH 71 10 0.05 2396 5.10 19.03 NLPH 71 10 0.05 2396 5.10 19.03 NLPH 71 10 0.05 2396 5.10 19.03 NLPH 71 10 0.05 2396 5.10 19.03 NLPH 71 10 0.05 2396 5.10 19.03 NLPH 71 10 0.05 2397 6.10 19.03 NLPH 71 10 0.05 2398 5.10 19.03 NLPH 71 10 0.05 2399 5.10 19.03 NLPH 71 10 0.05 2390 5.

CUMULATIVE GROUNDWATER SAMPLING DATA Valero Station 13781 930 Del Presidio Boulevard San Rafael, California (Page 26 of 29)

TABLE 2
CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California
(Page 27 of 29)

×	(µg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	. (6.0	1.6	<0.5	<0.5	i	i	<0.5	<1.2	i	1.1	36	<1.0	5.9	i	Í	1		ì	i	<0.5	i	•
ш	(µg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	,	0.6	2.7	<0.5	<0.5	ŀ	1	<0.5	<1.2	I	1.3	7.4	<1.0	2.9	ľ	ļ	ı	1	1		<0.5	1	
-	(µg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	i	<0.5	2.6	6.0	<0.5	1.	. 1	<0.5	<1.2	ł	2.0	17	<1.0	5.3	1	1	I	1	ı	ŀ	<0.5	ŀ	
æ	(µg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.20	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	,	2.1	87	16	<0.5	1	ł	3.5	<1.2	I	3.6	24	<1.0	15	i	ł	I	1	i	i	<0.5	ł	
MTBE	(µg/L)	8.20	334	290	302	296	190	55.4	108	75.6	82.0	64.5	39.0	22	56	52.9	35.7	30	33	24	21	7.7	16		1	I	1		1	1	430	580	l	490	450	300	280	-	i	I	1	1	ł	<2.5	ŀ	
TPHg	(µg/L)	324	323	322	298	191	190	516	105	74.9	<100	<50.0	<50.0	22	99n	<50.0	<50.0	<20	<50	~20	<50	<50	<50	(022	200	250	<50	i	ŀ	<50	<125	!	<100	190	120i	<200	!	I	ļ	ļ	!	!	<50	ļ	4
TPHd	(hg/L)	\$ \$2	100	<50	61	26	99	c	109b	149b	135b	<50.0	166b	<47	<47	<47	<47	74	² 20	91	69	· \$2	<50	Č	390	09	260	29b	ł	1	1,600b	120	ŀ	160	380d	290d	190d	I	I	I	ļ	ŀ	ł	210d	ļ	
SUBJ		H H	NLPH	N.P.	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	N.P.	HdTN	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH	NLPH		!	N.P.H	1	NLPH	1	1	1	NLPH	ŀ	I	NLPH	NLPH	ł	I	I	ŀ	ŀ	1	ł	I		
GW Elev.	(feet)	19.29	18.54	16.28	15.12	19.35	18.03	17.58	16.68	19.05	19.20	16.88	16.43	19.79	18.90	17.34	17.30	19.05	17.95	16.18	16.80	19.01	17.84		!	ļ	1	l	1	l	ŀ	ŀ	I	I	-	I	1	ļ	ł	.	ł	i	ì	l	ł	
MTQ	(teet)	5.51	6.26	8.52	9.68	5.45	6.77	7.22	8.12	5.75	5.60	7.92	8.37	5.01	5.90	7.46	7.50	5.75	6.85	8.62	8.00	5.79	96.9		ļ	4.82	1	5.75	1	1	l	7.37	}	1	7.30	1.95	ļ	ł	ļ	!	I	1		ł	ļ	
100	(teet)	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80		ŀ	ł	1	ł	1	i	1	1	1	1	1	}	1		1	i	l	i	1	ł	1	
Sampling	Date	03/20/03	05/23/03	08/01/03	10/17/03	01/23/04	05/27/04	08/27/04	12/01/04	03/03/05	06/23/05	09/22/05	12/21/05	03/22/06	06/13/06	09/22/06	12/21/06	03/20/07	6/11/2007	08/29/07	12/11/07	03/19/08	06/10/08	200	01/13/94	04/04/94	07/14/94	10/12/94	01/09/95	04/12/95	07/10/95	10/13/95	01/17/96	04/04/96	07/15/96	10/21/96	01/07/97	04/28/97 t	07/22/97 t	10/14/97 t	01/13/98 t	04/14/98 t	07/14/98 j	10/13/98	01/19/99	 00,70,00
Well	۵	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	i	- AY	RW1	RW1	RW1	RW1	RW1	RW1	RW1	RW1	RW1	RW1	RW1	RW1	RW1	RW1	RW1	RW1	RW1	RW1	RW1	RW1	í

CUMULATIVE GROUNDWATER SAMPLING DATA TABLE 2

Valero Station 13781 930 Del Presidio Boulevard San Rafael, California (Page 28 of 29)

Well	Sampling	T0C	DTW	GW Elev.	SUBJ	TPHd	TPHg	MTBE	В	-	ш	×
QI	Date	(feet)		(feet)		(hg/L)	(hg/L)	(ng/L)	(na/L)	(na/L)	(na/L)	(na/L)
RW1	12/30/99	i	2.21		NLPH	180	<50	96	<0.5	<0.5	<0.5	<0.5
RW1		ł	29.6	1	NLPH	200	65	37	<0.5	8.2	2.3	13.5
RW1		i	Property trans	sferred from E	xxon Mobil to	Valero.						,
RW1		ł	1.42		NLPH	69	<50	3.3	<0.5	<0.5	<0.5	<0.5
RW1		ł	1.91	i	NLPH	150	<50	\$	<0.5	<0.5	<0.5	<0.5
RW1		ł	0.79	i	NLPH	350 I	<50	160	<0.5	<0.5	<0.5	<0.5
RW1		į	0.48	1	NLPH	310	<50	91	4.1	<0.5	<0.5	<0.5
RW1		I	Property trans	sferred from Va	alero to Petro	m Valero to Petroleum Sales Inc.	ç.					:
RW1	06/26/01	ļ	2.04		NLPH	210	<50	100	2.3	<0.5	<0.5	<0.5
RW1	09/25/01	.]	Well no longer sample	$\boldsymbol{\sigma}$								

	Results of subjective evaluation.	No liquid-phase hydrocarbons present in well.	Top of well casing elevation; datum is mean sea level.	Depth to water.	Groundwater elevation; datum is mean sea level.	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015 (modified) or 8015B.	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified) or 8015B.	Methyl tertiary butyl ether analyzed using EPA Method 8260B; prior to 03/28/02, analyzed using EPA Method 8021B.	Tertiary butly alcohol analyzed using EPA Method 8260B.	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B; prior to 10/14/02, analyzed using EPA Method 8021B.	Ethanol analyzed using EPA Method 8260B.	1,2-dibromoethane analyzed using EPA Method 8260B.	1,2-dichloroethane analyzed using EPA Method 8260B.	Tertiary amyl methyl ether analyzed using EPA Method 8260B.	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.	Di-isopropyl ether analyzed using EPA Method 8260B.	Micrograms per liter.	Not Accessible.	Not measured/Not sampled/Not analyzed.	Less than the stated laboratory reporting limit.	Top of casing cut; well requires resurveying.	Sample chromatogram does not resemble the diesel standard pattern.	Hydrocarbons greater than C22 were detected.	Unidentified hydrocarbons ranging from C9-C24 present on the diesel sample chromatogram.	Sample was lost due to laboratory accident.	0.1 inch removed from casing to improve fit of locking well cap.	Well dry and/or insufficient water for gauging or sampling.	Chromatogram pattern: weathered gasoline C6-C12.	Unidentified hydrocarbons present or chromatogram pattern indicated weathered gasoline (C6-C12).	Well inaccessible.	Confirmatory value, calculated by EPA Method 8260B, for the sample with the highest value measured at the site by EPA Method 8020.	Diesel-range hydrocarbons reportedly detected in bailer blank or method blank; result is suspect.	Analysis of Method Blank indicated presence of diesel range hydrocarbons; sample not reported.	Sample container(s) broken; sample not analyzed.
	If	II	11	II	II	H	11	II	H	11	н	II	H	11	П	11	II	H	11	11	H	II	II	11	II.	II	U	II	II	li	11	II	It	#1
Notes:	SUBJ	NLPH	T0C	DTW	GW Elev.	TPHd	TPHg	MTBE	TBA	BTEX	Ethanol	EDB	1,2-DCA	TAME	ETBE	DIPE	hg/L	Υ Y	ļ	v	æ	þ	ပ	ס	Φ	-	ō	ᆮ	-	-	¥		٤	Ľ

TABLE 2 CUMULATIVE GROUNDWATER SAMPLING DATA Valero Station 13781 930 Del Presidio Boulevard San Rafael, California (Page 29 of 29)

×	(hg/L)												
ш	(hg/L)			· •								ided hold time.	
_	(hg/L)			ecovery was 69%	•							d past recommer	
В	(hg/L)			xtract surrogate r)						or details.	mation performed	
MTBE	(hg/L)	de taken.		covery. The re-ex	•	or re-extraction.			range.		boratory report for	tion and/or confin	
TPHg	(µg/L)	TW and/or samp		low surrogate re		was available for	ethod.		k in quantitation	criteria.	Please refer to la	analysis for dilu	
TPH	(hg/L)	ent, no D		ne due to		ent sample	-burge m		nalyte peal	ceptance	usable. F	time. Re-	
SUBJ		em during this ev		ide of holding tin		oratory; insufficie	sampled using no		ence of single ar	n falls outside ac	s the result to be	ommended hold	
GW Elev.	(feet)	mediation syste	or sampling.	-extracted outs	46 µg/L.	ıminated in lab	ation system; s		led due to pres	ation verificatio	; ERI consider	within EPA rec	overy 81.7%.
ΔIM	(teet)	ected to re	ter in well f	nple was re	esult was	t was conta	d to remed	eq.	esult eleva	bias; calibra	/QC issues	performed	sample reco
T0C	(feet)	Well was conn	Insufficient wa	The TPHd san	and the DRO r	Sample extrac	Well connecte	Well box flood	Hydrocarbon n	Possible high I	Laboratory QA	Initial analysis	TPHd spiked sample recovery 81.7%.
Sampling	Date	11	II	n		II	II	11	Ħ	II	B	II	II
Well	Ω	0	۵	σ		L	s	+	כ	>	*	×	>
	Sampling TOC DTW GW Elev. SUBJ TPHd TPHg	Sampling TOC DTW GW Elev. SUBJ TPHd TPHg Date (feet) (feet) (feet) (ug/L)	Sampling TOC DTW GW Elev. SUBJ TPHd TPHg Date (feet) (feet) (feet) (µg/L) (µg/L) = Well was connected to remediation system during this event, no DTW and/or sample ta	Sampling TOC DTW GW Elev. SUBJ TPHd TPHg Date (feet) (feet) (feet) (µg/L) (µg/L) = Well was connected to remediation system during this event, no DTW and/or sample ta Insufficient water in well for sampling.	Sampling Date =	Sampling TOC DTW GW Elev. SUBJ TPHd TPHg Date (feet) (feet) (feet) (ug/L) (ug/L) = Well was connected to remediation system during this event, no DTW and/or sample ta = Insufficient water in well for sampling. = The TPHd sample was re-extracted outside of holding time due to low surrogate recove and the DRO result was 246 µg/L.	Sampling Date	Sampling Date	Sampling Date	Sampling Date	Sampling Date	Sampling Date Date	Sampling Date Date

TABLE 3
ADDITIONAL CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
San Rafael, California
(Page 1 of 11)

12/21/87 - 03/2 Property transfe 06/15/00 - 03/2	12/21/87 - 03/22/00 Not analyzed for these analytes. Property transferred from Exxon Mobil to Valencin An	hese analytes.					
Property transfe 06/15/00 - 03/2	erred from Exxon Mobil						
06/15/00 - 03/2		Property transferred from Exxon Mobil to Valero in April 2000.	.00.				
Tanata Tanata	06/15/00 - 03/27/01 Not analyzed for these analytes. Property transferred from Valers to Petroleum Sales	or these analytes.	May 2001				
06/26/01 - 12/2	06/26/01 - 12/27/02 Not analyzed for these analytes.	rese analytes.	May 2001.				
03/20/03	1	.	I	11,400	1	1	l
05/23/03	l	!	l	37,400	ŀ	ŀ	1
08/01/03	1	l	ŀ	19,800	ŀ	I	ŀ
10/17/03	-	1	1	16,000	:	I	l
01/23/04	<2.50	<2.50	<2.50	55,000	<2.50	<2.50	•
05/27/04	i	!	1	3,080	ı	i	<50.0
08/27/04	<0.50	<0.50	<0.50	4,420	<0.50	<0.50	<50.0
12/01/04	<0.50	<0.50	<0.50	11,800	<0.50	<0.50	<50.0
03/03/05	<0.50	<0.50	<0.50	15,300	<0.50	<0.50	<50.0
06/23/05	<0.50	<0.50	<0.50	14,400	<0.50	<0.50	<50.0
09/22/05	<0.500	<0.500	<0.500	000'9	<0.500	<0.500	<50.0
12/21/05	<0.500	2.80	<0.500	5,290	<0.500	<0.500	153
03/22/06	<10	<10	<10	7,200	<10	<10	<2,000v
06/13/06	<0.50	<0.50	<0.50	5,100	<0.50	<0.50w	<100
09/22/06	<0.500	<0.500	<0.500	1,940x	<0.500	<0.500	<0.500
12/21/06	<0.500	<0.500	<0.500	402x	<0.500	<0.500	<50.0
03/20/07	<0.50	<0.50	<0.50	1,500	<0.50	<0.50	<5.0
06/11/07	<0.50	<0.50	<0.50	1,700	<0.50	<0.50	<5.0
08/29/07	<0.50	<0.50	<0.50	1,900	<0.50	<0.50	<5.0
12/11/07	<0.50	<0.50	<0.50	1,100	<0.50	<0.50	l
03/19/08	<0.80	<0.80	<0.80	1,800	<0.80	<0.80	I
06/10/08	i	ŀ	ì	1,500	i	ł	ł
12/21/87 - 03/2	12/21/87 - 03/22/00 Not analyzed for these analytes.	hese analytes.					
Property transfu	Property transferred from Exxon Mobil to Valero in April 2000.	to Valero in April 20	.00				
06/15/00 - 03/2	06/15/00 - 03/27/01 Not analyzed for these analytes.	hese analytes.					
Property transfu	Property transferred from Valero to Pel	Petroleum Sales Inc. in May 2001.	1 May 2001.				
06/26/01 - 12/2	06/26/01 - 12/27/02 Not analyzed for these analytes	hese analytes.					
03/20/03	- [1	I	6,010	ı	I	I
05/23/03	ŀ	!	i	12,600	1	I	1
08/01/03	•	ł	ı	7,450	1	i	1
10/17/03	ı	ŀ	i	9,510	I	I	ļ
01/23/04	<0.50	<0.50	<0.50	4,730	<0.50	<0.50	ļ
05/27/04	I		ı	1,520	1	ł	<50.0
08/27/04	<0.50	<0.50	<0.50	845	<0.50	<0.50	<50.0
12/01/04	<0.50	<0.50	<0.50	695	<0.50	<0.50	<50.0
03/03/05	<0.50	<0.50	<0.50	378	<0.50	<0.50	<50.0
06/23/05	7		1				
	(A. C.)	Q 20	V0.50	200	<0.50	<0.50	<50.0
20/00/00	00.00	<0.50	<0.50	200	<0.50	<0.50 6.50	<50.0

TABLE 3

ADDITIONAL CUMULATIVE GROUNDWATER SAMPLING DATA
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Well	Sampling	EDB	1,2-DCA	TAME	TBA	ETBE	DIPE	Ethanol	
Ω	Date	(hg/L)	(µg/L)	(hg/L)	(hg/L)	(hg/L)	(hg/L)	(hg/L)	
EA2	03/22/06	<0.50	<0.50	<0.50	170	<0.50	<0.50	<100v	
EA2	06/13/06	<0.50	<0.50	<0.50	250	<0.50	<0.50w	<100	
EA2	09/22/06	<0.500	<0.500	<0.500	127	<0.500	<0.500	<50.0	
EA2	12/21/06	<0.500	<0.500	<0.500	127	<0.500	<0.500	<50.0	
EA2	03/20/07	<0.50	<0.50	<0.50	7	<0.50	<0.50	<5.0	
EA2	06/11/07	<0.50	<0.50	<0.50	52	<0.50	<0.50	<5.0	
EA2	08/29/07	<0.50	<0.50	<0.50	8.9	<0.50	<0.50	<5.0	
EA2	12/11/07	<0.50	<0.50	<0.50	7	<0.50	<0.50		
EA2	03/19/08	<0.50	<0.50	<0.50	9	<0.50	<0.50	1	
EA2	06/10/08	ŀ	I	l	40	i	I	i	
ς 4	M 00100100 T0110101	- 44 - 45 - 44 - 44							
2	12/21/0/ - U3/22/UU INOL arialyzed IOI triese arialytes.	or arialyzed for the	sse analytes.						
EA3	Property transferred from Exxon Mobil to Valero in April 2000.	om Exxon Mobil to	Valero in April 2000						
EA3	06/15/00 - 03/27/01 Not analyzed for these analytes.	ot analyzed for the	ese analytes.						
E A 3	Property transferred from Valero	om Valero to Petro	to Petroleum Sales Inc. in May 2001.	ay 2001.					
EA3	06/26/01 - 12/27/02 Not analyzed	ot analyzed for the	d for these analytes.						
EA3	03/20/03		ŧ	ŀ	7,700	1	1	I	
EA3	05/23/03	I	1	1	5,310	****	I	2 6 8	
EA3	08/01/03	I	I	ŀ	6,980	ļ	I		
EA3	10/17/03	1	I	ı	5,100	ŀ	i	1	
EA3	01/23/04	<2.50	<2.50	<2.50	8,300	<2.50	<2.50	ŀ	
EA3	05/27/04	ł	ļ	ı	27,000	;	I	<50.0	
EA3	08/27/04	<0.50	<0.50	<0.50	110	<0.50	0.80	<50.0	
EA3	12/01/04	<0.50	<0.50	<0.50	2,760	<0.50	<0.50	<50.0	
EA3	03/03/05	<0.50	<0.50	<0.50	1,620	<0.50	<0.50	<50.0	
EA3	06/23/05	1.70	<0.50	<0.50	826	<0.50	<0.50	<50.0	
EA3	09/22/05	<0.500	<0.500	<0.500	918	<0.500	<0.500	<50.0	
EA3	12/21/05	<0.500	2.69	<0.500	486	<0.500	<0.500	137	
EA3	03/22/06	<1.0 1.0	<1.0	<1.0	810	<1.0	×1.0	<200	
EA3	06/13/06	<1.0	<1.0	<1.0	440	<1.0	<1.0w	<200	
EA3	09/22/06	<0.500	<0.500	<0.500	602	<0.500	<0.500	<50.0	
EA3	12/21/06	<0.500	<0.500	<0.500	155	<0.500	<0.500	<50.0	
EA3	03/20/07	<0.50	<0.50	<0.50	130	<0.50	<0.50	<5.0	
EA3	06/11/07	<0.50	<0.50	<0.50	330	<0.50	<0.50	<5.0	
EA3	08/30/02	<0.50	<0.50	<0.50	230	<0.50	<0.50	<5.0	
EA3	12/11/07	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	l	
EA3	03/19/08	<0.50	<0.50	<0.50	14	<0.50	<0.50	1	
EA3	06/10/08	i	1	ı	56	ŀ	ŀ	•	
ì			7						
EA4	12/21/87 - 03/22/00 Not analyzed for these analytes.	lot analyzed for the	ese analytes.						
EA4	Property transferred from Exxon Mobil to Valero in April 2000.	om Exxon Mobil to	Valero in April 2000						
EA4	06/15/00 - 03/27/01 Not analyzed for these analytes.	lot analyzed for the	ese analytes.						
EA4	Property transferred from Valero to Petroleum Sales Inc. in May 2001.	om Valero to Petr≀	oleum Sales Inc. in M	fay 2001.					
EA4	06/26/01 - 12/27/02 Not analyzed for these analytes.	lot analyzed for the	ese analytes.						
EA4	03/20/03	i	1	I	<10.0	1	1	1	
EA4	05/23/03	!	•	ŀ	<10.0	i	1	i	

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ADDITIONAL CUMULATIVE GROUNDWATER SAMPLING DATA
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Ethanol (µg/L)		1	1	<50.0	<50.0	<50.0	<50.0	<50.0	<20.0	139	<100	<100	<50.0	<50.0	<5.0	<5.0	ŀ	1	ı	İ	ı						ı	1	1	I	I	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<2,500	<2,000	<50.0	<50.0	ŀ	9	:
UPE (µg/L)		ļ	<0.50	1	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50w	<0.500	<0.500	<0.50	<0.50	ļ	I	1	I	1						I	I	I	ļ	<0.50	ł	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<12	<10w	<0.500	<0.500	}	G L	
ETBE (µg/L)	1	I	<0.50	·	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	1	1	!	ı	ı						i	,1	1	1	<0.50	I	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<12	<10	<0.500	<0.500	I	i i	
IBA (µg/L)	<10.0	738	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	17.1	<10.0	<20	<20	<10.0	<10.0	<5.0	<5.0	ŀ	ł	1	880	ı						5,800	11,800	21,800	<10.0	1,350	169	3,290	48.6	635	<10.0	820	358	1,900	2,600	417	123	i		
I AME (µg/L)		ł	<0.50	}	<0.50	<0.50	<0.50	<0.50	<0.500	1.41	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	1	I	ļ	ł	1		0	•	May 2001.		1	ı	1	I	<0.50	ł	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	28	<10	<0.500	<0.500	1		C C41
1,2-DCA (µg/L)		ł	<0.50	-	<0.50	<0.50	<0.50	<0.50	<0.500	2.58	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	1	ŀ	ļ	1	ı	ase analytes	Se alialytes. Valero in April 200	ese analytes.	oleum Sales Inc. in I	ese analytes.	ŀ	I	1	I	<0.50	l	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<12	<10	<0.500	<0.500	I	(
EDB (µg/L)		l	<0.50	ŀ	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	!	I	1	I	i	Not analyzed for the	from Exxon Mobil to	Not analyzed for the	from Valero to Petr	Not analyzed for th	!	1	ļ	ŀ	<0.50	I	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<12	<10	<0.500	<0.500	1	Ç L	
Sampling Date	08/01/03	10/13/03	01/23/04	05/27/04	08/27/04	12/01/04	03/03/05	06/23/05	09/22/05	12/21/05	03/22/06	06/13/06	09/22/06	12/21/06	03/20/07	06/11/07	08/30/02	12/11/07	03/19/08	03/19/08	06/10/08	12/21/87 - 03/22/00 Not analyzed for these analytes	Property transferred from Exxon Mobil to Valero in April 2000.	06/15/00 - 03/27/01 Not analyzed for these analytes.	Property transferred from Valero to Petroleum Sales Inc. in May 2001.	06/26/01 - 12/27/02 Not analyzed for these analytes	03/20/03	05/23/03	08/01/03	10/17/03	01/23/04	05/27/04	08/27/04	12/01/04	03/03/05	06/23/05	09/22/05 s	12/21/05 s	03/22/06 s	06/13/06 s	09/22/06 s	12/21/06	03/20/07		111111111111111111111111111111111111111
Well D	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	EA4	FA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	EA5	1	2

ADDITIONAL CUMULATIVE GROUNDWATER SAMPLING DATA
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ADDITIONAL CUMULATIVE GROUNDWATER SAMPLING DATA
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HO/W	Scillanco	9	4000	74147	i		L	17.1	
ב מ	Sampling	EUB (112/1)	1,2-UCA	I AME	lBA	E18E	UPE ()	Ethanol (/	
EA0	06/07/04	(P9/L)	(HB/L)	(FB/F)	(µ9/L)	(µ8/r)	(hg/r)	(µ9/L)	
EAS	05/27/04	I	ļ	1	<10.0	1	•	<20.0	
EA8	08/27/04	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0	
EA8	12/01/04	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0	
EA8	03/03/05	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0	
EA8	06/23/05	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0	
EA8	09/22/05	<0.500	<0.500	<0.500	37.7	<0.500	<0.500	<50.0	
EA8	12/21/05	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	
EA8	03/22/06	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100	
EA8	06/13/06	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100w	
EA8	09/22/06	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	
EA8	12/21/06	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	
EA8	03/20/07	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<5.0	
EA8	06/11/07	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<5.0	
EA8	08/30/02	ļ	ł	ļ	ŀ	I	ł	ŀ	
EA8	12/11/07	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	1	
EA8	03/19/08	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	1	
EA8	06/10/08	1	ŀ	I	<5.0	I	ı	i	
EA9	12/21/87 - 03/22/00 Not analyzed for these analytes	ot analyzed for thes	e analytes						
i L		,		,					
E Y	Property transferred from Exxon Mobil to Valero in Application 02/02/04 Not small and for the property from	m Exxon Mobil to	Mobil to Valero in April 2000.						
n 0 V U	Deports transferred from Valers to Detroloum Sales in May 2004	or analyzed for mes	se analytes.	1000					
n (popolo nansieneu no	in valero lo religi	eum Sales IIIC. III N	May 2001.					
EA9	06/26/01 - 12/27/02 Not analyzed for these analytes	ot analyzed for thes	se analytes.						
EA9	03/20/03	1	1	1	1,030	1	1	1	
EA9	05/23/03	I	1	I	1,390	1	I	I	
EA9	08/01/03	ŀ	l	1	1,840	ì	ı	1	
EA9	10/13/03	I	į		066	i	I	ļ	
EA9	01/23/04	<0.50	<0.50	<0.50	1,410	<0.50	<0.50	i	
EA9	05/27/04	ŀ	I	1	812	ł	l	<50.0	
EA9	08/27/04	<0.50	<0.50	<0.50	932	<0.50	<0.50	<50.0	
EA9	12/01/04	<0.50	<0.50	<0.50	530	<0.50	<0.50	<50.0	
EA9	03/03/05	<0.50	<0.50	<0.50	989	<0.50	<0.50	<50.0	
EA9	06/23/05	<0.50	<0.50	<0.50	926	<0.50	<0.50	<50.0	
EA9	09/22/05	<0.500	<0.500	<0.500	523	<0.500	<0.500	<50.0	
EA9	12/21/05	<0.500	<0.500	<0.500	209	<0.500	<0.500	<50.0	
EA9	03/22/06	<0.50	<0.50	<0.50	530	<0.50	<0.50	<100	
EA9	06/13/06	<0.50	<0.50	<0.50	540	<0.50	<0.50	<100w	
EA9	09/22/06	<0.500	<0.500	<0.500	526	<0.500	<0.500	<50.0	
EA9	12/21/06	<0.500	<0.500	<0.500	310	<0.500	<0.500	<50.0	
EA9	03/20/07	<0.50	<0.50	<0.50	370	<0.50	<0.50	<5.0	
EA9	06/11/07	<0.50	<0.50	<0.50	320	<0.50	<0.50	<5.0	
EA9	28/30/02	<0.50	<0.50	<0.50	190	<0.50	<0.50	<5.0	
EA9	12/11/07	<0.50	<0.50	<0.50	91	<0.50	<0.50	1	
EA9	03/19/08	<0.50	<0.50	<0.50	280	<0.50	<0.50	1	
EA9	06/10/08	ļ	ŀ	į	270	ŀ	!	l	

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Ethanol	(H9/L)					ļ	1	1	l	ı	1	ı	<50.0	<50.0	<50.0	<50.0	<50.0	<100	<100	<50.0	<50.0	<5.0	<5.0	ł	1	ŀ	ļ						1	ļ	- 1	·į	i	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<100
DIPE	(HB/L)					1		I	i	<0.50	l	ì	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50w	<0.500	<0.500	<0.50	<0.50	I	1	-	1						ŀ	1	ł	i	<0.50	l	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50
ETBE	(h8/r)					ŀ	1	1	l	<0.50	i	1	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	ł	l	ł	1						1	i	ł	ŀ	<0.50	1	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50
TBA	(hg/L)					<10.0	<10.0	<10.0	525	<10.0	ŀ	ı	<10.0	<10.0	<10.0	46.1	51.5	<20	<20	<10.0	<10.0	<5.0	8.2	1	!	1	<5.0						<10.0	<10.0	13.0	413	<10.0	<10.0	<10.0	<10.0	22.6	15.9	13.1	<10.0	<20
TAME	(P8/L)			ay 2001.		ı	ı	ļ	ŀ	<0.50	1	I	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	****	l	1	I				ay 2001.		ŀ	1	1	l	<0.50	ŀ	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50
1,2-DCA	(Hg/L)	Valero in April 2000	se analytes.	eum Sales Inc. in M	se analytes.	1	.1	-	ŀ	<0.50		i	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	-	1	ŀ	1	ese analytes.	Valero in April 2000	se analytes.	oleum Sales Inc. in M	ese analytes.	ŀ	1	1	ļ	<0.50	I	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50
EDB	Not analyzed for the	from Exxon Mobil to	Not analyzed for the	from Valero to Petro	Not analyzed for the	!	!	1	;	<0.50	ŀ	ì	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	1	}	1	I	Not analyzed for the	from Exxon Mobil to	Not analyzed for the	from Valero to Petro	Not analyzed for the	1	1	i	i	<0.50	***	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50
 Sampling Date	12/21/87 - 03/22/00 Not analyzed for these analytes.	Property transferred from Exxon Mobil to Valero in April 2000	06/15/00 - 03/27/01 Not analyzed for these analytes.	Property transferred from Valero to Petroleum Sales Inc. in May 2001	06/26/01 - 12/27/02 Not analyzed for these analytes.	03/20/03	05/23/03	08/01/03	10/17/03	01/23/04	01/05/00 j	08/27/04 p	12/01/04	03/03/05	06/23/05	09/22/05	12/21/05	03/22/06	06/13/06	09/22/06	12/21/06	03/20/07	06/11/07	29/30/02	12/11/07	02/19/08	06/10/08	12/21/87 - 03/22/00 Not analyzed for these analytes.	Property transferred from Exxon Mobil to Valero in April 2000	06/15/00 - 03/27/01 Not analyzed for these analytes.	Property transferred from Valero to Petroleum Sales Inc. in May 2001.	06/26/01 - 12/27/02 Not analyzed for these analytes.	03/20/03	05/23/03	08/01/03	10/17/03	01/23/04	05/27/04	08/27/04	12/01/04	03/03/05	06/23/05	09/22/05	12/21/05	03/22/06
Well	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA 10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA10	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11

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ADDITIONAL CUMULATIVE GROUNDWATER SAMPLING DATA
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Ethanol (µg/L)	<100	<50.0	<50.0	<5.0	<5.0	<5.0	.	1	!						1	ŀ	1	!	†	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<100v	<100	<50.0	<50.0	<5.0	<5.0	ļ	1	1	1				-		ł	ļ		l
DIPE (µg/L)	<0.50w	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	I						!	!	1	ì	<0.50	1	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50w	<0.500	<0.500	<0.50	<0.50	i	!	i	I						ŀ	ļ	ļ	ŀ
ETBE (µg/L)	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	I						1	1	1	1	<0.50	1	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	l	i	i	1						i	i		-
TBA (µg/L)	<20	12.7	46.6	18	25	13	20	<5.0	9.1						<10.0	<10.0	<10.0	19.5	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20	<20	<10.0	<10.0	<5.0	<5.0	ł	1	i	<5.0						<10.0	<10.0	?	1
TAME (µg/L)	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	ı				/ay 2001.		i	ŀ	1	ł	<0.50	***	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	1	i	ŀ	1		_		May 2001.		i	ļ		!
1,2-DCA (µg/L)	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	i	sse analytes.	Valero in April 2000	se analytes.	eum Sales Inc. in N	se analytes.	1	1	ł	I	<0.50	1	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	ŀ	I	i	1	se analytes	Valero in Anril 200	see analytes	ese analytes. bleum Sales Inc. in I	ese analytes		;	!	ì
EDB (µg/L)	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	i	Not analyzed for the	from Exxon Mobil to	Not analyzed for the	from Valero to Petro	Not analyzed for the	ŀ	ì	i	i	<0.50	;	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	-	I	ı	1	Not analyzed for the	from Exxon Mobil to	Not applyized for the	from Valero to Petro	Not analyzed for the	-	•	l	!
Sampling Date	06/13/06	09/22/06	12/21/06	03/20/07	06/11/07	08/30/07	12/11/07	03/19/08	06/10/08	12/21/87 - 03/22/00 Not analyzed for these analytes.	Property transferred from Exxon Mobil to Valero in April 2000.	06/15/00 - 03/27/01 Not analyzed for these analytes.	Property transferred from Valero to Petroleum Sales Inc. in May 2001.	06/26/01 - 12/27/02 Not analyzed for these analytes.	03/20/03	05/23/03	08/01/03	10/17/03	01/23/04	05/27/04	08/27/04	12/01/04	03/03/05	06/23/05	09/22/05	12/21/05	03/22/06	06/13/06	09/22/06	12/21/06	03/20/07	06/11/07	08/30/02	12/11/07	03/19/08	06/10/08	12/21/87 - 03/22/00 Not analyzed for these analytes.	Property transferred from Exxon Mobil to Valero in April 2000	06/15/00 - 03/27/01 Not applyzed for these applytes	Property transferred from Valero to Petroleum Sales Inc. in May 2001	06/26/01 - 12/27/02 Not analyzed for these analytes	03/20/03	05/23/03	00,124,00	08/01/03
Weil	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA11	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA12	EA13	FA13	EA13	EA13	EA13	EA13	EA13	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	EA13

TABLE 3

ADDITIONAL CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
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(Page 8 of 11)

Ethanol (μg/L)		l	ł	1	1.	<50.0	<50.0	ı	<100v	<100	1	- 1	<5.0	5	ı	1	ŀ	1						I		ŀ	I	ł	•	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<100^	<100	<50.0	<50.0	<5.0	<5.0	1,	l	1	1
DIPE (µg/L)	1	<0.50	1	1	1	<0.50	<0.50	ļ	<0.50	<0.50w	ì	1	<0.50	50	ł	1	1	i						ļ		I	I	<0.50	1	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	1	1		1
ETBE (µg/L)		<0.50	I	l	1	<0.50	<0.50	ł	<0.50	<0.50	i	ļ	<0.50	50	l	l	1	1						1	!	ł	ł	<0.50	I	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	1	i	ļ	1
TBA (µg/L)	1	<10.0	1	l	ļ	<10.0	<10.0	ŀ	<20	<20	1	1	<5.0	Б	1		ŀ	<5.0						14.6	<10.0	<10.0	<10.0	<10.0	I	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20	<20	<10.0	<10.0	<5.0	<5.0	l	ł	ŀ	<5.0
TAME (µg/L)	1	<0.50	I	ŀ	}	<0.50	<0.50	I	<0.50	<0.50	ŀ	:	<0.50	ס	ŀ	l	i	I		ď		Aay 2001.		ŀ	****	1	I	<0.50	I	<0.50	<0.50	1.10	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	1	l	ł	1
1,2-DCA (µg/L)	-	<0.50	ł	ŀ	***	<0.50	<0.50	ŀ	<0.50	<0.50	ŀ	I	<0.50	Ö	ļ	i	1	1	se analytes.	Valero in April 2000	se analytes.	leum Sales Inc. in N	se analytes.	ı	ţ	l	I	<0.50	1	<0.50	<0.50	1.20	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	ŀ	I	ŀ	1
EDB (µg/L)		<0.50	:	I	}	<0.50	<0.50	ļ	<0.50	<0.50	ŀ	1	<0.50	D	ļ	-	1	I	Not analyzed for the	rom Exxon Mobil to	Not analyzed for the	from Valero to Petro	Not analyzed for the	ŀ	I	1	1	<0.50	ı	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	I	1	1	ı
Sampling Date	10/17/03	01/23/04	05/27/04 g	08/27/04 g	12/01/04 g	03/03/05	06/23/05	09/22/05 g	03/22/06	06/13/06	09/22/06 g	12/21/06 g	03/20/07	06/11/07	08/30/02	12/11/07	03/19/08	06/10/08	12/21/87 - 03/22/00 Not analyzed for these analytes.	Property transferred from Exxon Mobil to Valero in April 2000.	06/15/00 - 03/27/01 Not analyzed for these analytes.	Property transferred from Valero to Petroleum Sales Inc. in May 2001.	06/26/01 - 12/27/02 Not analyzed for these analytes.	03/20/03	05/23/03	08/01/03	10/17/03	01/23/04	05/27/04 j	08/27/04	12/01/04	03/03/05	06/23/05	09/22/05	12/21/05	03/22/06	06/13/06	09/22/06	12/21/06	03/20/07	06/11/07	08/30/02	12/11/07	03/19/08	06/10/08
Welf	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA13	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14	EA14

ADDITIONAL CUMULATIVE GROUNDWATER SAMPLING DATA
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ID EA15	EA15 EA15 EA15 EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA15	EA 13	EA 13	2 4 5 1 2 1 4 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	FA15	EA15	EA15	EA15	EA15	EA15	EA15	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	0 4 1	EA16
Sampling Date 12/21/87 - 03/22/0	Property transferr 06/15/00 - 03/27// Property transferr 06/26/01 - 12/27/C	03/20/03	05/23/03	08/01/03	10/17/03	01/23/04	05/27/04	08/27/04	12/01/04	03/03/05	06/23/05	09/22/05	12/21/05	03/22/06	00/22/06	12/21/06	03/20/07	06/11/07	08/30/02	12/11/07	03/19/08	06/10/08	12/21/87 - 03/22/0	Property transferre	06/15/00 - 03/27/0	Property transferre	06/26/01 - 12/27/0	03/20/03	05/23/03	08/01/03	10/17/03	01/23/04	05/27/04	08/27/04	12/01/04	03/03/05	00/23/03	09/22/05
Date (µg/L) (µg/L) (µg/L) (µg/L) (µg/L) (µg/L) (µg/L)	Property transferred from Exxon Mobil to Valero in April 2000. 06/15/00 - 03/27/01 Not analyzed for these analytes. Property transferred from Valero to Petroleum Sales Inc. in May 2001. 06/26/01 - 12/27/02 Not analyzed for these analytes.	l	1	ı	1	<0.50	-	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50 6.50	40.50 6.50	<0.500	30.50 05.0≥	<0.50	<0.50	<0.50	<0.50		12/21/87 - 03/22/00 Not analyzed for these analytes.	Property transferred from Exxon Mobil to Valero in April 2000.	06/15/00 - 03/27/01 Not analyzed for these analytes.	Property transferred from Valero to Petroleum Sales Inc. in May 2001.	06/26/01 - 12/27/02 Not analyzed for these analytes.	1	,	i	***	<0.50	ŀ	<0.50	<0.50	<0.50	00:05	<0.500
1,2-DCA (µg/L)	to Valero in April 20 these analytes. troleum Sales Inc. ir these analytes.	-	1	1	1	<0.50	I	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	V0.500	05.05 05.05	<0.50	<0.50	<0.50	<0.50	i	these analytes.	to Valero in April 20	hese analytes.	troleum Sales Inc. ir	these analytes.	i	I	•	1	<0.50	i	<0.50	<0.50	<0.50	CU.50	<0.500
I AME (µg/L)	00. Мау 2001.	l	***	1	!	<0.50	l	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	05.0>	00:200	05.05	<0.50	<0.50	<0.50	<0.50	i		.00		May 2001.		I	1	ļ	I	<0.50	1	<0.50	<0.50	<0.50	OC:0>	<0.500
TBA (µg/L)		949	495	9,310	20,400	5,360	195	379	426	247	393	88.4	349	73	24	<10.0 5E 9	15.6	9.9	<5.0	14	<5.0	<5.0						985	44.4	45.0	735	68.8	<10.0	3,380	102	93.4	164	124
ETBE (µg/L)		1	-	I	ŀ	<0.50	-	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	70.300 20.50	0.50	<0.50	<0.50	<0.50	i						1	ŀ	I	ł	<0.50	1	<0.50	<0.50	<0.50	<0.50	<0.500
DIPE (µg/L)		ı	I	I	I	<0.50	l	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.500	70.300 70.50	0,00 0,00 0,00	<0.50	<0.50	<0.50	ı						!	•	1	i	06.0	ŀ	<0.50	1.00	0.90	0.00	<0.500
Ethanol (µg/L)			i	1	i	i	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<100^	<100	<50.0	\. 50.00	\$5.0	<5.0		ı	I							i		1	I	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0

TABLE 3

ADDITIONAL CUMULATIVE GROUNDWATER SAMPLING DATA
Valero Station 13781
930 Del Presidio Boulevard
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Ethanol	(na/L)	<100v	<100	<50.0	<50.0	<5.0	<5.0	<5.0	;	1						I	
DIPE	(hg/L)	0.75	0.81	1.18	0.700	0.64	0.68	0.53	69.0	69.0	ı					I	
ETBE	(hg/L)	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	ı					i	
TBA	(hg/L)	170	200	135	123	49	53	39	38	12	45					;	
TAME	(µg/L)	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	i		0		May 2001.		
1,2-DCA	(µg/L)	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	I	for these analytes.	Mobil to Valero in April 2000.	d for these analytes.	to Petroleum Sales Inc. in May 2001	!	led.
EDB	(µg/L)	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50	I	Not analyzed for th			from Valero to Petr	!	Well no longer sampled
Sampling	Date	03/22/06	06/13/06	09/22/06	12/21/06	03/20/07	06/11/07	08/29/07	12/11/07	03/19/08	06/10/08	01/13/94 - 03/22/00 Not analyzed	Property transferred from Exxon	06/15/00 - 03/27/01 Not analyzed	Property transferred from Valero	06/26/01	09/25/01
Well	Q	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	EA16	RW1	RW1	RW1	RW1	RW1	RW1

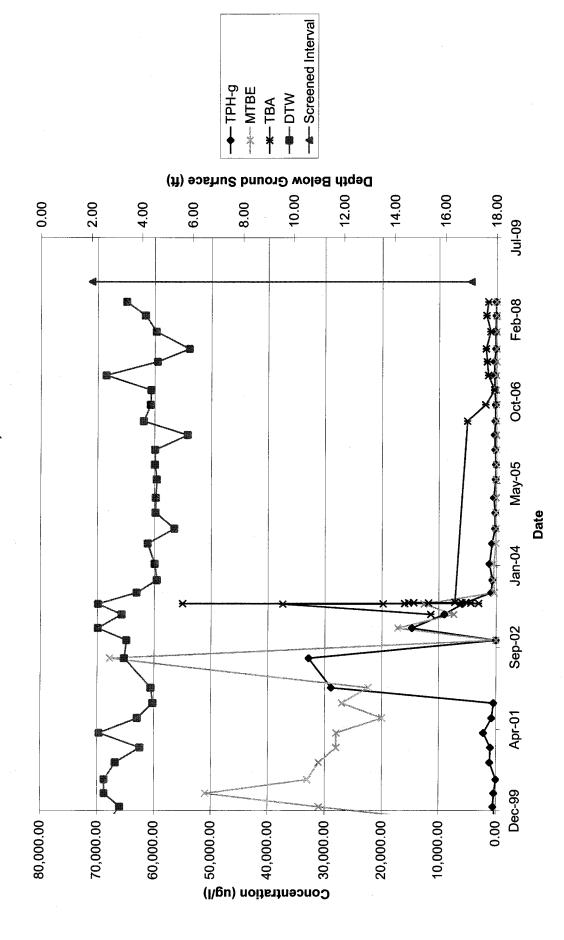
The second secon		Results of subjective evaluation.	No liquid-phase hydrocarbons present in well.	Top of well casing elevation; datum is mean sea level.	Depth to water.	Groundwater elevation; datum is mean sea level.	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015 (modified) or 8015B.	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified) or 8015B.	Methyl tertiary butyl ether analyzed using EPA Method 8260B; prior to 03/28/02, analyzed using EPA Method 8021B.	Tertiary butyl alcohol analyzed using EPA Method 8260B.	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B; prior to 10/14/02, analyzed using EPA Method 8021B.	Ethanol analyzed using EPA Method 8260B.	1,2-dibromoethane analyzed using EPA Method 8260B.	1,2-dichloroethane analyzed using EPA Method 8260B.	Tertiary amyl methyl ether analyzed using EPA Method 8260B.	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.	Di-isopropyl ether analyzed using EPA Method 8260B.	Micrograms per liter.	Not measured/Not sampled/Not analyzed.	Less than the stated laboratory reporting limit.	Top of casing cut; well requires resurveying.	Sample chromatogram does not resemble the diesel standard pattern.	Hydrocarbons greater than C22 were detected.	Unidentified hydrocarbons ranging from C9-C24 present on the diesel sample chromatogram.	Sample was lost due to laboratory accident.	0.1 inch removed from casing to improve fit of locking well cap.	Well dry and/or insufficient water for gauging or sampling.	Chromatogram pattern: weathered gasoline C6-C12.	Unidentified hydrocarbons present or chromatogram pattern indicated weathered gasoline (C6-C12).
		II	II	11	11	11	II	11	11	II	II	II	Ħ	II	II	n	n	II	11	II	n	II	11	II	ti	II	li	11	11
	Notes:	SUBJ	NLPH	T0C	MTQ	GW Elev.	TPHd	TPHg	MTBE	TBA	BTEX	Ethanol	EDB	1,2-DCA	TAME	ETBE	DIPE	hg/L	I	v	æ	Ф	ပ	ס	Φ	•	5)	<u>.</u>	-

TABLE 3

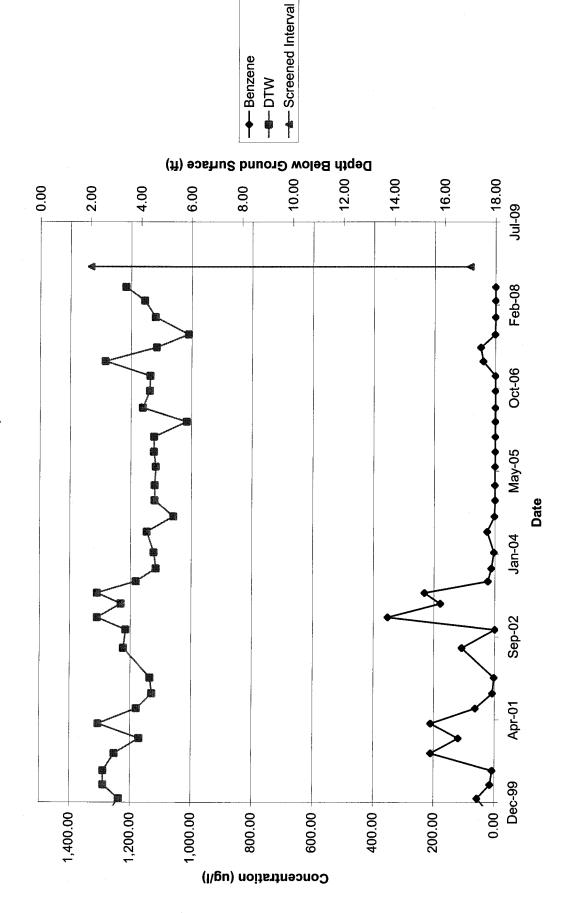
ADDITIONAL CUMULATIVE GROUNDWATER SAMPLING DATA
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EDB 1,2-DCA TAME TBA ETBE DIPE Ethanol	$(1/6\eta)$ $(1/6\eta)$ $(1/6\eta)$ $(1/6\eta)$ $(1/6\eta)$ $(1/6\eta)$	Well inaccessible.	Confirmatory value, calculated by EPA Method 8260B, for the sample with the highest value measured at the site by EPA Method 8020.	Diesel-range hydrocarbons reportedly detected in bailer blank; result is suspect.	Analysis of Method Blank indicated presence of diesel range hydrocarbons; sample not reported.	Sample container(s) broken; sample not analyzed.	Well was connected to remediation system during this event, no DTW and/or sample taken.	Insufficient water in well for sampling.	The TPHd sample was re-extracted outside of holding time due to low surrogate recovery. The re-extract surrogate recovery was 69%	and the DRO result was 246 μg/L.	Sample extract was contaminated in laboratory; insufficient sample was available for re-extraction.	Well connected to remediation system; sampled using no-purge method.	Well box flooded.	Hydrocarbon result elevated due to presence of single analyte peak in quantitation range.	Possible high bias; calibration verification falls outside acceptance criteria.	Laboratory QA/QC issues; ERI considers the result to be usable. Please refer to laboratory report for details.	Initial analysis performed within EPA recommended hold time. Re-analysis for dilution and/or confirmation performed past recommended hold time.	
Sampling	Date	11	11	II	II	11	n	II	Iì	11	11	11	11	II	Ħ	II	II	
Well	Q		¥		٤	c	0	۵	σ		L	Ø	+	5	>	*	×	

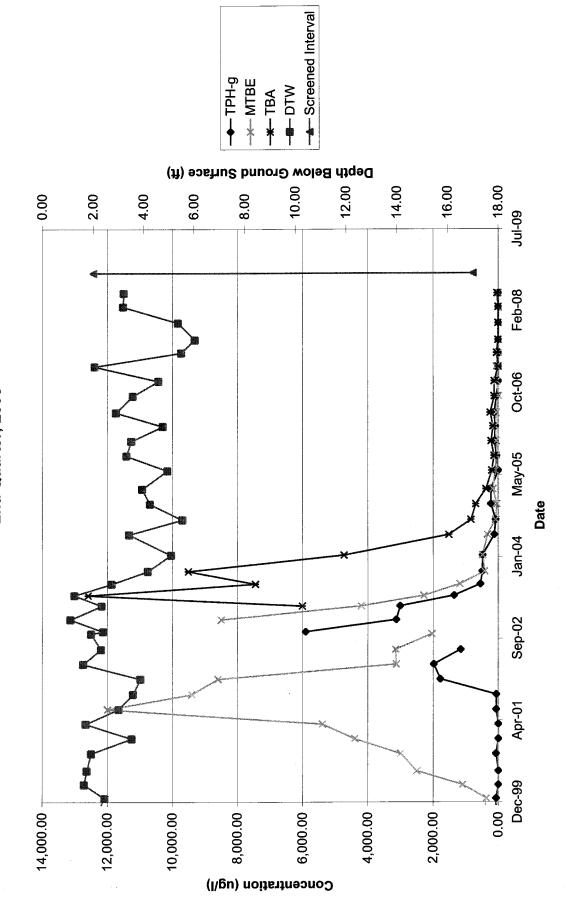
EA 1 Hydrographs 2nd Quarter, 2008



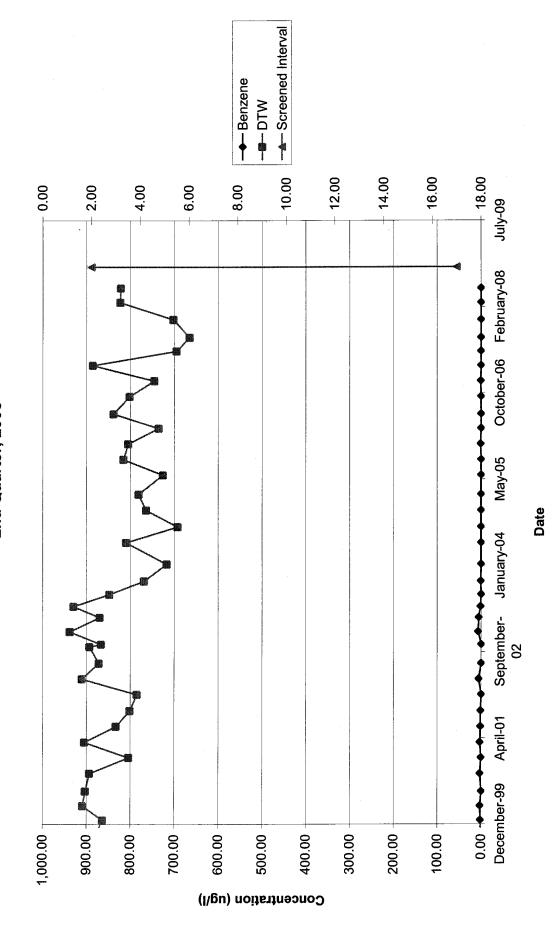
EA 1 Benzene Hydrograph 2nd Quarter, 2008



EA 2 Hydrographs 2nd Quarter, 2008



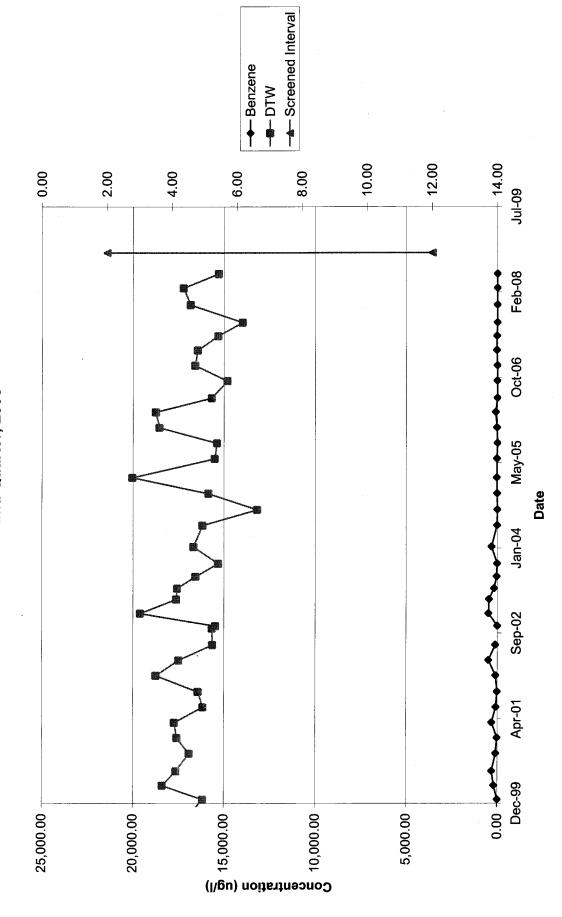
EA 2 Benzene Hydrograph 2nd Quarter, 2008



-*- Screened Interval → TPH-g MTBE —*****—TBA —**•**—DTW Depth Below Ground Surface (ft) 14.00 10.00 12.00 0.00 - 2.00 4.00 6.00 8.00 Jul-09 Feb-08 Oct-06 May-05 Date Jan-04 Sep-02 Apr-01 0.00 * Dec-99 60,000.00 90,000,00 40,000.00 30,000.00 20,000.00 10,000.00 80,000.00 70,000.00 50,000.00 Concentration (ug/I)

EA 3 Hydrographs 2nd Quarter, 2008

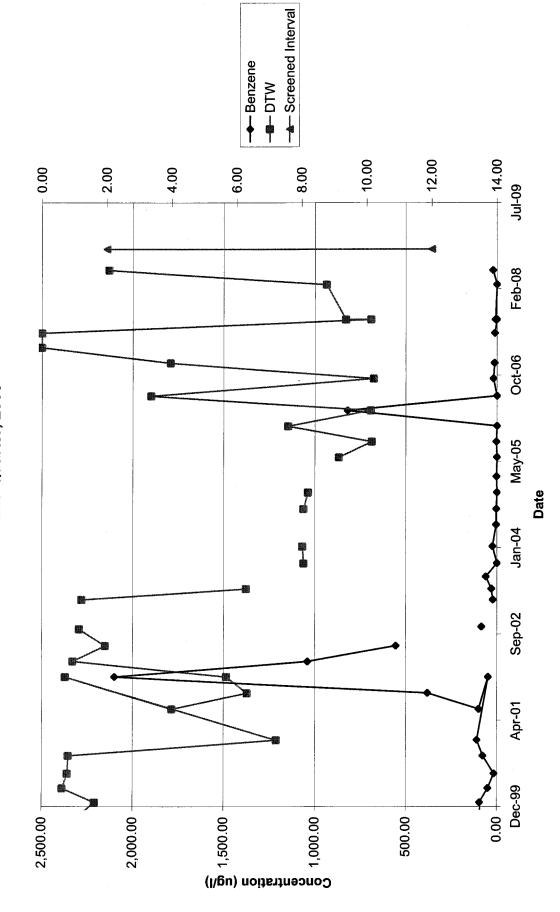
EA 3 Benzene Hydrograph 2nd Quarter, 2008



weed diff scall on some log -*- Screened Interval → TPH-g —*****—TBA —**•**—DTW Depth Below Ground Surface (ft) 12.00 14.00 10.00 0.00 2.00 6.00 8.00 4.00 90-Inc Feb-08 泰隆 Oct-06 May-05 Date Jan-04 Sep-02 Apr-01 Dec-99 0.00 800,000,008 900,000,006 200,000.00 100,000.00 700,000.00 600,000.00 500,000.00 400,000.00 300,000.00 Concentration (ug/I)

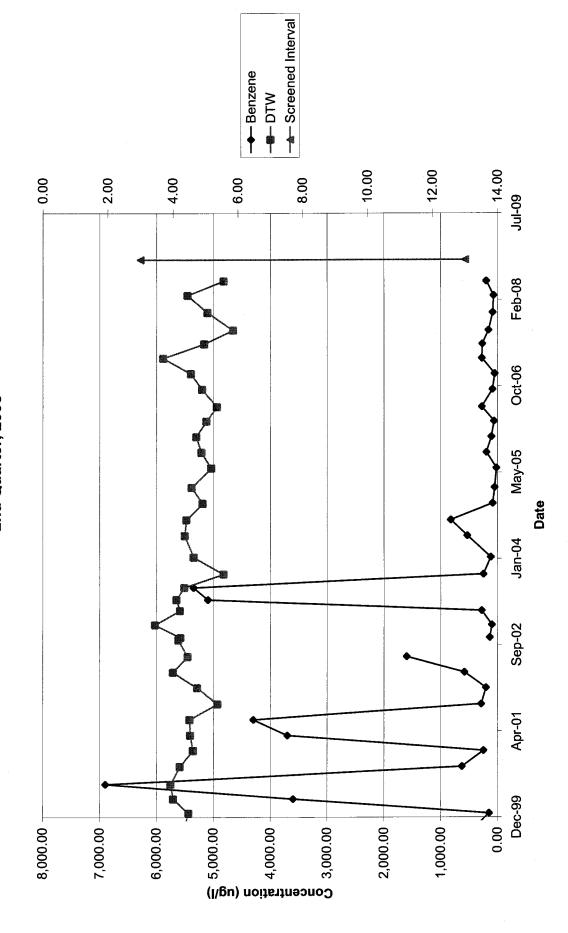
EA 5 Hydrographs 2nd Quarter, 2008

EA 5 Benzene Hydrograph 2nd Quarter, 2008

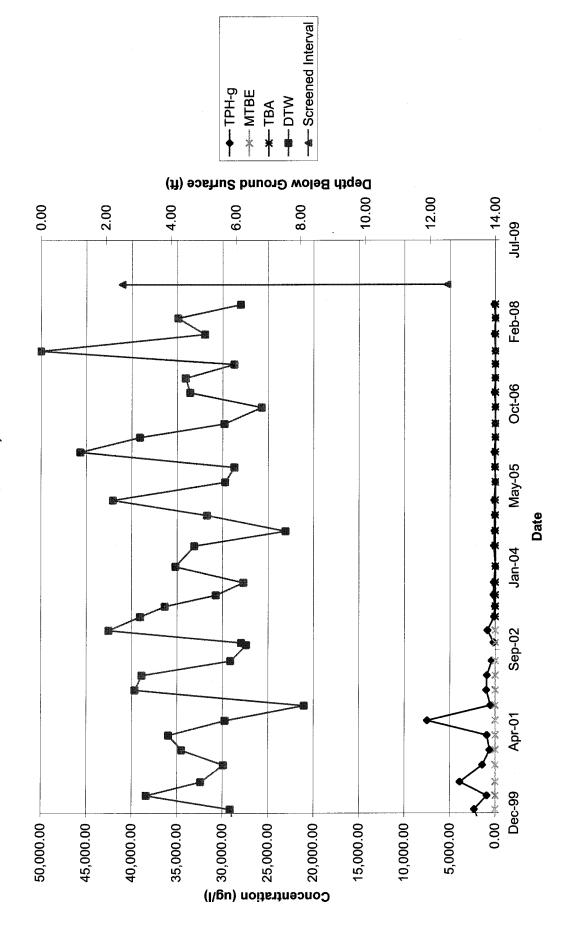


-*- Screened Interval — TPH-9 — ★ MTBE — ★ TBA — ■ DTW Depth Below Ground Surface (ft) 14.00 10.00 12.00 0.00 2.00 4.00 00.9 8.00 90-Inf Feb-08 Oct-06 EA 7 Hydrographs 2nd Quarter, 2008 May-05 Date Jan-04 Sep-02 Apr-01 Dec-99 0.00 20,000.00 10,000.00 80,000.00 70,000.00 60,000.00 50,000.00 40,000.00 30,000.00 Concentration (ug/I)

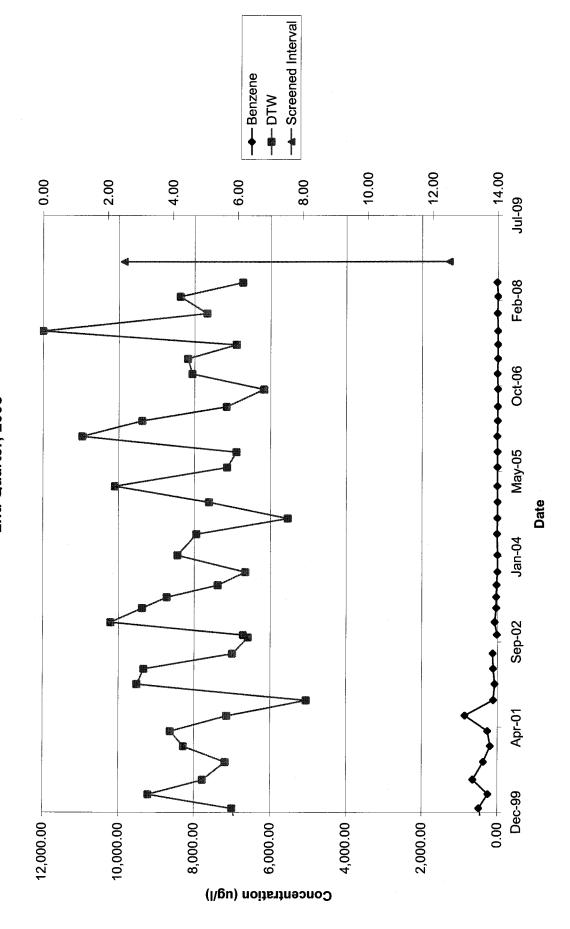
EA 7 Benzene Hydrograph 2nd Quarter, 2008



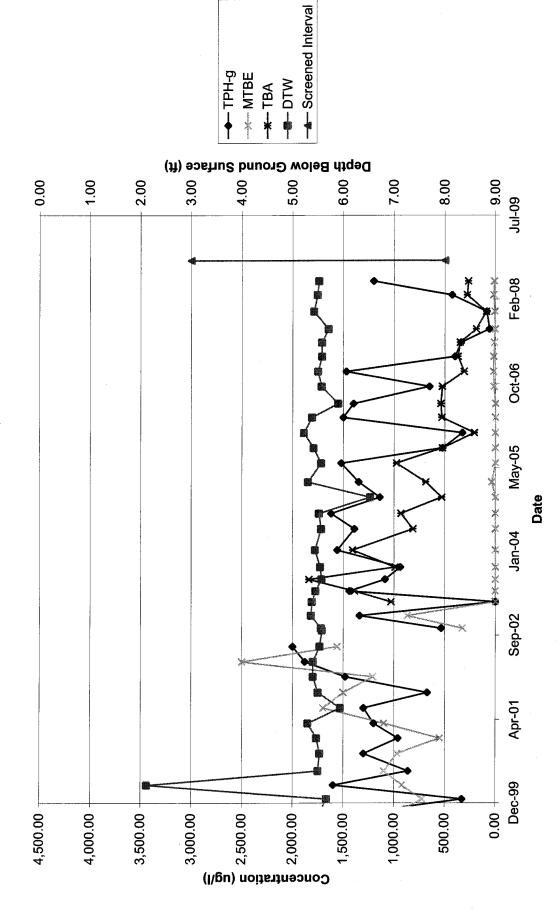
EA 8 Hydrographs 2nd Quarter, 2008



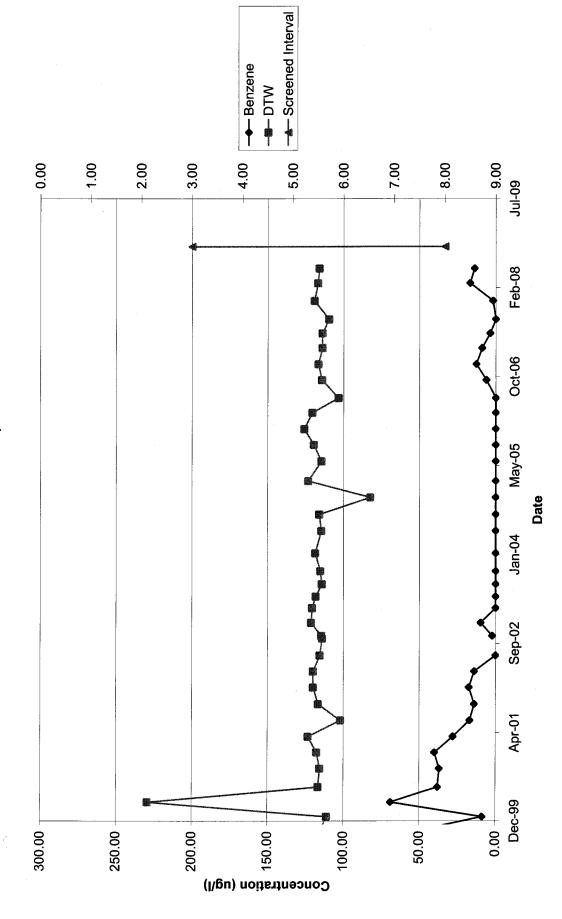
EA 8 Benzene Hydrograph 2nd Quarter, 2008



EA 9 Hydrographs 2nd Quarter, 2008



EA 9 Benzene Hydrograph 2nd Quarter, 2008

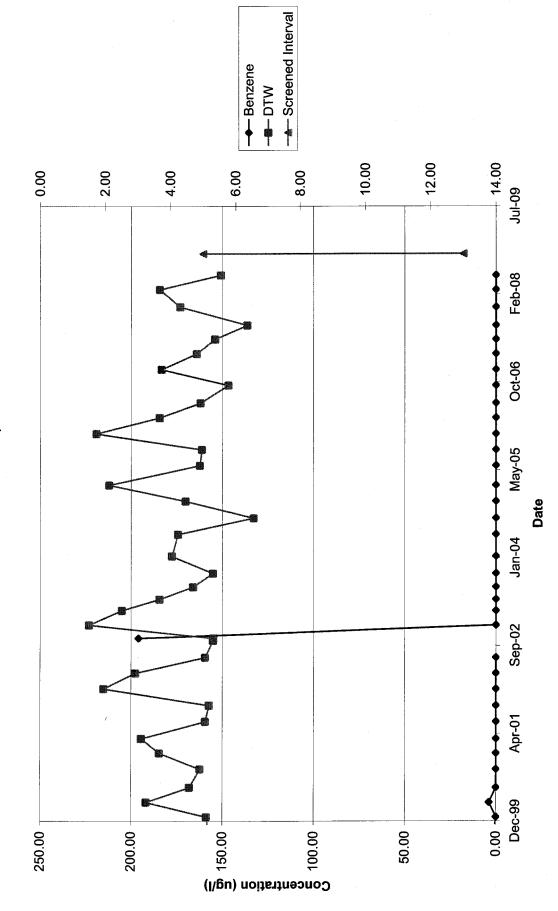


-*- Screened Interval ····≫····· MTBE → TPH-g —■—DTW Depth Below Ground Surface (ft) 14.00 10.00 12.00 0.00 + 2.00 4.00 9.00 8.00 90-Inc Feb-08 Oct-06 May-05 Jan-04 Sep-02 0.00 ** * * * * * * Apr-01 Dec-99 25,000.00 20,000.00 5,000.00

Date

EA 15 Hydrographs 2nd Quarter, 2008

EA 15 Benzene Hydrograph 2nd Quarter, 2008



WELL GAUGING, PURGING, AND SAMPLING

Prior to purging and sampling, static groundwater levels in each monitoring well are measured using an electric monitoring probe or, if free product is anticipated, an interface probe is used to measure product thickness and depth to groundwater.

Each well is then purged of at least three well casing volumes of water using a clean polyethylene bailer, down-hole pump, or other approved method. Measurements of pH, temperature, and electrical conductivity are recorded and purging is continued for every casing volume until pH, temperature, and electrical conductivity measurements are stable (i.e., within 0.1 pH units or 10%). Wells that dewater during purging are allowed to recharge to 80% of the original water column height or 1 hour prior to sampling. All purged water is discharged through an onsite groundwater treatment system or containerized in 55 gallon drums until removed from the site.

Once purging is complete, the well is allowed to recover to within 80% of its static condition (or until one hour has passed). As soon as sufficient volume is available, groundwater samples are retrieved using a disposable bailer, dedicated tubing, or via remediation system pumps. Water samples are collected in laboratory-provided Volatile Organic Analysis (VOA) vials with a Teflon-lined septum or other laboratory supplied containers appropriate for the analyses selected. VOA sample containers are examined to assess that no headspace is present then stored in a chilled ice chest or refrigerated at 4° Celsius until transported to a state-certified laboratory for appropriate chemical analysis. Cross-contamination between wells is avoided by taking a number of precautions, including purging and sampling wells in a specific sequence (cleanest to dirtiest) using disposable or dedicated bailers, or dedicated tubing, and new gloves and clean equipment for each well.

		GROUN	NDWATE	R MONIT	ORING W	ELL DATA			
Client: VALERO	- 13781					Date: 6.10.08			
Project No.: 300	0048		Site No.: 13781						
Site Location/Ad							W.J. Pacult	oa .	
		T							
	Depth to	Depth to			Measured Depth to	Well			
	Water	Product	Product	Product	Bottom of	Completion	Casing	e.	
Well Number	(BTOC in feet)	(BTOC in feet)	Thickness (feet)	Removed (Gallons)	Well (BTOC)	Depth (BGS)	Diameter (inches)	Screen Interval	
	1				40.00	47	4"	0.47	
EA1	3,39				16.38	17		2-17	
EA2	3.21				16.36	17	4"	2-17	
EA3	5,43				11.27	12	4"	2-12	
EA4	3.23				16.12	17	4"	2-17	
EA5	2.07				11.98	12	6"	2-12	
EA7	5,56				12.64	13	4"	3-13	
EA8	6.15				12.06	12.5	4"	2.5-12.5	
EA9	5.52				7.63	8	4"	3-8	
EA10	374				14.25	15	4"	5-15	
EA11	5.56				15.18	16	4"	6-16	
EA12	3.25				16.13	16.5	4"	6.5-16.5	
EA13	3,44				14.99	15	4"	5-15	
EA14	3.15				8.43	8.5	4"	3.5-8.5	
EA15	5.55				12.04	13	4"	5-13	
EA16	6.96				20.15	20.5	4"	5-20	
	·								



VALERO - 13781 - 2Q08

Project Name:

3000048-0003-206 W.J. Paculba Personnel: Project No: **GAUGING DATA** Water Level Measuring Method: WLM Measuring Point Description: TOC Multiplier for Casing Volume Total Purge Water Column Total Depth Depth to Water WELL PURGE Casing Diameter Volume (gal) (feet) (feet) (feet) (gal) VOLUME: CALCULATION 24.94 12,99 8.31 16.38 3.39 0.04 0.16 0.64 **PURGING DATA** Purge Method: (WATERRA) BAILER / SUB Screen Purge Rate: Purge Depth: (gpm) Time 11204 11:23 Volume Purge (gal) 17 8.5 **ZS.S** Temperature (C) 21.5 22.3 Ηα 4.51 6,60 1345 Spec.Cond.(umhos) 1454 -/cix Turbidity/Color lence N Odor (Y/N) 7 Dewatered (Y/N) Comments/Observations: WELL DEWITEKEN ® 18 GALLONS SAMPLING DATA 11:35 Approximate Depth to Water During Sampling: (feet) Time Sampled: Comments: Volume Filled Analysis Number of Turbidity/ Color Sample Number Container Type Preservative Method (mL or L) Containers EA₁ HCL **SEE COC** VOA 40ML 6 18 Total Purge Volume: Disposal: (gallons) Weather Conditions: CLERK, CLNW, FOF- YOF BOLTS Ν CAP & LOCK (TY Ν Condition of Well Box and Casing at Time of Sampling: Well Head Conditions Requiring Correction: **GROUT** CN **WELL BOX** Problems Encountered During Purging and Sampling: Wall Described Ν **SECURED** Ν Comments:

GROUNDWATER PURGE AND SAMPLE -

Well No: EA1

Date: 6.11.08



VALERO - 13781 - 2Q08

W.J. Paculba Personnel: Project No: 3000048-0003-206 **GAUGING DATA** WLM)/ Water Level Measuring Method(Measuring Point Description: TOC Total Purge Water Column Multiplier for Casing Volume Total Depth Depth to Water WELL PURGE Volume (gal) (feet) Casing Diameter (gal) (feet) (feet) VOLUME CALCULATION 4 2 (8.41 lle.36 3.21 13.15 Z5.24 0.04 0.16 0.64 **PURGING DATA** Purge Method: WATERRA BAILER / SUB Purge Rate: Purge Depth: Screen (gpm) 13:24 Volume Purge (gal) 8.5 Temperature (C) 21.2 рΗ 6.91 Spec.Cond.(umhos) 811 eur/eur Turbidity/Color Odor (Y/N) Dewatered (Y/N) Comments/Observations: WISL DEWATEKED @ 15 ganous **SAMPLING DATA** 14:10 Time Sampled: Approximate Depth to Water During Sampling: (feet) Comments: Volume Filled Analysis Number of Sample Number Preservative Turbidity/ Color Container Type Method Containers (mL or L) EA2 HCL **SEE COC** 6 VOA 40ML 15 Total Purge Volume: Disposal: (gallons) Weather Conditions: OLETHIC "SURVING TOF- SUF **BOLTS** CAP & LOCK Ν Condition of Well Box and Casing at Time of Sampling: CN Well Head Conditions Requiring Correction: **GROUT** Problems Encountered During Purging and Sampling: Were securious **WELL BOX** N **SECURED** Comments:

GROUNDWATER PURGE AND SAMPLE

Well No: EA2

Date: 6 · NOY



Project No:

VALERO - 13781 - 2Q08

3000048-0003-206

GAUGING DATA Water Level Measuring Method WLM Measuring Point Description: TOC Depth to Water Multiplier for Casing Volume Total Purge Total Depth Water Column WELL PURGE (feet) (feet) (feet) Casing Diameter (gal) Volume (gal) VOLUME CALCULATION 11.27 5,84 543 S.73 11.21 0.04 0.16 0.64 **PURGING DATA** Purge Method(WATERRA) BAILER / SUB Purge Depth: Screen Purge Rate: (gpm) Time S:5Z 9:02 Volume Purge (gal) + 12 ሄ Temperature (C) ている 21.7 pН 6.83 6.88 Spec.Cond.(umhos) 1507 1082 arlar ine lave Turbidity/Color P Odor (Y/N) Dewatered (Y/N) Comments/Observations: WELL DENATERED @ 8.5 SAMPLING DATA 7:15 Time Sampled: Approximate Depth to Water During Sampling: (feet) Comments: Number of Volume Filled Analysis Sample Number Turbidity/ Color Container Type Preservative Containers (mL or L) Method EA3 VOA HCL 6 40ML SEE COC Total Purge Volume: 8.5 (gallons) Disposal: (N) Weather Conditions: Custic Suling FOF- YOF BOLTS Condition of Well Box and Casing at Time of Sampling: CAP & LOCK Ν Well Head Conditions Requiring Correction: **GROUT** 1(N) Problems Encountered During Purging and Sampling: Were become to the problems Encountered During Purging and Sampling: **WELL BOX** Ν Comments: **SECURED** Ν

GROUNDWATER PURGE AND SAMPLE

Well No: EA3

Personnel:

W.J. Paculba

Date: 6.1108



GAUGING DATA

Project No:

VALERO - 13781 - 2Q08

3000048-0003-206

Water Level Measuring Method: WLM / Measuring Point Description: TOC Total Depth Depth to Water Water Column Multiplier for Casing Volume Total Purge WELL PURGE Volume (gal) Casing Diameter (gal) (feet) (feet) (feet) VOLUME CALCULATION 11.98 DZ,07 =)4z.81 7.91 14.27 0.04 0.16 0.64 **PURGING DATA** WATERRA / BAILER / SUB Purge Rate: Purge Method: Purge Depth: Screen (gpm) Time 12:27 12:48 12:35 Volume Purge (gal) 14.5 Z9.0 43,5 Temperature (C) 23,8 23.8 23,6 6.78 6.74 6.75 :pH Spec.Cond.(umhos) 947 739 930 at far cur /cure in lar Turbidity/Color Y Odor (Y/N) M Dewatered (Y/N) Comments/Observations: **SAMPLING DATA** 14:20 (feet) Time Sampled: Approximate Depth to Water During Sampling: Comments: Volume Filled Analysis Number of Turbidity/ Color Sample Number Container Type Preservative Method Containers (mL or L) **SEE COC** EA5 VOA HCL 40ML 6 Total Purge Volume: 43.5 Disposal: (gallons) \bigcirc **BOLTS** Ν Weather Conditions: TOF-80F \bigcirc CAP & LOCK Ν Condition of Well Box and Casing at Time of Sampling: (N) **GROUT** Well Head Conditions Requiring Correction: **WELL BOX** N Problems Encountered During Purging and Sampling: 13011 **SECURED** Comments:

GROUNDWATER PURGE AND SAMPLE -

Well No: EA5

W.J. Paculba

Personnel:

Date: Le-11-08



GAUGING DATA

Project No:

VALERO - 13781 - 2Q08

3000048-0003-206

Water Level Measuring Method: WLM /

Total Depth Depth to Water Water Column Multiplier for Casing Volume Total Purge **WELL PURGE** (feet) Casing Diameter Volume (gal) (feet) (feet) (gal) VOLUME: CALCULATION (-)5.56 12.64 400x 453 13,59 0.04 0.16 0.64 **PURGING DATA** Purge Method: WATERRA/BAILER / SUB Purge Rate: Purge Depth: Screen (gpm) Time 13:56 14-03 14:16 Volume Purge (gal) 5 70 15 Temperature (C) 24.4 23.4 23.4 6.73 4.70 6.70 Spec.Cond.(umhos) W 24 1135 1112 cue, صع cra Turbidity/Color on lave صرر Odor (Y/N) P 4 Dewatered (Y/N) Comments/Observations: **SAMPLING DATA** 14,20 Approximate Depth to Water During Sampling: (feet) Time Sampled: Comments: Volume Filled Number of Analysis Turbidity/ Color Sample Number Container Type Preservative Method (mL or L) Containers EA7 VOA HCL 40ML **SEE COC** 6 Total Purge Volume: 15 Disposal: (gallons) Weather Conditions: work Sunn 704.804 **BOLTS** N) Condition of Well Box and Casing at Time of Sampling: CAP & LOCK Ν **GROUT** CN Well Head Conditions Requiring Correction: **WELL BOX** Problems Encountered During Purging and Sampling: Ν **SECURED** Comments:

GROUNDWATER PURGE AND SAMPLE -

Well No: EA7

Personnel:

W.J. Paculba

Measuring Point Description: TOC

Date: 6.10.08



VALERO - 13781 - 2Q08

3000048-0003-206

Project Name:

Project No:

GAUGING DATA											
Water Level Me	asuring Method:	WLM) / IP		Measuring Point D	escription: TOC						
WELL PURGE VOLUME	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter	Casing Volume (gal)	Total Purge Volume (gal)					
CALCULATION	(I) Z) که. ای (591	1 2 4 6 0.04 0.16 0.64 1.44	3.78	11.34					
PURGING DATA											
Purge Method: WATERRA BAILER / SUB Purge Depth: Screen Purge Rate: (gpm)											
Time	9137	/	/								
Volume Purge (gal)	4-	8	12/								
Temperature (C)	17.8										
рH	8F.3										
Spec.Cond.(umhos)											
Turbidity/Color	sury/any										
Odor (Y/N)	4										
Dewatered (Y/N)	N	9									
Comments/Obser	vations:	0									
		Wal	dematered	@ 5 GALL	かい くりん						
SAMPLING DAT						(54)					
Time Sampled: Comments:	9150		Approximate Depti	n to Water During Sai	mpling: +	(feet)					
Comments.											
Sample Number	Number of Containers	Container Type	Préservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method					
EA8	6	VOA	HCL	40ML		SEE COC					
Total Purge Volu	Total Purge Volume: (gallons) Disposal:										
Weather Condition	Weather Conditions: CLERK RUNN FOF 80F BOLTS (V) N										
Condition of Wel	Box and Casing	at Time of Sampl	ling: 🌣 🕊		CAP & LOCK	Ŷ) / N					
Well Head Condi	Well Head Conditions Requiring Correction: Note GROUT Y / N										
Problems Encour	ntered During Pur	ging and Samplir	ng: Nove		WELL BOX	∑ / N					
Comments: SECURED (Y) / N											

GROUNDWATER PURGE AND SAMPLE -

Well No: **EA8**

Personnel:

W.J. Paculba

Date: 6.11.08



VALERO - 13781 - 2Q08

3000048-0003-206

Project Name:

Project No:

GAUGING DATA WLM Measuring Point Description: TOC Water Level Measuring Method. IΡ Multiplier for Casing Volume Total Purge Total Depth Depth to Water Water Column WELL PURGE Volume (gal) (feet) (feet) (feet) Casing Diameter (gal) VOLUME. CALCULATION 2 (5.5Z 1.35 4.05 7.63 2.11 0.04 0.16 0.64 **PURGING DATA** WATERRA / BAILER / SUB Purge Rate: Purge Method: Purge Depth: **Screen** (gpm) Time 13:26 Volume Purge (gal) 1.5 4.5 3. O Temperature (C) 24.4 рΗ 6.86 Spec.Cond.(umhos) 1175 ar /ur Turbidity/Color 4 Odor (Y/N) 4 Dewatered (Y/N) Comments/Observations: WOLL DEWATERED DZ GALLONS **SAMPLING DATA** Time Sampled: 13:40 Approximate Depth to Water During Sampling: (feet) Comments: Volume Filled Number of Analysis Turbidity/ Color Sample Number Container Type Preservative Containers (mL or L) Method EA9 HCL **SEE COC** VOA 40ML 6 Z Total Purge Volume: (gallons) Disposal: CN **BOLTS** Weather Conditions: CLEAR, SUNH FOF . YOF CAP & LOCK (Y) Condition of Well Box and Casing at Time of Sampling: Ν **GROUT** (N) Well Head Conditions Requiring Correction: **WELL BOX** Problems Encountered During Purging and Sampling: שמעם Ν **SECURED** Comments:

GROUNDWATER PURGE AND SAMPLE -

Well No: EA9

Personnel:

W.J. Paculba

Date: 6 10 08



Project Name: VALERO - 13781 - 2Q08

Project No:	3000048-0003	3-206	Personnel: W	.J. Paculba					
GAUGING DATA Water Level Measuring Method: WLM / IP Measuring Point Description: TOC									
WELL-PURGE VOLUME	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diamete	Casing Volume	Total Purge Volume (gal)			
CALCULATION	14:25 (3.74	D 651	1 2 4 6	76.72	Zo. (7			
PURGING DATA Purge Method: WATERRA / BAILER / SUB Purge Depth: Screen Purge Rate: (gpm)									
Time	12:34	12:53	/						
Volume Purge (gal)	74	14	21/						
Temperature (°C)	22.7	ZZ.7-							
ρH	0.77	L.74							
Spec.Cond.(umhos)	153Z	W41				·			
*Turbidity/Color	SILM BRU	SIM PA				·			
Odor (Y/N)	2	7							
Dewatered (Y/N)	7	2	4						
Comments/Obser	vations:	What in	60. /htm 5-10 C	D 15.5 GOL	1 - 13				
		VVELUE	CAORA CIOCI, C	3 10.3 760					
SAMPLING DAT	「A 13!い		A	h to Matau Dunian C	li '5	(foot)			
Time Sampled: Comments:	12.65		Approximate Depti	h to Water During S	ampling:	(feet)			
Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis *Method			
EA10	6	VOA	HCL	40ML		SEE COC			
				· · · · · · · · · · · · · · · · · · ·					
Total Purge Volu	me: 15.5	(gallons)		Disposal:	1				
		 	of. 80F	Disposal.	BOLTS	Y / (N)			
	Weather Conditions: CLERK SUFF BOLTS Y / N Condition of Well Box and Casing at Time of Sampling: CK CAP & LOCK Y / N								
Well Head Condi					GROUT	Y / (N)			
		- · · · · · · · · · · · · · · · · · · ·	ng: Well Dew	Arties	WELL BOX	D / N			
Comments:									

- GROUNDWATER PURGE AND SAMPLE -

Well No: **EA10**

Date: 6-10-08



Project Name:	VALERO - 13	781 - 2Q08	Well No: EA11	Dat	te: 6 10.08				
Project No:	3000048-0003	3-206		Personnel: W	/.J. Paculba				
GAUGING DATA									
Water Level Me	easuring Method:	WLM / IP		Measuring Point	Description: TO				
WELL PURGE VOLUME	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diamete	Casing Volumer (gal)	Total Purge Volume (gal)			
CALCULATION	15.18	5.56	9,62	1 2 4 6	6 44 Co.15	ि।४.५२ 			
PURGING DAT									
Purge Method:	WATERRA DBA	ILER / SUB	Purge Depth:	Screen Pu	urge Rate:	(gpm)			
Time	14:43	14:56/							
Volume Purge (gal)	۵.۵	13	19.5						
Temperature (C)	22-0								
Hq	المارين								
Spec, Cond. (umhos)	' ' '								
Turbidity/Color	curlan			·					
Odor (Y/N)	4								
Dewatered (Y/N)	2	7							
Comments/Obser	vations:		/						
		WELL D	ematered	@ 12 GA	- Lows				
SAMPLING DAT	ΓΛ								
Time Sampled:	15!6		Approximate Dept	h to Water During S	ampling: 7	(feet)			
Comments:				<u> </u>		` ,			
Sample Number	'Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Colo	r Analysis Method			
EA11	6	VOA	HCL	40ML		SEE COC			
Total Purge Volu	me: \Z	(gallons)		Disposal:					
Weather Condition	ons: dieve	summy For	- yor		BOLTS (D/N			
Condition of Well	l Box and Casing	at Time of Sampl	ling:		CAP & LOCK '				
Well Head Condi	itions Requiring C	orrection: US	NG.		GROUT	Y / (N)			
Problems Encour	ntered During Pu	ging and Samplir	ig: War o	SUMBRUD	WELL BOX	Ŵ / N			
Comments:					SECURED (Y / N			

- GROUNDWATER PURGE AND SAMPLE -



Project No:

VALERO - 13781 - 2Q08

3000048-0003-206

GAUGING DATA Water Level Measuring Method: WLM Measuring Point Description: TOC / IP Casing Volume Depth to Water Water Column Multiplier for Total Purge Total Depth WELL PURGE Volume (gal) (gal) Casing Diameter (feet) (feet) (feet) VOLUME CALCULATION (4) 2 6 8.24 3.25 (12.88 24.72 16.13 0.04 0.16 0.64 **PURGING DATA** WATERRA BAILER / SUB Purge Rate: Purge Depth: (gpm) Screen Purge Method: Time 15:37 Volume Purge (gal) 25,5 8.5 0. E1 Temperature (C) 27.6 77.26 Spec.Cond.(umhos) 2106 **ジェレアイ** Turbidity/Color Band Odor (Y/N) 4 Dewatered (Y/N) Comments/Observations: WELL DEWNTOKED OF 16.5 GILLOUS **SAMPLING DATA** 16:10 (feet) Approximate Depth to Water During Sampling: Time Sampled: Comments: Volume Filled Analysis Number of Container Type Turbidity/ Color Preservative Sample Number (mL or L) Method Containers VOA **HCL 40ML SEE COC EA12** 6 Total Purge Volume: 1 6.5 (gallons) Disposal: (N)**BOLTS** Weather Conditions: draw sunt FOF. YOF CAP & LOCK (Ν Condition of Well Box and Casing at Time of Sampling: •1 \odot **GROUT** Well Head Conditions Requiring Correction: None **WELL BOX** Ν Problems Encountered During Purging and Sampling: West Dewarenters **SECURED** Comments:

GROUNDWATER PURGE AND SAMPLE -

Well No: EA12

W.J. Paculba

Personnel:

Date: 6.1008



VALERO - 13781 - 2Q08

3000048-0003-206

Water Level Measuring Method: (WLM) /

Project Name:

GAUGING DATA

Project No:

Multiplier for Casing Volume Total Purge Depth to Water Water Column Total Depth **WELL PURGE** Volume (gal) (feet) (feet) (feet) Casing Diameter (gal) VOLUME CALCULATION (4) 14.99 5.44 9.55 (=)18.33 11.0 0.04 0.16 0.64 **PURGING DATA** Purge Method: WATERRA/BAILER / SUB Purge Rate: Purge Depth: (gpm) Screen Time 16:40 17103 Volume Purge (gal) 6.5 13,5 19.5 Temperature (C) ZZ.4 21.4 6.67 6.67 рΗ Spec.Cond.(umhos) 3999 >3999 Turbidity/Color /cir /cir_ Odor (Y/N) Dewatered (Y/N) Comments/Observations: 14 GALLOUS DENMENSO @ WELL SAMPLING DATA 17:15 (feet) Time Sampled: Approximate Depth to Water During Sampling: Comments: Volume Filled Analysis Number of Turbidity/ Color Sample Number Container Type Preservative Method (mL or L) Containers **SEE COC** HCL **EA13** VOA 40ML 6 14 Total Purge Volume: Disposal: (gallons) (N)**BOLTS** Weather Conditions: Swell For Yor CAP & LOCK Ν Condition of Well Box and Casing at Time of Sampling: N **GROUT** Well Head Conditions Requiring Correction: **WELL BOX** Ν Problems Encountered During Purging and Sampling: WELL DEWINGKEY **SECURED** Comments:

GROUNDWATER PURGE AND SAMPLE -

Well No: EA13

Personnel:

W.J. Paculba

Measuring Point Description: TOC

Date: しいしいと



GAUGING DATA

Project No:

VALERO - 13781 - 2Q08

3000048-0003-206

Water Level Measuring Method: WLM Multiplier for Casing Volume Total Purge Depth to Water Water Column **Total Depth** WELL PURGE Casing Diameter Volume (gal) (feet) (feet) (feet) (gal) VOLUME CALCULATION 3.37 (3.15 10.13 8.43 5.28 0.04 0.16 0.64 **PURGING DATA** WATERRA LEAILER / SUB Purge Rate: Purge Depth: Screen (gpm) Purge Method: Time 7:28 7147 3.5 Volume Purge (gal) W.5 マーク Temperature (C) 725 21.9 pΗ TA 11 7.23 Spec.Cond.(umhos) 1411 vez1 chr. cre Turbidity/Color /ore /ar Odor (Y/N) N Dewatered (Y/N) N Comments/Observations: WELL DEWOTEKETS @ 7.5 GALLOWS SAMPLING DATA Y 1-50 (feet) Approximate Depth to Water During Sampling: Time Sampled: Comments: Volume Filled Analysis Number of Turbidity/ Color Sample Number Container Type Preservative Method (mL or L) Containers SEE COC HCL **EA14** VOA 40ML 6 Total Purge Volume: 3-5 Disposal: (gallons) Weather Conditions: acta 1 34NM ・ みのドーソッド (\mathcal{R}) **BOLTS** CAP & LOCK 🗘 🗸 Ν Condition of Well Box and Casing at Time of Sampling: W **GROUT** Well Head Conditions Requiring Correction: Nove **WELL BOX** Ν Problems Encountered During Purging and Sampling: Water Designation **SECURED** Comments:

GROUNDWATER PURGE AND SAMPLE -

Well No: EA14

Personnel:

W.J. Paculba

Measuring Point Description: TOC

Date: C. 11.08



Project No:

VALERO - 13781 - 2Q08

3000048-0003-206

GAUGING DATA Water Level Measuring Method: (WLM) Measuring Point Description: TOC Total Depth Multiplier for Casing Volume Total Purge Depth to Water Water Column WELL PURGE (feet) (feet) (feet) Casing Diameter (gal) Volume (gal) VOLUME CALCULATION 4 12.04 4.15 1246 22.2 6.49 0.04 0.16 0.64 **PURGING DATA** WATERRA/BAILER/SUB Purge Rate: Purge Method: Purge Depth: Screen (gpm) 8:20 Time Volume Purge (gal) 45 135 حبه Temperature (C) рΗ 6.98 Spec.Cond.(umhos) 2345 are Turbidity/Color leur Odor (Y/N) 4 Dewatered (Y/N) Comments/Observations: WELL DOWARDSO @ GALLONS **SAMPLING DATA** 8:35 Approximate Depth to Water During Sampling: Time Sampled: Comments: Analysis Volume Filled Number of Turbidity/ Color Sample Number Container Type Preservative Method Containers (mL or L) **EA15** 6 VOA HCL 40ML **SEE COC** \leq Total Purge Volume: (gallons) Disposal: **BOLTS** Ν Weather Conditions: Curry, Surry Joe, 80F CAP & LOCK Ν Condition of Well Box and Casing at Time of Sampling: 61/4 **GROUT** (N Well Head Conditions Requiring Correction: NEWS Problems Encountered During Purging and Sampling: Were beneficial **WELL BOX** Ν **SECURED** Ν Comments:

GROUNDWATER PURGE AND SAMPLE -

Well No: EA15

W.J. Paculba

Personnel:

Date: 6.11.08



Comments:

- GROUNDWATER PURGE AND SAMPLE -Date: 6.11.08 Well No: EA16 Project Name: VALERO - 13781 - 2Q08 W.J. Paculba Personnel: Project No: 3000048-0003-206 **GAUGING DATA** Measuring Point Description: TOC Water Level Measuring Method: WLM IΡ Casing Volume Total Purge Multiplier for Depth to Water Water Column Total Depth WELL PURGE Casing Diameter Volume (gal) (feet) (feet) (feet) (gal) VOLUME CALCULATION 2 (X.44 € 6.9L 13.19 75.37 ZUIS 0.04 0.16 0.64 **PURGING DATA** (WATERRA / BAILER / SUB Purge Depth: Screen Purge Rate: (gpm) Purge Method: Time W: W W: 29 Volume Purge (gal) Z5.5 8.5 17.0 Temperature (C) المارتيات Z0.8 6.40 pН 6.33 Spec.Cond.(umhos) 865 sury/amy 7147 Turbidity/Color any Odor (Y/N) Dewatered (Y/N) Comments/Observations: WELL Z DOWNTORSTO GALLONS **SAMPLING DATA** W=145 Approximate Depth to Water During Sampling: (feet) Time Sampled: Comments: Volume Filled Analysis Number of Turbidity/ Color Sample Number Container Type Preservative Method (mL or L) Containers HCL 40ML SEE COC **EA16** VOA 6 70 Disposal: Total Purge Volume: (gallons) Weather Conditions: CLEME. SWUM FOF. YOK **BOLTS** Ν CAP & LOCK Ν Condition of Well Box and Casing at Time of Sampling: N **GROUT** Well Head Conditions Requiring Correction: りゅんら Problems Encountered During Purging and Sampling: www.compared During Purging and Sampling: **WELL BOX**

SECURED



Report Number: 63193

Date: 06/19/2008

Mark Peterson Groundwater & Environmental Services, Inc. 5046 Commercial Circle Concord, CA 94520

Subject: 14 Water Samples

Project Name: Valero - 13781 - 1Q08

Project Number: 3000048

Dear Mr. Peterson,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Report Number: 63193

Date: 06/19/2008

Project Name : Valero - 13781 - 1Q08

Project Number: 3000048

Sample: EA1

Matrix: Water

Lab Number: 63193-01

Sample Date :06/11/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/19/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/19/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/19/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/19/2008
Methyl-t-butyl ether (MTBE)	7.4	0.50	ug/L	EPA 8260B	06/19/2008
Tert-Butanol	1500	5.0	ug/L	EPA 8260B	06/19/2008
TPH as Gasoline	120	50	ug/L	EPA 8260B	06/19/2008
1,2-Dichloroethane-d4 (Surr)	98.3		% Recovery	EPA 8260B	06/19/2008
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	06/19/2008
TPH as Diesel	230	50	ug/L	M EPA 8015	06/14/2008
Octacosane (Diesel Surrogate)	119		% Recovery	M EPA 8015	06/14/2008

Approved By:

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800



Project Name: Valero - 13781 - 1Q08

Project Number: 3000048

Sample Date :06/11/2008

Sample: EA2

Matrix: Water

Lab Number: 63193-02

Report Number: 63193 Date: 06/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Methyl-t-butyl ether (MTBE)	4.8	0.50	ug/L	EPA 8260B	06/17/2008
Tert-Butanol	40	5.0	ug/L	EPA 8260B	06/17/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/17/2008
1,2-Dichloroethane-d4 (Surr)	97.2		% Recovery	EPA 8260B	06/17/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	06/17/2008
TPH as Diesel	< 50	50	ug/L	M EPA 8015	06/14/2008
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	06/14/2008

Approved By:

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800



Date: 06/19/2008

Project Name: Valero - 13781 - 1Q08

Project Number: 3000048

Sample: EA3

Matrix: Water

Lab Number: 63193-03

Sample Date :06/11/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Methyl-t-butyl ether (MTBE)	13	0.50	ug/L	EPA 8260B	06/17/2008
Tert-Butanol	56	5.0	ug/L	EPA 8260B	06/17/2008
TPH as Gasoline	320	50	ug/L	EPA 8260B	06/17/2008
1,2-Dichloroethane-d4 (Surr)	99.2		% Recovery	EPA 8260B	06/17/2008
Toluene - d8 (Surr)	97.9		% Recovery	EPA 8260B	06/17/2008
TPH as Diesel (Note: MRL increased due to interferen	< 600 nce from Gasoline	600 -range hydrod	ug/L carbons.)	M EPA 8015	06/14/2008
Octacosane (Diesel Surrogate)	111		% Recovery	M EPA 8015	06/14/2008

Approved By:



Date: 06/19/2008

Project Name: Valero - 13781 - 1Q08

Project Number: 3000048

Sample: EA5

Matrix: Water

Lab Number: 63193-04

Sample	e Date	:06/11	1/2008
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Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	22	0.50	ug/L	EPA 8260B	06/17/2008
Toluene	1.9	0.50	ug/L	EPA 8260B	06/17/2008
Ethylbenzene	0.78	0.50	ug/L	EPA 8260B	06/17/2008
Total Xylenes	2.0	0.50	ug/L	EPA 8260B	06/17/2008
Methyl-t-butyl ether (MTBE)	120	0.50	ug/L	EPA 8260B	06/17/2008
Tert-Butanol	880	5.0	ug/L	EPA 8260B	06/17/2008
TPH as Gasoline	420	50	ug/L	EPA 8260B	06/17/2008
1,2-Dichloroethane-d4 (Surr)	97.4		% Recovery	EPA 8260B	06/17/2008
Toluene - d8 (Surr)	96.8		% Recovery	EPA 8260B	06/17/2008
TPH as Diesel	320	50	ug/L	M EPA 8015	06/14/2008
Octacosane (Diesel Surrogate)	105		% Recovery	M EPA 8015	06/14/2008

Approved By:



Date: 06/19/2008

Project Name: Valero - 13781 - 1Q08

Project Number: 3000048

Sample: EA7

Matrix: Water

Lab Number: 63193-05

Sample Date :06/10/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	200	0.50	ug/L	EPA 8260B	06/17/2008
Toluene	16	0.50	ug/L	EPA 8260B	06/17/2008
Ethylbenzene	21	0.50	ug/L	EPA 8260B	06/17/2008
Total Xylenes	24	0.50	ug/L	EPA 8260B	06/17/2008
Methyl-t-butyl ether (MTBE)	140	0.50	ug/L	EPA 8260B	06/17/2008
Tert-Butanol	570	5.0	ug/L	EPA 8260B	06/17/2008
TPH as Gasoline	2100	50	ug/L	EPA 8260B	06/17/2008
1,2-Dichloroethane-d4 (Surr)	91.5		% Recovery	EPA 8260B	06/17/2008
Toluene - d8 (Surr)	93.2		% Recovery	EPA 8260B	06/17/2008
TPH as Diesel	< 400	400	ug/L	M EPA 8015	06/14/2008
(Note: MRL increased due to interference	e from Gasoline-	range hydro	carbons.)		
Octacosane (Diesel Surrogate)	117		% Recovery	M EPA 8015	06/14/2008

Approved By:

Joel Kiff



Project Name: Valero - 13781 - 1Q08

Project Number: 3000048

Report Number: 63193

Date: 06/19/2008

Sample: EA8

Matrix: Water

Lab Number : 63193-06

Sample Date :06/11/2008

Sample Date :06/11/2008		Mathad			
Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	22	0.50	ug/L	EPA 8260B	06/19/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/19/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/19/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/19/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/19/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/19/2008
TPH as Gasoline	120	50	ug/L	EPA 8260B	06/19/2008
1,2-Dichloroethane-d4 (Surr)	99.4		% Recovery	EPA 8260B	06/19/2008
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	06/19/2008
TPH as Diesel	130	50	ug/L	M EPA 8015	06/14/2008
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	06/14/2008

Approved By:

Joel Kiff



Date: 06/19/2008

Project Name: Valero - 13781 - 1Q08

Project Number: 3000048

Sample: EA9

Matrix: Water

Lab Number : 63193-07

Sample Date :06/10/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	14	0.50	ug/L	EPA 8260B	06/18/2008
Toluene	2.3	0.50	ug/L	EPA 8260B	06/18/2008
Ethylbenzene	1.0	0.50	ug/L	EPA 8260B	06/18/2008
Total Xylenes	3.2	0.50	ug/L	EPA 8260B	06/18/2008
Methyl-t-butyl ether (MTBE)	13	0.50	ug/L	EPA 8260B	06/18/2008
Tert-Butanol	270	5.0	ug/L	EPA 8260B	06/18/2008
TPH as Gasoline	1200	50	ug/L	EPA 8260B	06/18/2008
1,2-Dichloroethane-d4 (Surr)	96.5		% Recovery	EPA 8260B	06/18/2008
Toluene - d8 (Surr)	96.2		% Recovery	EPA 8260B	06/18/2008
TPH as Diesel	< 200	200	ug/L	M EPA 8015	06/14/2008
(Note: MRL increased due to interfere	nce from Gasoline-	range hydrod	carbons.)		
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	06/14/2008

Approved By:

Joel Kiff



Date: 06/19/2008

Project Name : Valero - 13781 - 1Q08

Project Number: 3000048

Sample: EA10

Matrix : Water

Lab Number : 63193-08

Sample Date :06/10/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Methyl-t-butyl ether (MTBE)	1.1	0.50	ug/L	EPA 8260B	06/17/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/17/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/17/2008
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	06/17/2008
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	06/17/2008
TPH as Diesel	< 50	50	ug/L	M EPA 8015	06/14/2008
Octacosane (Diesel Surrogate)	108		% Recovery	M EPA 8015	06/14/2008

Approved By:



Project Name : Valero - 13781 - 1Q08

Project Number: 3000048

Matrix : Water

Lab Number: 63193-09

Report Number: 63193

Date: 06/19/2008

Sample Date :06/10/2008

Sample: EA11

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Methyl-t-butyl ether (MTBE)	15	0.50	ug/L	EPA 8260B	06/17/2008
Tert-Butanol	9.1	5.0	ug/L	EPA 8260B	06/17/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/17/2008
1,2-Dichloroethane-d4 (Surr)	99.5		% Recovery	EPA 8260B	06/17/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	06/17/2008
TPH as Diesel	140	50	ug/L	M EPA 8015	06/14/2008
Octacosane (Diesel Surrogate)	111		% Recovery	M EPA 8015	06/14/2008

Approved By:

Joel Kiff



Project Name: Valero - 13781 - 1Q08

Project Number: 3000048

Date: 06/19/2008

Report Number: 63193

Sample: EA12

Matrix: Water

Lab Number: 63193-10

Sample Date :06/10/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/17/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/17/2008
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	06/17/2008
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	06/17/2008
TPH as Diesel	< 50	50	ug/L	M EPA 8015	06/14/2008
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	06/14/2008

Approved By:



Project Name : Valero - 13781 - 1Q08

Project Number: 3000048

Report Number: 63193

Date: 06/19/2008

Sample: EA13

Matrix: Water

Lab Number : 63193-11

Sample Date :06/10/2008

Sample Date .00/ 10/2000					
Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/17/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/17/2008
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	06/17/2008
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	06/17/2008
TPH as Diesel	99	50	ug/L	M EPA 8015	06/16/2008
Octacosane (Diesel Surrogate)	110		% Recovery	M EPA 8015	06/16/2008

Approved By:

Joel Kiff



Project Name : Valero - 13781 - 1Q08

Project Number: 3000048

Report Number: 63193

Date: 06/19/2008

Sample: EA14

Matrix: Water

Lab Number : 63193-12

Sample Date :06/11/2008

Sample Date :06/11/2008		N.A - 411			
Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/18/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/18/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/18/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/18/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/18/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/18/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/18/2008
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	06/18/2008
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	06/18/2008
TPH as Diesel	< 50	50	ug/L	M EPA 8015	06/14/2008
Octacosane (Diesel Surrogate)	111		% Recovery	M EPA 8015	06/14/2008

Approved By:



Project Name: Valero - 13781 - 1Q08

Project Number: 3000048

Report Number: 63193

Date: 06/19/2008

Sample: EA15

Matrix: Water

Lab Number: 63193-13

Sample Date :06/11/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/18/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/18/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/18/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/18/2008
Methyl-t-butyl ether (MTBE)	0.98	0.50	ug/L	EPA 8260B	06/18/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/18/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/18/2008
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	06/18/2008
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	06/18/2008
TPH as Diesel	180	50	ug/L	M EPA 8015	06/14/2008
Octacosane (Diesel Surrogate)	104		% Recovery	M EPA 8015	06/14/2008

Approved By:



Project Name: Valero - 13781 - 1Q08

Project Number: 3000048

Sample: EA16

Matrix: Water

Lab Number : 63193-14

Report Number: 63193 Date: 06/19/2008

Sample Date :06/11/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Methyl-t-butyl ether (MTBE)	16	0.50	ug/L	EPA 8260B	06/17/2008
Tert-Butanol	45	5.0	ug/L	EPA 8260B	06/17/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/17/2008
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	06/17/2008
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	06/17/2008
TPH as Diesel	< 50	50	ug/L	M EPA 8015	06/17/2008
Octacosane (Diesel Surrogate)	93.7		% Recovery	M EPA 8015	06/17/2008

Approved By:

QC Report: Method Blank Data

Report Number: 63193 Date: 06/19/2008

Project Name : Valero - 13781 - 1Q08

Project Number: 3000048

		Method						Method			
Parameter	Measured Value	Reporting Limit	g Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Reporting Limit	g Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ng/L	M EPA 8015	06/14/2008	Benzene	< 0.50	0.50	ng/L	EPA 8260B	06/18/2008
Octacosane (Diesel Surrogate)	102		%	M EPA 8015 06/14/2008	06/14/2008	Ethylbenzene	< 0.50	0.50	ng/L	EPA 8260B	06/18/2008
						Toluene	< 0.50	0.50	ng/L	EPA 8260B	06/18/2008
TPH as Diesel	< 50	50	ng/L	M EPA 8015 06/16/2008	06/16/2008	Total Xylenes	< 0.50	0.50	ng/L	EPA 8260B	06/18/2008
Octacosane (Diesel Surrogate)	107		%	M EPA 8015	06/16/2008	Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/18/2008
						Tert-Butanol	< 5.0	5.0	ng/L	EPA 8260B	06/18/2008
TPH as Diesel	< 50	50	ng/L	M EPA 8015	06/17/2008	TPH as Gasoline	< 50	20	ng/L	EPA 8260B	06/18/2008
Octacosane (Diesel Surrogate)	101		%	M EPA 8015	06/17/2008	1,2-Dichloroethane-d4 (Surr)	0.76		%	EPA 8260B	06/18/2008
						Toluene - d8 (Surr)	9.76		%	EPA 8260B	06/18/2008
Benzene	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008						
Ethylbenzene	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008	Benzene	< 0.50	0.50	ng/L	EPA 8260B	06/18/2008
Toluene	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008	Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/18/2008
Total Xylenes	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008	Toluene	< 0.50	0.50	ng/L	EPA 8260B	06/18/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008	Total Xylenes	< 0.50	0.50	ng/L	EPA 8260B	06/18/2008
Tert-Butanol	< 5.0	5.0	ng/L	EPA 8260B	06/17/2008	Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ng/L	EPA 8260B	06/18/2008
TPH as Gasoline	< 50	20	ug/L	EPA 8260B	06/17/2008	Tert-Butanol	< 5.0	5.0	ng/L	EPA 8260B	06/18/2008
1,2-Dichloroethane-d4 (Surr)	107		%	EPA 8260B	06/17/2008	TPH as Gasoline	< 50	20	ng/L	EPA 8260B	06/18/2008
Toluene - d8 (Surr)	105		%	EPA 8260B	06/17/2008	1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	06/18/2008
						Toluene - d8 (Surr)	96.6		%	EPA 8260B	06/18/2008
Benzene	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008						
Ethylbenzene	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008	Benzene	< 0.50	0.50	ng/L	EPA 8260B	06/18/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008	Ethylbenzene	< 0.50	0.50	ng/L	EPA 8260B	06/18/2008
Total Xylenes	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008	Toluene	< 0.50	0.50	ng/L	EPA 8260B	06/18/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008	Total Xylenes	< 0.50	0.50	ng/L	EPA 8260B	06/18/2008
Tert-Butanol	< 5.0	5.0	ng/L	EPA 8260B	06/17/2008	Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ng/L	EPA 8260B	06/18/2008
TPH as Gasoline	< 50	50	ng/L	EPA 8260B	06/17/2008	Tert-Butanol	< 5.0	5.0	ng/L	EPA 8260B	06/18/2008
1,2-Dichloroethane-d4 (Surr)	99.2		%	EPA 8260B	06/17/2008	TPH as Gasoline	< 50	20	ng/L	EPA 8260B	06/18/2008
Toluene - d8 (Surr)	97.5		%	EPA 8260B	06/17/2008	1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	06/18/2008

Approved By: Joel

EPA 8260B 06/18/2008

%

8.76

Toluene - d8 (Surr)

KIFF ANALYTICAL, LLC

QC Report: Method Blank Data

Project Name : Valero - 13781 - 1Q08

Project Number: 3000048

		Method			
Parameter	Measured Value	Reporting Limit	' Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ua/L	FPA 8260B	06/17/2008
Ethylbenzene	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008
Toluene	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008
Total Xylenes	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Tert-Butanol	< 5.0	5.0	ng/L	EPA 8260B	06/17/2008
TPH as Gasoline	< 50	20	ng/L	EPA 8260B	06/17/2008
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	06/17/2008
Toluene - d8 (Surr)	103		%	EPA 8260B	06/17/2008
Benzene	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008
Ethylbenzene	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008
Toluene	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008
Total Xylenes	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/17/2008
Tert-Butanol	< 5.0	5.0	ng/L	EPA 8260B	06/17/2008
TPH as Gasoline	< 50	20	ng/L	EPA 8260B	06/17/2008
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	06/17/2008
Toluene - d8 (Surr)	102		%	EPA 8260B	06/17/2008
Benzene	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008
Ethylbenzene	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008
Toluene	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008
Total Xylenes	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ng/L	EPA 8260B	06/17/2008
Tert-Butanol	< 5.0	5.0	ng/L	EPA 8260B	06/17/2008
TPH as Gasoline	< 50	50	ng/L	EPA 8260B	06/17/2008
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	06/17/2008
Toluene - d8 (Surr)	99.2		%	EPA 8260B	06/17/2008

Report Number: 63193

Date: 06/19/2008

Date Analyzed

Analysis Method

Method Reporting Limit Units

Measured Value

Parameter

Approved By: Joel

KIFF ANALYTICAL, LLC

QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number: 63193

Date: 06/19/2008

Project Name: Valero - 13781 - 1Q08

Project Number: 3000048

Relative Percent Diff. Limit	10	16	10	10	10	10	10	10	10	10	10		10		10	
	0 25	0 25	0 25	0 25	0 25	0 25	0 25	0 25	0 25	0 25	0 25	0 25	0 25	0 25	0 25	0 25
Spiked Sample re Percent nt Recov. Limit	70-130	70-130	70-130	70-130	70-130	70-130	70-130	70-130	70-130	70-130	70-130	70-130	70-130	70-130	70-130	70-130
Relative Percent Point	1.67	1.45	4.14	0.527	1.34	1.28	1.42	2.28	0.795	0.372	2.34	1.68	0.618	4.33	1.87	3.75
Duplicate Spiked Sample F Percent F Recov. C	107	109	102	93.9	85.3	102	95.8	92.8	93.7	98.2	92.5	90.3	86.5	91.7	200.7	95.8
Spiked Sample Percent Recov.	105	108	8.76	94.4	84.2	103	97.1	94.9	92.9	98.6	94.6	91.8	86.0	95.8	92.4	99.4
Date Analyzed	6/14/08	6/16/08	6/17/08	6/11/08	6/17/08	6/17/08	6/17/08	6/17/08	6/17/08	6/17/08	6/17/08	6/18/08	6/18/08	6/18/08	6/18/08	6/18/08
Analysis Method	M EPA 8015	M EPA 8015	M EPA 8015	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B
Units	ng/L	ng/L	ng/L	ng/L	ng/L			ng/L	ng/L			ug/L	ng/L	ng/L	ng/L	ng/L
Duplicate Spiked Sample Value	1070	1090	1020	37.7	39.0	244	37.9	37.2	39.0	236	36.6	36.2	34.7	183	35.8	38.4
Spiked Sample Value	1050	1080	826	37.8	38.5	246	38.3	38.1	38.7	237	37.4	36.8	34.5	192	36.5	39.9
Spike Dup. Level	1000	1000	1000	40.1	40.1	200	39.5	40.1	40.1	200	39.5	40.1	40.1	200	39.5	40.1
Spike Level	1000	1000	1000	40.0	40.0	200	39.5	40.1	40.1	200	39.5	40.1	40.1	200	39.5	40.1
Sample Value	<50	<50	<50	<0.50	4 .8	40	<0.50	<0.50	7.5	40	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50
Spiked Sample	BLANK	BLANK	BLANK	63193-02	- 63193-02	63193-02	63193-02	63148-03	63148-03	63148-03	63148-03	63242-01	63242-01	63242-01	63242-01	63242-04 <0.50
Parameter	TPH as Diesel	TPH as Diesel	TPH as Diesel	Benzene	Methyl-t-butyl ether 63193-02	Tert-Butanol	Toluene	Benzene	Methyl-t-butyl ether 63148-03	Tert-Butanol	Toluene	Benzene	Methyl-t-butyl ether 63242-01	Tert-Butanol	Toluene	Benzene

Approved By: Joe Kiff

KIFF ANALYTICAL, LLC

QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number: 63193

Date: 06/19/2008

Project Name: Valero - 13781 - 1Q08

Project Number: 3000048

Relative Percent Diff. Limit	25	25	25	25	25	25	25		25	25	25	25	25	25	25	25		25	25	25	25
Spiked Sample Percent Recov.	70-130	70-130	70-130	70-130	70-130	70-130	70-130		70-130	70-130	70-130	70-130	70-130	70-130	70-130	70-130		70-130	70-130	70-130	70-130
Relative Percent I	0.102	2.25	3.94	0.477	2.59	0.702	1.59		3.23	5.74	0.710	1.75	1.62	2.00	1.69	2.40	,	2.63	2.06	0.315	2.64
Duplicate Spiked Sample F Percent P	71.4	101	95.5	102	102	102	105		9.66	86.3	103	105	104	104	106	105	,	90.3	97.6	92.8	9.06
Spiked Sample Percent Recov.	71.4	98.8	99.4	102	105	102	107		103	91.4	103	107	102	102	104	102		92.7	20.7	95.5	93.1
Date Analyzed	6/18/08	6/18/08	6/18/08	6/17/08	6/17/08	6/17/08	6/17/08		6/17/08	6/17/08	6/11/08	6/17/08	6/17/08	6/11/08	6/11/08	6/17/08		6/17/08	6/11/08	6/11/08	6/17/08
Analysis Method	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B		EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B		EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B
e Units	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	!	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	:	ng/L	ng/L	ng/L	ng/L
Duplicate Spiked Sample Value	33.7	202	37.8	40.9	138	227	41.6		40.0	56.3	207	42.5	41.6	41.6	211	41.4	1	36.2	71.2	192	35.8
Spiked Sample Value	33.7	198	39.3	41.1	139	225	42.3	:	41.3	58.4	205	43.3	40.9	40.8	208	40.4		37.2	70.5	191	36.8
Spike Dup. Level	40.1	200	39.5	40.1	40.1	200	39.5		40.1	40.1	200	39.5	40.1	40.1	200	39.5		40.1	40.1	200	39.5
Spike Level	40.1	200	39.5	40.1	40.1	200	39.5		40.1	40.1	200	39.5	40.1	40.1	200	39.5		40.1	40.1	200	39.5
Sample Value	5.1	<5.0	<0.50	<0.50	26	22	<0.50	(<0.50	22	<5.0	1.1	<0.50	<0.50	<5.0	<0.50		05.0>	34	<5.0	<0.50
Spiked Sample	63242-04	63242-04	63242-04	63253-02	63253-02	63253-02	63253-02	1	63235-03	63235-03	63235-03	63235-03	63251-02	63251-02	63251-02	63251-02	4	63235-04	63235-04	63235-04	63235-04
Parameter	Methyl-t-butyl ether 63242-04	Tert-Butanol	Toluene	Benzene	Methyl-t-butyl ether 63253-02	Tert-Butanol	Toluene	ſ	Benzene	Methyl-t-butyl ether 63235-03	Tert-Butanol	Toluene	Benzene	Methyl-t-butyl ether 63251-02	Tert-Butanol	Toluene	Ĺ	Benzene	Methyl-t-butyl ether 63235-04	Tert-Butanol	Toluene

KIFF ANALYTICAL, LLC

Approved By: Joe Kiff

QC Report : Laboratory Control Sample (LCS)

Report Number: 63193 Date: 06/19/2008

Project Name: Valero - 13781 - 1Q08

Project Number: 3000048

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.1	ng/L	EPA 8260B	6/17/08	94.4	70-130
Methyl-t-butyl ether	40.1	ng/L	EPA 8260B	6/17/08	81.7	70-130
Tert-Butanol	200	ng/L	EPA 8260B	6/17/08	104	70-130
Toluene	39.5	ng/L	EPA 8260B	6/17/08	97.2	70-130
Benzene	40.2	ng/L	EPA 8260B	6/17/08	94.4	70-130
Methyl-t-butyl ether	40.3	ng/L	EPA 8260B	6/17/08	97.2	70-130
Tert-Butanol	201	ng/L	EPA 8260B	6/17/08	95.4	70-130
Toluene	40.2	ng/L	EPA 8260B	6/17/08	94.7	70-130
Benzene	40.2	ng/L	EPA 8260B	6/17/08	95.2	70-130
Methyl-t-butyl ether	40.3	ng/L	EPA 8260B	6/17/08	101	70-130
Tert-Butanol	201	ng/L	EPA 8260B	6/17/08	95.8	70-130
Toluene	40.2	ng/L	EPA 8260B	6/17/08	95.7	70-130
Benzene	40.1	ng/L	EPA 8260B	6/18/08	9.06	70-130
Methyl-t-butyl ether	40.2	ng/L	EPA 8260B	6/18/08	95.4	70-130
Tert-Butanol	200	ng/L	EPA 8260B	6/18/08	95.2	70-130
Toluene	40.1	ng/L	EPA 8260B	6/18/08	90.4	70-130
Benzene	40.1	ng/L	EPA 8260B	6/18/08	95.7	70-130

Approved By:

KIFF ANALYTICAL, LLC

QC Report : Laboratory Control Sample (LCS)

Report Number: 63193

Date: 06/19/2008

Project Name : Valero - 13781 - 1Q08

Project Number: 3000048

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Methyl-t-butyl ether	40.2	ng/L	EPA 8260B	6/18/08	81.6	70-130
Tert-Butanol	200	ng/L	EPA 8260B	6/18/08	8.66	70-130
Toluene	40.1	ng/L	EPA 8260B	6/18/08	94.0	70-130
Benzene	40.2	ng/L	EPA 8260B	6/17/08	102	70-130
Methyl-t-butyl ether	40.2	ng/L	EPA 8260B	6/17/08	89.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/17/08	100	70-130
Toluene	39.6	ng/L	EPA 8260B	6/17/08	105	70-130
Benzene	39.9	ug/L	EPA 8260B	6/17/08	103	70-130
Methyl-t-butyl ether	39.9	ng/L	EPA 8260B	6/17/08	87.2	70-130
Tert-Butanol	199	ng/L	EPA 8260B	6/17/08	100	70-130
Toluene	39.4	ng/L	EPA 8260B	6/17/08	108	70-130
Benzene	40.2	ng/L	EPA 8260B	6/17/08	104	70-130
Methyl-t-butyl ether	40.2	ng/L	EPA 8260B	6/17/08	102	70-130
Tert-Butanol	200	ng/L	EPA 8260B	6/17/08	105	70-130
Toluene	39.6	ng/L	EPA 8260B	6/17/08	106	70-130

Approved By:

KIFF ANALYTICAL, LLC

Chain-of-Custody Record and Analysis Request × × × × × × × TPH Gas (EPA 8260B) Bill to: × × × × × (BO928 A93) XETE dqq 2.0 @ (808S8 A93) BETM × × × × × × × × SRG # / Lab No. MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb ηİΑ lios <u>8</u>□ Water ⊡ Yes Sampling Company Log Code: GES EDF Deliverable To (Email Address): SPrall@gesonline.முற HOBM auoN eceived by Received by: ӿ HCI Global ID: T0604100047 California EDF Report? Sampler Signature Tedlar 17/18 Glass Poly Sleeve BOV و و د S ڊ و ŝ ላሞ | 1 · ኃ 2795 2nd Street Suite 300 Davis, CA 95616 Lab: 530.297.4800 Fax: 530.297.4802 4:15 13:40 15:10 3116 14:15 13:10 <u>د</u> و 9:5:6 Time 14:20 11:35 Company / Address: GES, 5046 Commercial Circle, Ste F Concord, CA 94520 Project Contact (Hardcopy or PDF To): Mark Peterson Sampling Fax #: 925-825-2021 Je . 10 . 0 K スローニ・タ とうりょうと $\frac{1}{2}$ 70.01.9 ところ ×0-01-8 والدوه 80.11.0X Date <u>-</u> ڏ Proceed 13. P.O.# Project Name: Valero - 13781 - 1008 Project Address: 930 Del Presidio Blvd.San Rafael, CA. Sample Designation hone #: 925-825-1440 Project #: 3000048 Relinquished by: elinquished by EA10 EA5 EA7 EA8 EA3 EA9 EA2 B

02 03

For Lab Use Only

□ 24 hr

0 72 hr

Chloride By EPA 300.0

Cotal Cyanide By EPA 335.2 Oto7 bns 0108 AGB v8 alateM (M2r08 Aq3) iiO sotoM as Hq1

(M3108 A93) lesei(as H97

(80928 A93) setsnegyxO \(\text{\text{7}}\)

(B0928 A93) A8T

Volatile Organics (EPA 524.2 Drinking Water) Volatile Organics Full List (EPA 8260B) Volatile Halocarbons (EPA 8260B)

.ead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)

48hr

Hexavalent Chromium By EPA 7196

¥ ~@

12 hr

TAT

Analysis Reques

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× × × × 80 8 Coolant Presen Therm. (D# Robert Ehlers, Valero Energy Corp., One Valero Wy, San Antonio, TX 78249-1616 I'WI Sample Receipt 2028 Time 80219C For Lab Use Only: × × Date Initials UR × × Temp °C 3.8 8 158 802190 Distribution: White - Lab; Pink - Originator Rev: 051805

Analytical LLC

For Lab Use Only Coolant Presen - 12 hr □ 24 ħ □ 72 hr ≹ ~⊡ □ 48ħ ₽ Chain-of-Custody Record and Analysis Request Therm. ID # 2 Robert Ehlers, Valero Energy Corp., One Valero Wy, San Antonio, TX 78249-1616 Hexavalent Chromium By EPA 7196 Sample Receipt Chloride By EPA 300.0 Time Total Cyanide By EPA 335.2 Metals By EPA 6010 and 7010 TPH as Motor Oil (EPA 8015M) For Lab Use Only: × × (M2108 AGE) lessiG as HGT × Analysis Reques Date Volatile Organics (EPA 524.2 Drinking Water) Volatile Organics Full List (EPA 8260B) Volatile Halocarbons (EPA 8260B) esd Scav.(1,2 DCA & 1,2 EDB-EPA 8260B) (S0828 A93) setsnegyxO 7 × × (80928 A93) A8T ပ္ × × Temp (BO928 ARE) 885 HAL 温き × MTBE (EPA 82608) @ 0.5 ppb × × × × SRG # / Lab No. MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb lio2 2 Water X × × × ☑ Yes Sampling Company Log Code: GESS EDF Deliverable To (Email Address): SPrall@geseqline.com Sampler Signature: HOBN **auo**N HMO3 Received by: HCI Global ID: T0604100047 California EDF Report? Tedlar 14.00 1158 SSEIĐ Poly Sleeve K 802190 10-12 B **BOV** ی ىر ~ 2795 2nd Street Suite 300 Davis, CA 95616 Leb: 530.297.4800 Fax: 530.297.4802 17:15 21.51 いから \$ 104 8:35 Time Company / Address: GES, 5046 Commercial Circle, Ste F Concord, CA 94520 roject Contact (Hardcopy or PDF To): Mark Peterson Fax #: 925-825-2021 1000 といら 70.11.0 YO . 11 . 8 مر نا = Prosecul # O.4 Project Name: Valero - 13781 - 1008 Project Address: 930 Del Presidio Blvd.San Rafael, CA. Sample Designation hone #: 925-825-1440 roject #: 3000048 alinquished by: AA inquished by: elinquished by: EA13 **EA14 EA15**

Distribution: White - Lab; Pink - Original Rev: 051805

Yes

5046 Commercial Circle • Suite F • Concord, California 94520 • (925) 825-1440 • Fax (925) 825-2021

Project 3000048

August 21, 2008

Mr. Ralph Lambert San Francisco Bay Regional Water Quality Control Board 1515 Clay Street, Suite 1400 Oakland, CA 94612

RE: Quarterly Monitoring Report – Second Quarter 2008

Valero Station #13781 930 Del Presidio Blvd, San Rafael, California

Dear Mr. Lambert:

Groundwater & Environmental Services, Inc. (GES) has been retained by Valero Marketing and Supply Company (Valero) to perform groundwater monitoring of the above site. This report summarizes quarterly groundwater data collected June 10, 2008 and June 11, 2008, in accordance with reporting requirements of the Regional Water Quality Control Board. Historical monitoring data from the site has been incorporated into this report.

If you have any questions or concerns regarding this report, please contact the undersigned at (925) 825-1440.

Sincerely,

Groundwater & Environmental Services, Inc.

Mark C. Peterson, CEG #2085 Principal Hydrogeologist

cc:

Attachments: Quarterly Monitoring Report – Second Quarter 2008

Robert Ehlers Valero Energy Corporation, One Valero Way, San Antonio, TX 78249-1616 Mark Williams, Las Gallinas Valley Sanitary Sewer District, 300 Smith Ranch Rd, San

Rafael, CA 94903

CALIFORNIA REGIONAL WATER

AUG 27 2008

QUALITY CONTROL BOARD

21-0048



5900 Hollis Street, Suite A Emeryville, California 94608 Telephone: (510) 420-0700

www.CRAworld.com

Fax: (510) 420-9170

	T. TR	ANSMITTAL	
DATE:	October 22, 2008	REFERENCE NO.:	241335
		PROJECT NAME:	950 Del Presidio Blvd, San Rafael
To:	Ralph Lambert Regional Water Quality Control B Francisco Bay Region	oard – San	
	1515 Clay Street, Suite 1400		
÷ .	Oakland, California 94612	v.	
	Curtaina, Camorna, 72012		
Please find	d enclosed: Draft Draft Prints	⊠ Final □ Other	
Sent via:		Same Day Co	urier
QUAN		DESCRIPT	
1	Groundwater Monitoring	g Report – Third Quart	er 2008
* * * * * * * * * * * * * * * * * * * *			
	Requested	or Review and Comment	
	Ш		
COMME			
	ve any questions regarding the con	tents of this document	please call Thomas Sparrowe at
(510) 420	-3316.		X
Copy to:	Denis Brown Armando Alegria Michael G. Frost SF Data Room		
Complet	ed by: Thomas Sparrowe [Please Print]	Signed:	- Jon



GROUNDWATER MONITORING REPORT – THIRD QUARTER 2008

SHELL-BRANDED SERVICE STATION 950 DEL PRESIDIO BOULEVARD SAN RAFAEL, CALIFORNIA

SAP CODE

136047

INCIDENT NO.

97707843

AGENCY NO.

21-0133 (REL)

Prepared by: Conestoga-Rovers & Associates

5900 Hollis Street, Suite A Emeryville, California U.S.A. 94608

Office: (510) 420-0700 Fax: (510) 420-9170

web: http://www.CRAworld.com

OCTOBER 22, 2008 REF. NO. 241335 (1)

This report is printed on recycled paper.

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LIST OF FIGURES

(Following Text)

FIGURE 1

VICINITY MAP

FIGURE 2

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP

LIST OF APPENDICES

APPENDIX A

BLAINE TECH SERVICES, INC. – GROUNDWATER MONITORING

REPORT

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d.

1.1 SITE INFORMATION

Site Address 950 Del Presidio Boulevard, San Rafael

Site Use Shell-branded Service Station

Shell Project Manager Denis Brown

CRA Project Manager Tom Sparrowe

Lead Agency and Contact RWQCB, Ralph Lambert

Agency Case No. 21-0133 (REL)

Shell SAP Code 136047

Shell Incident No. 97707843

Date of most recent agency correspondence was May 7, 2008 (electronic).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the modified monitoring program for this site, as approved by the Regional Water Quality Control Board (RWQCB) in their May 7, 2008 electronic correspondence. All site wells, including the tank backfill well TB-1, were gauged this quarter, but only well MW-2 was sampled and analyzed for total petroleum hydrocarbons as diesel (TPHd), total petroleum as gasoline (TPHg), and benzene, toluene, ethylbenzene, and xylenes (BTEX). Wells MW-1, MW-3, MW-4, and TB-1 are sampled in the second and fourth quarters.

CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). Blaine's report, presenting the analytical data, is included in Appendix A.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction

Southwesterly

Hydraulic Gradient

0.02

Depth to Water

4.60 to 6.10 feet below top of well casing

2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

Blaine will gauge and sample wells according to the modified monitoring program for this site.

Shell is negotiating an ownership transfer of monitoring wells EA9 (on Del Presidio Boulevard) and EA16 (located at 930 Del Presidio Boulevard) from Valero.

2.4 <u>DISCUSSION</u>

The groundwater flow direction this quarter is southwesterly with a gradient of 0.02, and is consistent with historical groundwater flow direction previously observed at this site.

All site wells, including the tank backfill well TB-1, were gauged this quarter, but only well MW-2 was sampled and analyzed for TPHd, TPHg, and BTEX. Wells MW-1, MW-3, MW-4, and TB-1 are sampled in the second and fourth quarters. The sample from well MW-2 contained 79 micrograms per liter (μ g/L) TPHd, 5,400 μ g/L TPHg, and 42 μ g/L benzene. The concentrations of TPHg and BTEX reported in well MW-2 this quarter were similar to that reported last quarter; however, the TPHd concentration decreased by two orders of magnitude, from 1,600 to 79 μ g/L.

All of Which is Respectfully Submitted, CONESTOGA-ROVERS & ASSOCIATES

Momas A. Sparrowe, PG

Project Manager

Aubrey K. Cool, PG

Professional Geologist



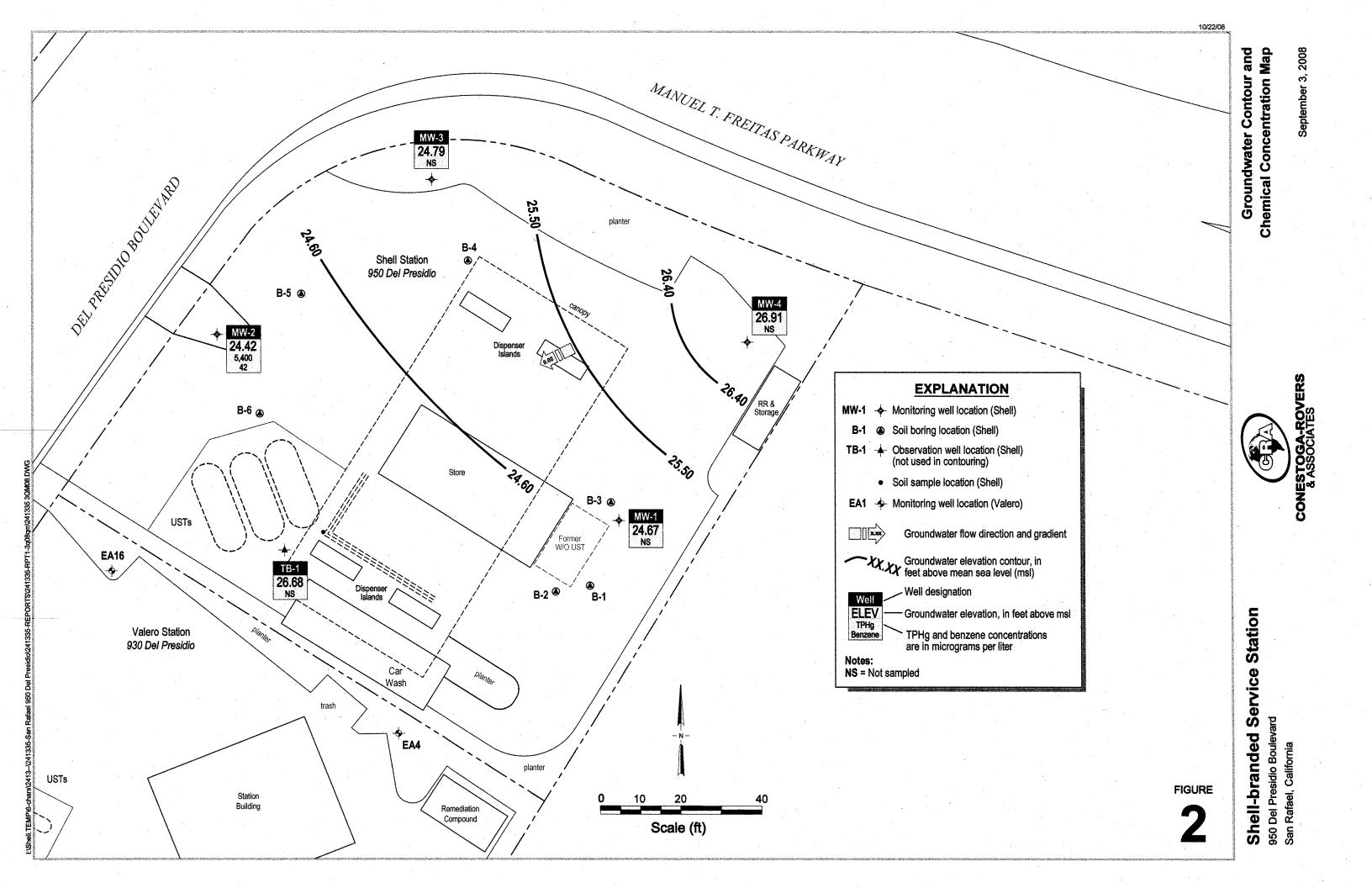
FIGURES

Shell-branded Service Station

950 Del Presidio Boulevard San Rafael, California



Vicinity Map



APPENDIX A

BLAINE TECH SERVICES, INC. –
GROUNDWATER MONITORING REPORT

BLAINE TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS SINCE 1985

September 24, 2008

Denis Brown Shell Oil Products US 20945 South Wilmington Avenue Carson, CA 90810

> Third Quarter 2008 Groundwater Monitoring at Shell-branded Service Station 950 Del Presidio Boulevard San Rafael, CA

Monitoring performed on September 3, 2008

Groundwater Monitoring Report 080903-JL-1

This report covers the routine monitoring of groundwater wells at this Shell-branded service station. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

SAN JOSE

www.blainetech.com

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Eric Morse Project Manager

EM/tm

attachments: Cumulative Table of WELL CONCENTRATIONS

Certified Analytical Report

Field Data Sheets

cc: Dennis Baertschi

Conestoga-Rovers & Associates 19449 Riverside Dr., Suite 230

Sonoma, CA 95476

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE

WELL CONCENTRATIONS Shell Service Station 950 Del Presidio Boulevard San Rafael, CA

						Ou	II IXala	OI, O. 1							
		TDDU	TEDU		T	_	Х	MTBE 8260	DIPE	ETBE	TAME	ТВА	TOC	Depth to Water	GW Elevation
Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	(ug/L)	E (ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(MSL)	(ft.)	(MSL)
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(49, 1)	()	()	()
												-		· · · · · · · · · · · · · · · · · · ·	·
MW-1	5/31/2007	NA	NA	NA	NA .	NA	NA	NA	NA	NA	NA	NA	30.77	5.11	25.66
MW-1	6/11/2007	<50 a	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	30.77	3.35	27.42
MW-1	9/11/2007	<50 a	<50 b	<0.50	0.29 d	<1.0	0.19 d	<1.0	<2.0	<2.0	<2.0	<10	30.77	6.61	24.16
MW-1	12/11/2007	<50 a	<50 b	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	30.77	5.61	25.16
MW-1	3/11/2008 e	. NA	NA	NA	NA	NA	NA	NA	NA	NA	ŅA	NA	30.77	3.65	27.12
MW-1	3/13/2008	<50	<50 b	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	30.77	3.61	27.16
MW-1	6/10/2008	<50	<50 b	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	30.77	4.81	25.96
MW-1	9/3/2008	NA	NA	NA	NA	NA	NA	NA	NA .	NA	NA	NA	30.77	6.10	24.67
												· · · · · · -			
MW-2	5/31/2007	NA	NA	NA	NA	NA	NA	NA	NA	. NA	NA	NA	29.23	2.51	26.72
MW-2	6/11/2007	5,400 a	1,800	100	21	100	141	32	<2.0	<2.0	<2.0	110	29.23	3.95	25.28
MW-2	9/11/2007	6,500 a	2,100 b,c	110	22	97	104	53	<2.0	<2.0	<2.0	150	29.23	6.82	22.41
MW-2	12/11/2007	7,600 a	1,800 b	93	23	100	99	<1.0	<2.0	<2.0	<2.0	130	29.23	3.97	25.26
MW-2	3/11/2008 e	NA	NA	NA :	NA	NA	NA	NA	NA	NA	NA	NA	29.23	2.27	26.96
MW-2	3/13/2008	6,200	1,400 b,c	40	11	55	35.3	<1.0	<2.0	<2.0	<2.0	110	29.23	2.27	26.96
MW-2	6/10/2008	5,900	1,600 b,c	41	11	57	39.2	NA	NA	NA	NA	NA	29.23	3.34	25.89
MW-2	9/3/2008	5,400	79 b	42	11	38	38.2	NA	NA	NA	NA	NA	29.23	4.81	24.42
										•					
MW-3	5/31/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA.	30.32	5.53	24.79
- MW-3	6/11/2007	55 a	<50	<0.50	<1.0	<1.0	<1.0	3.2	<2.0	<2.0	<2.0	<10	30.32	5.31	25.01
MW-3	9/11/2007	<50 a	<50 b	<0.50	<1.0	<1.0	<1.0	4.9	<2.0	<2.0	<2.0	<10	30.32	6.51	23.81
MW-3	12/11/2007	<50 a	<50 b	<0.50	<1.0	<1.0	<1.0	5.8	<2.0	<2.0	<2.0	<10	30.32	5.79	24.53
MW-3	3/11/2008 e	NA	NA	NA ·	NA	NA	NA	NA	NA	NA	NA	NA	30.32	3.90	26.42
MW-3	3/13/2008	<50	<50 b	<0.50	<1.0	<1.0	<1.0	2.8	<2.0	<2.0	<2.0	<10	30.32	3.99	26.33
MW-3	6/10/2008	<50	<50 b	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	30.32	5.10	25.22
MW-3	9/3/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.32	5.53	24.79
MW-4	5/31/2007	NA	NA.	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.51	4.90	26.61
1A1 A A	3/3/1/2007	14/1	1.47.					L							

WELL CONCENTRATIONS Shell Service Station 950 Del Presidio Boulevard San Rafael, CA

								MTBE						Depth to	GW
Well ID	Date	TPPH	TEPH	В	T	E	X	8260	DIPE	ETBE	TAME	TBA	TOC	Water	Elevation
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(MSL)	(ft.)	(MSL)
MW-4	6/11/2007	<50 a	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	31.51	4.03	27.48
MW-4	9/11/2007	<50 a	<50 b	0.15 d	0.52 d	<1.0	1.33 d	<1.0	<2.0	<2.0	<2.0	<10	31.51	4.97	26.54
MW-4	12/11/2007	<50 a	<50 b	1.6	0.54 d	1.5	1.80 d	<1.0	<2.0	<2.0	<2.0	<10	31.51	3.82	27.69
MW-4	3/11/2008 e	NA	· NA	ŇA	NA	NA	NA	NA	NA	NA	NA	NA	31.51	2.25	29.26
MW-4	3/13/2008	<50	<50 b	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	31.51	2.22	29.29
MW-4	6/10/2008	<50	<50 b	<0.50	<1.0	<1.0	<1.0	NA	NA	NA.	NA	NA	31.51	3.65	27.86
MW-4	9/3/2008	NA	. NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.51	4.60	26.91
									•						
TB-1	10/02/2006 f	32,000	NA	1,600	3,800	960	5,100	<5.0	<20	<20	<20	<50	NA:	NA	NA
TB-1	5/31/2007	NA	NA	. NA	NA	NA	NA	NA	NA_	NA	NA	NA	NA	2.16	NA
TB-1	7/23/2007	8,800	<3,000	23	<2.0	220	620	<2.0	<2.0	<2.0	<2.0	24	NA	10.20	NA
TB-1	6/10/2008	<50	<50 b	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	31.51	2.98	28.53
TB-1	8/14/2008	<50	150 c	<0.50	<1.0	<1.0	<1.0	NA	`NA	NA	NA	NA	31.51	4.29	27.22
TB-1	9/3/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.51	4.83	26.68

WELL CONCENTRATIONS Shell Service Station 950 Del Presidio Boulevard San Rafael, CA

								MTBE			. ,		1.	Depth to	GW
Well ID	Date	TPPH	TEPH	В	T	E	Х	8260	DIPE	ETBE	TAME	TBA	TOC	Water	Elevation
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(MSL)	(ft.)	(MSL)

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8260B.

TEPH = Total petroleum hydrocarbons as diesel by EPA Method 8015B (M).

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol or tertiary butanol, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

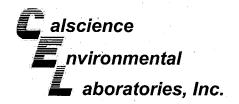
<n = Below detection limit

NA = Not applicable

Notes:

- a = Analyzed by EPA Method 8015B (M).
- b = The sample extract was subjected to Silica Gel treatment prior to analysis.
- c = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
- d = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
- e = Coordinated gauging event on this day.
- f = Grab groundwater sample collected by Cambria Environmental Technology, Inc.

Site surveyed on June 4, 2007 by Virgil Chavez Land Surveying of Vallejo, CA.





September 22, 2008

Eric Morse Blaine Tech Services, Inc. 1680 Rogers Avenue San Jose, CA 95112-1105

Subject: Calscience Work Order No.: 08-09-0539

> Client Reference: 950 Del Presidio Blvd., San Rafael, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/6/2008 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental Laboratories. Inc.

Jessie Kim **Project Manager**



Analytical Report



Blaine Tech Services, Inc. 1680 Rogers Avenue San Jose, CA 95112-1105 Date Received: Work Order No: Preparation:

Method:

08-09-0539 EPA 3510C EPA 8015B

09/06/08

Project: 950 Del Presidio Blvd., San Rafael, CA

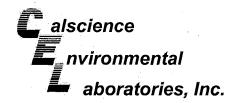
Page 1 of 1

MW-2 08-09-0539-1-E 09/03/08 Aqueous GC 27 09/09/08 09/11/08 12:05 080909B09 Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis. DE Qual Units Units DE Qual Units Units DE Qual Units Units DE Qual Units DE QUAL Units DE QUAL Units DE QUAL Units DE QUAL Units DE QUAL Units DE QUAL Units DE QUAL Units DE QUAL Units DE QUAL Units DE QUAL Units DE QUAL Units DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS DE QUAL UNITS				*			1.0			
Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis. Parameter Result RL DF Qual Units	Client Sample Number					Matrix	instrument			QC Batch ID
Parameter Result RL DE Qual Units Diesel Range Organics 79 50 1 ug/L Surrogates: REC (%) Control Limits Qual Decachlorobiphenyl 88 68-140 Method Blank 099-12-211-663 N/A Aqueous GC 27 09/09/08 09/10/08 080909B0 Parameter Result RL DF Qual Units Diesel Range Organics ND 50 1 ug/L Surrogates: REC (%) Control Limits Qual	MW-2			08-09-0539-1-E	09/03/08 15:25	Aqueous	GC 27	09/09/08		080909B09
Diesel Range Organics 79 50 1 ug/L	Comment(s): -The sa	mple extract wa	s subjected to	Silica Gel treatment	t prior to analy	sis.				-
REC (%) Control Limits Qual	<u>Parameter</u>		Result	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>			,
Decachlorobiphenyl 88 68-140	Diesel Range Organics		79	50	1		ug/L			
Method Blank 099-12-211-663 N/A Aqueous GC 27 09/09/08 09/10/08 10:15 080909B0 Parameter Result RL DF Qual Units Diesel Range Organics ND 50 1 ug/L Surrogates: REC (%) Control Limits Qual	Surrogates:		REC (%)	Control Limits		Qual				
Parameter Result RL DF Qual Units Diesel Range Organics ND 50 1 ug/L Surrogates: REC (%) Control Limits Qual	Decachlorobiphenyl		88	68-140						
Diesel Range Organics ND 50 1 ug/L Surrogates: REC (%) Control Limits Qual	Method Blank			099-12-211-663	N/A	Aqueous	GC 27	09/09/08		080909B09
Surrogates: REC (%) Control Limits Qual	<u>Parameter</u>		Result	<u>RL</u>	<u>DF</u>	Qual	<u>Units</u>			* *
	Diesel Range Organics		ND	50	1		ug/L		·	
Decachlorobiphenyl 112 68-140	Surrogates:		REC (%)	Control Limits		Qual				
	Decachlorobiphenyl		112	68-140						

09/06/08

08-09-0539

EPA 5030B



Analytical Report



Blaine Tech Services, Inc. 1680 Rogers Avenue San Jose, CA 95112-1105

Date Received: Work Order No: Preparation:

Method:

LUFT GC/MS / EPA 8260B

Units:

ug/L

Project: 950 Del Presidio Blvd., San Rafael, CA

Page 1 of 1

,			, -							9	
Client Sample Number				b Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/T Analyz		QC Batch ID
MW-2 ·			08-09-0)539-1-A	09/03/08 15:25	Aqueous	GC/MS RR	09/13/08	09/14/ 00:3		080913L01
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	L34 87 ()				19.20	1 3 14 1		754	00.3	9	
Parameter	Result	RL	<u>DF</u>	Qual :	<u>Parameter</u>			Result	RL	<u>DF</u>	Qual
TPPH	5400	500	10		Toluene			11	1.0	1	
Benzene	42	0.50	1		p/m-Xylene			32	1.0	1	
Ethylbenzene	38	1.0	1		o-Xylene			6.2	1.0	1	
Surrogates:	REC (%)	Control		Qual	Surrogates:			REC (%)	<u>Control</u>		Qual
	1	<u>Limits</u>	* .						<u>Limits</u>		-
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluc	orobenzene-	ГРРН	100	70-130		·
Method Blank	7462716	4 512	099-12	-715-894	N/A	Aqueous	GC/MS RR	09/13/08	09/13	/08	080913L01
						现在特点		\$ 341.5	16:0	3	
* · · ·										HAPPEN COLUMN CONTRACT	
<u>Parameter</u>	Result	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Parameter</u>			<u>Result</u>	RL	DF	<u>Qual</u>
TPPH	ND	50	1		Toluene		•	ND ·	1.0	1	
Benzene	ND	0.50	1		p/m-Xylene			ND	1.0	1	
Ethylbenzene	ND	1.0	. 1		o-Xylene			ND	1.0	1	- -
Surrogates:	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>	Surrogates:			REC (%)	<u>Control</u>		<u>Qual</u>
		<u>Limits</u>							<u>Limits</u>		
1,4-Bromofluorobenzene	96	70-130			1,4-Bromofluc	orobenzene-	ГРРН	98	70-130		
Method Blank	3. 3254美华美	21 推制	099-12	-715-899	N/A	Aqueous	GC/MS RR	09/14/08	09/14		080914L01
THE DESCRIPTION OF THE STATE OF		養養額				1112	1452	4.8.2是3	16:2	20	16.0
Dozameter	Dogult	DI	DE	Ouel	Daramatar		:	Decut	DI	ĊΓ	Ourd
<u>Parameter</u>	Result	<u>RL</u>	DF	Qual	<u>Parameter</u>			Result	<u>RL</u>	DF	<u>Qual</u>
TPPH	ND	50	1,		Toluene			ND	1.0	. 1	
Benzene	ND	0.50	1		p/m-Xylene			ND	1.0	. 1	
Ethylbenzene	ND	1.0	1	Ount	o-Xylene			ND	1.0	. 1	0
Surrogates:	REC (%)	Control Limits		<u>Qual</u>	Surrogates:			REC (%)	Control Limits		<u>Qual</u>
1.4-Bromofluorobenzene	97	70-130			1,4-Bromofluo	orobenzene.	тррн	100	<u>Limits</u> 70-130		
1, 1 Bromondorobonzono	57	10-100			134-DIOINOING	JIODGIIZGII G	1111	100	10-130		



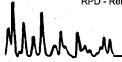
Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc. 1680 Rogers Avenue San Jose, CA 95112-1105 Date Received: Work Order No: Preparation: Method: 09/06/08 08-09-0539 EPA 5030B LUFT GC/MS / EPA 8260B

Project 950 Del Presidio Blvd., San Rafael, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared		Date Analyzed	MS/MSD Batch Number	
08-09-0703-4	Aqueous	GC/MS RR	09/13/08		09/13/08	080913501	
<u>Parameter</u>	MS %REC	MSD %REC	%REC CL	RPD	RPD CI	Qualifiers	
	v						
Benzene	95	94	70-130	1	0-30	·	
Ethylbenzene	98	97	70-130	2 ·	. 0-30		
Toluene	98	97	70-130	1	0-30		
p/m-Xylene	99	95	70-130	3	0-30		
o-Xylene	100	97	70-130	3	0-30		
Methyl-t-Butyl Ether (MTBE)	104	106	70-130	2	0-30		
Tert-Butyl Alcohol (TBA)	100	107	70-130	7	0-30		
Diisopropyl Ether (DIPE)	102	101	70-130	1	0-30		
Ethyl-t-Butyl Ether (ETBE)	100	101	70-130	2	0-30	ta este de la compaño al care de la compaño a	
Tert-Amyl-Methyl Ether (TAME)	100	100	70-130	0	0-30		
Ethanol	93	102	70-130	10	0-30		
	•						





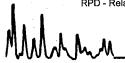
Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc. 1680 Rogers Avenue San Jose, CA 95112-1105 Date Received: Work Order No: Preparation: Method: 09/06/08 08-09-0539 EPA 5030B LUFT GC/MS / EPA 8260B

Project 950 Del Presidio Blvd., San Rafael, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared		Date Analyzed	MS/MSD Batch Number	
08-09-0863-4	Aqueous	GC/MS RR	09/14/08		09/14/08	080914S01	
<u>Parameter</u>	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers	
	***		1				
Benzene	94	95	70-130	1	0-30		
Ethylbenzene	96	96	70-130	0	0-30		
Toluene	97	98	70-130	1	0-30		
p/m-Xylene	95	95	70-130	0	0-30		
o-Xylene	97	96	70-130	2	0-30		
Methyl-t-Butyl Ether (MTBE)	102	101	70-130	. 1	0-30		
Tert-Butyl Alcohol (TBA)	100	98	70-130	2	0-30		
Diisopropyl Ether (DIPE)	106	107	70-130	1	0-30		
Ethyl-t-Butyl Ether (ETBE)	101	101	70-130	1	0-30		
Tert-Amyl-Methyl Ether (TAME)	100	100	70-130	0.	0-30		
Ethanol	111	98	70-130	12	0-30	a.	





Quality Control - LCS/LCS Duplicate



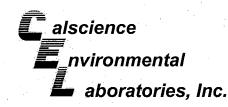
Blaine Tech Services, Inc. 1680 Rogers Avenue San Jose, CA 95112-1105 Date Received: Work Order No: Preparation: Method: N/A 08-09-0539 EPA 3510C EPA 8015B

Project: 950 Del Presidio Blvd., San Rafael, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Bat Number	ch
099-12-211-663	Aqueous	GC 27	09/09/08	09/10/08	080909B09	
<u>Parameter</u>	LCS %	REC LCSD	<u>%REC</u>	REC CL RPD	RPD CL	Qualifiers
Diesel Range Organics	103	98	7	5-117 5	0-13	

RPD - Relative Percent Difference,

CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc. 1680 Rogers Avenue San Jose, CA 95112-1105 Date Received: Work Order No:

08-09-0539 EPA 5030B

N/A

Preparation: Method:

LUFT GC/MS / EPA 8260B

Project: 950 Del Presidio Blvd., San Rafael, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed		LCS/LCSD I Number	
099-12-715-894	Aqueous	GC/MS RR	09/13/08	09/13	/08	080913L	01
<u>Parameter</u>	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	97	85	65-135	53-147	14	0-30	
Benzene	• 94	97	70-130	60-140	3 -	0-30	
Ethylbenzene	100	103	70-130	60-140	3	0-30	
Toluene	98	101	70-130	60-140	· 3	0-30	
p/m-Xylene	99	101	70-130	60-140	2	0-30	
o-Xylene	100	102	70-130	60-140	11	0-30	•
Methyl-t-Butyl Ether (MTBE)	105	103	70-130	60-140	2	0-30	
Tert-Butyl Alcohol (TBA)	99	98	70-130	60-140	2	0-30	
Diisopropyl Ether (DIPE)	103	100	70-130	60-140	3	0-30	
Ethyl-t-Butyl Ether (ETBE)	102	100	70-130	60-140	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	101	101	70-130	60-140	0	0-30	
Ethanol	94	90	70-130	60-140	4	0-30	

Total number of LCS compounds: 12
Total number of ME compounds: 0

Total number of ME compounds allowed:

LCS ME CL validation result: Pass



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc. 1680 Rogers Avenue San Jose, CA 95112-1105 Date Received:

N/A

Work Order No:

08-09-0539

Preparation:

EPA 5030B

Method:

LUFT GC/MS / EPA 8260B

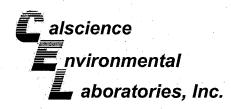
Project: 950 Del Presidio Blvd., San Rafael, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed		LCS/LCSD I Numbe	
099-12-715-899	Aqueous	GC/MS RR	09/14/08	09/14	08	080914L	01
<u>Parameter</u>	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	99	101	65-135	53-147	2	0-30	
Benzene	82	97	70-130	60-140	16	0-30	
Ethylbenzene	86	99	70-130	60-140	15	0-30	
Toluene	86	100	70-130	60-140	15	0-30	
p/m-Xylene	85	99	70-130	60-140	16	0-30	
o-Xylene	86	101	70-130	60-140	16	0-30	
Methyl-t-Butyl Ether (MTBE)	87	102	70-130	60-140	15	0-30	
Tert-Butyl Alcohol (TBA)	79	96	70-130	60-140	20	0-30	
Diisopropyl Ether (DIPE)	91	106	70-130	60-140	. 15	0-30	
Ethyl-t-Butyl Ether (ETBE)	87	102	70-130	60-140	16	0-30	
Tert-Amyl-Methyl Ether (TAME)	85	. 100	70-130	60-140	16	0-30	A Company
Ethanol	83	93	70-130	60-140	12	0-30	· .

Total number of LCS compounds: 12 Total number of ME compounds: 0

Total number of ME compounds allowed:

LCS ME CL validation result: Pass



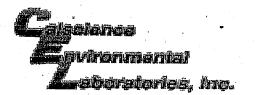
Glossary of Terms and Qualifiers



Work Order Number: 08-09-0539

Qualifier	<u>Definition</u>
*	See applicable analysis comment.
. 1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
Α	Result is the average of all dilutions, as defined by the method.
В	Analyte was present in the associated method blank.
· C	Analyte presence was not confirmed on primary column.
Ε	Concentration exceeds the calibration range.
Н	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Page 10 of 1



WORK ORDER #: 08 - 0 9 - 0 5 3 9

Cooler ___ of ___

SAMPLE RECEIPT FORM

CLIENT: BLAINE TECH	DATE: 09-06-08
TEMPERATURE - SAMPLES RECEIVED BY:	
CALSCIENCE COURIER: Chilled, cooler with temperature blank provided. Chilled, cooler without temperature blank. Chilled and placed in cooler with wet ice. Ambient and placed in cooler with wet ice.	LABORATORY (Other than Calscience Courier): °C Temperature blank. O°C IR thermometer. Ambient temperature (For Air & Filter only).
Ambient temperature (For Air & Filter only).	
°C Temperature blank.	Initial:
CUSTODY SEAL INTACT:	
Sample(s): Cooler: No (Not I	ntact) : Not Present:
	Initial:TD
SAMPLE CONDITION:	
Chain-Of-Custody document(s) received with samples	
COMMENTS:	

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address	9.	50	D	e(Pres	ص لی	BIV	(d,	_Date <u>9</u> /	3/0V
Job Number									Loveser		of
Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Weil Not Inspected (explain in notes)	New Deficiency Idenlified	Previously Identified Deficiency Persists		Notes	
MW-1	X	X									
MW-2	×	X									
MW-3	×	X							NAME TO A STATE OF THE STATE OF		
MW-4	×	X									
T13-1	×	×				ļ ·			and the state of t		
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*Well box must me "MONITORING WE Notes:	et all thr LL" (12	ee criteri "or less)	a to bo 3) WE	e com	plian \G IS	t: 1) WELL PRESENT	. IS SECUR , SECURE,	ABLE BY D AND CORF	ESIGN (12"or less) 2) WEL RECT	L IS MARKED WI	TH THE WORDS
BLAINE TECH S				SAN				LOS ANGELE	S SAN DIEGO SEATT		

WELL GAUGING DATA

Proje	ct# <i>0509</i>	03-52	_/ Date	9/3/08	Clie	nt Shel	
			· ·			•	
Site	950	Del	Presid.	& BIVL	San	Dafael	CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)			Depth to well bottom (ft.)	Survey Point: TOB or	Notes
MUH	1441	4				6.10	24.00		
1	1446	4	·			4.81	19.60		
MW-4	143/	4				5.53	19,91		
MW-4	1425	4				4.60	22-77		
TB-1	1438	12				4,83	11.93	1	
			V ₁						
		,							
									•
				! .					
					4				

SHELL WELL MONITORING DATA SHEET

			14 TAN 14 PER PER PER PER PER PER PER PER PER PER	TARTICOLOURS AND TO	マオイヤア つずれかか げ	
BTS #: 080903-561 Sampler: Joe Lovesu				Site: 977	07843	
Sampler:	Joe 1	Oves		1 /	lor	
Well I.D.:	Mw-	Z_		Well Diamete	· · · · · · · · · · · · · · · · · · ·) 6 8
Total Well			1.60	Depth to Wate	er (DTW): 4.	
Depth to Fr	ree Produc			1	Free Product (fe	
Referenced	to:	PVC) Grade	D.O. Meter (if		YSI HACH
DTW with	80% Rech	arge [(H	leight of Water	Column x 0.20		7.76e
Purge Method:						
Q.(Q.(Gals.) X Spec	3 ified Volun	$\frac{24.4}{\text{nes}} = \frac{24.4}{\text{Calculated Vo}}$	Gals. Well Diamer	er Multiplier Well 0.04 4" 0.16 6" 0.37 Othe	<u>Diameter</u> <u>Multiplier</u> 0.65 1.47 ar radius² * 0.163
Time	Temp (°F)	рН	Cond. (mS or (LS)	Turbidity (NTUs)	Gals. Removed	Observations
1457	40.0	6.6	922,1	46	10.0	
1500	78.7	6.8	982.3	જજ	200	
1506	74.5	7.1	9925	50	30.0	
				•		
			Not @	80% Www	led Sharth	
Did well der	water?	Yes (No.	Gallons actuall		30,0
Sampling D	ate: $q/3$	108	Sampling Time	: 1525	Depth to Wate	· · · · · · · · · · · · · · · · · · ·
Sample I.D.	Muz	.		Laboratory:	STL SPL	Other Calscillace
Analyzed fo	r: (PH-C	G) BTEX M	TBE TPH-D Oxy's 1.2-D	CA EDB Other: T	PH-D Weil	
EB I.D. (if a	EB I.D. (if applicable): Duplicate I.D. (if applicable): Duplicate I.D. (if applicable):					
Analyzed for	Г; трн-с	втех м	THE TPH-D Oxy's 1,2-Di	CA EDB Other:		
O.O. (if req'o	d): Pr	e-purge:	A CONTRACTOR OF THE PROPERTY O	mg/L Po	ost-purge:	mg/L
O.R.P. (if re	q'd): Pr	÷-ригде:		mV Po	ost-purge:	17.00



Mervyn's Department Store 5010 Northgate Mall The Mall at Northgate San Rafael, California

> January 5, 2009 10008-008221.00

Prepared for MACERICH MANAGEMENT COMPANY
401 Wilshire Boulevard
Suite 700
Santa Monica, CA 90401



For the benefit of business and people

Bureau Veritas North America, Inc.

San Francisco Regional Office 6920 Koll Center Parkway, Suite 216 Pleasanton, California 94566 925.426.2600 www.us.bureauveritas.com



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EXECUTIVE SUMMARY

Mr. Aladdin Ghafari, Assistant Vice President, Environmental Affairs, MACERICH MANAGEMENT COMPANY (MACERICH), retained Bureau Veritas North America, Inc. to conduct a Phase I Environmental Site Assessment of the Mervyn's department store located at 5010 Northgate Mall, The Mall at Northgate, San Rafael, Marin County, California (the "subject property"). The objective of the assessment was to provide an independent, professional opinion regarding recognized environmental conditions (REC), as defined by ASTM, associated with the subject property. This assessment was requested in association with a real estate transaction.

This assessment was performed in accordance with ASTM E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* Any exceptions to these guidelines, and/or limitations of the assessment, are described in Section 1.3.

The subject property is a Mervyn's retail department store, located on about 1 acre in a retail setting within the Mall at Northgate shopping center. Mervyn's is one, two-story building that is attached to the larger Mall at Northgate Shopping Center. Other anchor tenants at the shopping center (not part of the subject property) include Macy's, Sears, and Century Theatres. The building at the subject property was constructed during 1985. It is Bureau Veritas' understanding that Mervyn's will cease operations and vacate the subject property in the December 2008 timeframe.

Bureau Veritas identified obvious subject property uses from the present back to 1914. The subject property was undeveloped land until developed by the Northgate Shopping Center into a parking lot about 1965. The current subject property building was reportedly built in 1985 as a Mervyn's Department store. The surrounding area was also being residentially and commercially developed during that time.

This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property.



1.0 INTRODUCTION

Mr. Aladdin Ghafari, Assistant Vice President, Environmental Affairs, MACERICH MANAGEMENT COMPANY (MACERICH), retained Bureau Veritas North America, Inc. to conduct a Phase I Environmental Site Assessment of the Mervyn's department store located at 5010 Northgate Mall, The Mall at Northgate, Marin County, San Rafael, California (the "subject property"). The objective of the assessment was to provide an independent, professional opinion regarding recognized environmental conditions (REC), as defined by ASTM, associated with the subject property. This assessment was requested in association with a real estate transaction.

1.1 PURPOSE

Good commercial and customary practice for conducting environmental site assessments has the goal of providing an independent, professional opinion regarding *recognized environmental conditions*, as defined by ASTM, associated with the subject property. The term *recognized environmental conditions* (RECs) is defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not RECs.

1.2 METHODOLOGY

This assessment was performed in accordance with ASTM E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Any exceptions to these guidelines, and/or limitations of the assessment, are described in Section 1.3.

The assessment included the following components:

- A site walkthrough inspection of the property for visual evidence of potential environmental concerns
 including existing or potential soil and groundwater contamination, as evidenced by soil or pavement
 staining or discoloration, stressed vegetation; indications of waste dumping or burial, pits, ponds, or
 lagoons; containers of hazardous substances or petroleum products; electrical and hydraulic
 equipment that may contain polychlorinated biphenyls (PCBs), such as electrical transformers and
 hydraulic hoists; and underground and aboveground storage tanks.
- An investigation of historical use of the subject property through reasonably ascertainable ASTM Standard Historical Sources (e.g., aerial photographs, fire insurance maps, city directories,) for evidence of prior land use that could have led to recognized environmental conditions.



- A review of information available on general geology and topography of the subject property, local
 groundwater conditions, sources of water, power, and sewer, and proximity to ecologically sensitive
 receptors, such as streams, that might be impacted by recognized environmental conditions and
 environmental issues.
- A review of environmental records available from MACERICH, property owner or site contact
 including regulatory agency reports, permits, registrations, and consultants' reports for evidence of
 recognized environmental conditions and activity and use limitations (AULs).
- A site property line visual assessment of adjacent properties for evidence of potential offsite environmental conditions that may affect the subject property.
- A review of a commercial database summary of federal, state and tribal regulatory agency records
 pertinent to the subject property and offsite facilities located within ASTM-specified search distances
 from the subject property.
- Interviews with the subject property owner or their designated Key Site Manager, Occupants and
 State/Local Government Officials, regarding current and previous uses of the property, particularly
 activities involving hazardous substances and petroleum products. Past owners, operators and
 occupants were also interviewed to the extent they were identified and their information was not likely
 to be duplicative.
- Evaluation of information gathered and development of this report

This assessment did not include sampling or analysis of soil, groundwater or other materials.

Mr. Richard Fehler from Bureau Veritas' San Francisco Regional Office, an Environmental Professional as defined in §312.10 of 40 CFR 312; conducted the site walkthrough portion of the assessment on December 18, 2008, accompanied by Mr. Anthony Edwards, Operations Manager for Northgate. Mr. Edwards has been associated with the subject property for about a year and a half. Resumes for environmental professionals involved in this assessment are included in Appendix A. Photographs taken at the time of the assessment are included behind the *Photographs* Tab.

1.3 EXCEPTIONS AND LIMITING CONDITIONS OF ASSESSMENT

Information for the assessment was obtained from sources listed in Appendix B. This information, to the extent it was relied on to form our opinion, is assumed to be correct and complete. Bureau Veritas is not responsible for the quality or content of information from these sources.

At the time of this assessment, the following documents regarding the subject property were requested, but were not made available for review:

• Documents from the San Rafael building Department



Bureau Veritas has not received a response to the above noted request as of the date of this report. If later findings materially affect the conclusions and recommendations in this report, Bureau Veritas will contact MACERICH.

Lack of Access

Access was not provided to the following areas of the subject property

 Elevator pits. The elevator equipment room was available for inspection, but the elevator pits were inaccessible.

No opinion regarding environmental conditions in areas that were not inspected can be formed. Lack of access to the area(s) listed above did not impede an evaluation of the subject property with respect to recognized environmental conditions.

Data Gaps

Historical subject property ownership and/or use information was obtained for the time period, 1914 to present. Bureau Veritas has established the history of previous uses at subject property use since 1940 or first development. No significant data gaps were encountered during this assessment.

1.4 RELIANCE

Bureau Veritas understands that MACERICH and its affiliates, investors, lenders, assignees, designees, successors, and assigns intend to rely upon this report as an evaluation of the environmental conditions at the Property for the purpose of deciding whether and under what conditions to proceed with the real estate transaction involving the Property. The work was performed with sufficient detail and scope to meet the standard diligence practices for an environmental assessment for an institutional investor of real estate in the current marketplace. Bureau Veritas understands that the intent is to complete an investigation which will help satisfy one of the requirements to qualify MACERICH and its affiliates, investors, lenders, assignees, designees, successors, and assigns for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitation on CERCLA liability and that MACERICH and its affiliates, investors, lenders, assignees, designees, successors, and assigns may rely upon the work for the above purpose.

Bureau Veritas will not distribute or publish this report without consent except as required by law or court order. The information and opinions expressed in this report are given in response to a limited assignment and should be considered and implemented only in light of that assignment. The services provided by Bureau Veritas in completing this project were consistent with normal standards of the profession. No other warranty, expressed or implied, is made.



2.0 <u>USER PROVIDED INFORMATION</u>

ASTM E 1527 defines "user" as the party seeking to use Practice E 1527 to complete an environmental site assessment of the subject property, and in this case, the user is MACERICH. ASTM E 1527 specifies that certain tasks associated with identifying potential RECs at the subject property should be performed by the user and provided to the environmental professional. This section documents the information obtained from the user.

Recorded Land Title Records

Obtaining recorded land title records and lien records that are filed under federal, state, tribal, or local law for information concerning environmental liens or Activity and Use Limitations (AULs) associated with the subject property was not part of this assessment. Lack of this information did not affect Bureau Veritas' ability to identify RECs. It should be noted that based on the "User Questionnaire" provided by MACERICH, there are no known Environmental Liens or AULs associated with the subject property.

Specialized Knowledge

MACERICH indicated that it has no specialized knowledge or experience of environmental issues of concern associated with the subject property.

MACERICH representative, Mr. Aladdin Ghafari, was asked if he was aware of any of the following:

Commonly Known or Reasonably Ascertainable Information

Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property.	Yes	XX	No
Any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property.	Yes	xx	No
Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or			
petroleum products.	Yes	XX	No

MACERICH indicated that it is unaware of any commonly known or reasonably ascertainable information within the local community about the subject property that is material to identifying environmental issues of concern associated with the subject property.

Valuation Reduction for Environmental Issues

The current real estate transaction concerning the subject property is a potential sale, rather than a purchase. However, MACERICH does not anticipate discounting the offering price of the subject property for environmental reasons.



Owner, Property Manager, and Occupant Information

MACERICH indicated that it has no specific information from subject property occupants that is material to identifying environmental issues of concern associated with the subject property.

Reason for Performing Phase I

MACERICH indicated that this assessment was requested in association with a property transaction.



3.0 **ENVIRONMENTAL ASSESSMENT FINDINGS**

Property Name: Mervyn's Department Store

Site Address: 5010 Northgate Mall, The Mall at Northgate, Marin County, San Rafael,

California

Owner: Macerich

3.1 **CURRENT SITE INFORMATION**

Property Type: Retail

Date of Site Inspection: December 19, 2008

Property Size: Approximately 1 acre

Number and Size of

Mervyn's is one, two-story building that is attached to the larger Mall at Northgate Shopping Center. Other anchor tenants at the **Buildings Onsite:**

shopping center (not part of the subject property) include Macy's, Sears, and Century Theatres. The store contains approximately

81,617 square feet.

Construction Date: 1985

Current Site Usage: The subject property is currently developed as a Mervyn's retail

department store.

Tenants: Mervyn's. It is Bureau Veritas' understanding that Mervyn's will

vacate the subject property around December 2008.

All interior and exterior areas were inspected on foot. Bureau , Areas Inspected:

Veritas did not have access to the roof.

Physical Setting

Estimated Depth to Groundwater: Depth to groundwater ranges from ~ 5 feet

below grade to ~15 feet below grade.

Gradient Direction: At nearby gas stations (Section 3.9), gradients

are generally west to north-north west, but may also have smaller southwest components.

Geology: At nearby gas stations (Section 3.9), soils consist of silt, gravelly silt, clayey sand, clayey sand with gravel, and sandy clay to depths exceeding 25 feet below grade.



3.2 PRIOR USE INFORMATION

Summary of Prior Uses/Dates

The historical research presented in this assessment has established the use of the subject property since 1914. The subject property was undeveloped land until developed by the Northgate Shopping Center into a parking lot about 1965. The current subject property building was reportedly built in 1985 as a Mervyn's Department store. The surrounding area was also being residentially and commercially developed.

City Directory Review

City Directories were requested from EDR. Historical city directories were provided for the period between 1972 and 2008 (Appendix F). A summary of the listings for the subject and adjoining properties is shown below.

Address	Year/Date Range	Listing(s)			
Subject Property:					
5010 Northgate Mall	1972, 1976, 1981, 1985	No listings found			
	1995, 2000, 2008	Mervyn's			
Adjoining/Nearby Properties:					
Various addresses	1972, 1976, 1981, 1985	Street not listed			
	1995, 2000, 2008	Northgate Mall and other retail listings that appear to be associated with the mall.			

Aerial Photograph Review

Historical aerial photographs were requested from EDR. Historical aerial photographs were provided for the period between 1946 and 2005 (Appendix C). Photographs reviewed are summarized as follows:

Date	Scale	Comments
1946	655'	The subject property and surrounding areas are primarily vacant, undeveloped land. The alignment of I-101 is present, running generally from the north to the southeast. A small road following the alignment of the present day Los Ranchitos Road is also present.
1952	555'	No significant changes were depicted with respect to the 1946 photograph, except that some residential development is now seen to



Date	Scale	Comments
		the southeast of the subject property.
1965	333'	Buildings (not including Mervyn's) and parking lots of Northgate Mall are now present. The subject property, Mervyn's, is shown as a parking lot. The perimeter roads that encircle the present day shopping center are present, but the southern part of the area is not yet developed and appears graded. The existing shopping center buildings appear to be free-standing and not enclosed as today. Additional commercial and residential development is present and roads and I-101 appear as they do now. It appears that three of the four gas stations located north of the subject property on Del Presidio Blvd. are present.
1982	690'	The subject property is still a parking lot within the shopping center. The shopping center has been further developed and considerable commercial and residential development is shown in the surrounding areas.
1993	666	The Mervyn's building is now present at the west side of the shopping center. The parking structure to the south of Mervyn's is also now present. The surrounding areas are substantially the same as shown in the 1982 photo.
1998	666'	No significant changes were depicted with respect to the 1993 photograph.
2005	484'	No significant changes were depicted with respect to the 1998 photograph.

Historical Topographic Map Review

Historical topographic maps were requested from EDR. Historical topographic maps were provided for the period between 1914 and 1980 (Appendix D). The maps depicted the following:

Date	Comments
1914	The subject property is depicted as vacant, undeveloped land.
1954	No significant changes were depicted with respect to the 1914 map, except, I-101 is shown running north to south and some residential development shown to the southwest.
1980	The Northgate Mall is shown, but the Mervyn's building does not appear to be present. The surrounding areas show considerable commercial and residential development.



Fire Insurance Map Review

Sanborn Fire Insurance Maps were requested from EDR. Fire insurance maps were not available according to EDR. The "No Coverage" notice is provided in Appendix E.

3.3 CITY/COUNTY FILE REVIEW/INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

Agency: Marin County Assessors Office

Permits/Comments: The Marin County Assessors Office was contacted on November 19, 2008. The Assessors office confirmed that the Parcel number is 175-060-60.

Agency: San Rafael Fire Department

Permits/Comments: The San Rafael Fire Department (SRFD) was contacted on November 19, 2008 to obtain information regarding violations, releases, or environmental concerns regarding the subject property. Fire Department representatives indicated that the SRFD does not maintain records related to hazardous materials, spills, etc.

Agency: Department of Toxic Substances Control

Permits/Comments: The Department of Toxic Substances Control (DTSC) was contacted on November 19, 2008 to obtain information regarding violations, releases, or environmental concerns regarding the subject property. According to DTSC staff, there are no records on file for the subject property

Agency: Regional Water Quality Control Board

Permits/Comments: The Regional Water Quality Control Board (RWQCB) was contacted on November 19, 2008 to obtain information regarding violations, releases, or environmental concerns regarding the subject property. According to Melinda Wong, the records they have are available for review on the GeoTracker web site (see section 3.9).

Agency: San Rafael Building Department

Permits/Comments: The San Rafael Building department was visited on December 19, 2008 to obtain information regarding violations, releases, or environmental concerns regarding the subject property. The Building Department was not able to provide documentation related to original construction dates. Building department staff did not have any knowledge regarding the past history of use or any potential *recognized environmental conditions* associated with the subject property.

3.4 PREVIOUS REPORTS

No previous reports were available for review during this assessment.



3.5 GENERAL OBSERVATIONS

At the time of the walkthrough, the areas associated with the subject property was developed as a retail department store, consisting of one, two-story building of concrete block construction. The subject building is located within the larger The Mall at Northgate Shopping Center, and is "attached" on the east side to the interior of the mall. A loading dock is located at the south side of the subject building, and contains a hydraulic trash compactor. On the west side of the building is a diesel-powered emergency generator, within a chain link enclosure. A utility-owned pad-mounted transformer is located beside the generator enclosure. Landscaping is present in islands throughout the parking areas and sidewalks.

Most of the interior areas of the subject building are developed as retail space, containing clothing, jewelry, bedding, and other housewares. Retail areas are finished with ceramic and/or vinyl floor tile, carpet, painted drywall, and suspended acoustical ceiling tiles. Warehouse areas are primarily located along the west side of the building behind the loading dock. Finishings in warehouse areas consist mostly of exposed concrete and ceiling, and drywall. Office areas were generally finished with vinyl floor tile and suspended acoustical ceiling tiles. There is one set of escalators between the first and second floor shopping areas, and there are two hydraulic elevators (one freight elevator in the warehouse area and one passenger elevator in the main shopping area). The elevator equipment room was inspected and no spills or leaks were noted. The elevator pits themselves were inaccessible.

Interior and exterior areas of the subject property appeared to be in good condition.

3.6 INTERVIEWS

Bureau Veritas Interviewed the subject property owner and site manager as noted in the sections below.

Interview with Owner

See section 2.0 for additional information provided by the site owner.

Interview with Site Manager (or other site access contact/occupant)

Mr. Anthony Edwards was contacted in person on December 18, 2008. Mr. Edwards was forthcoming with information for which he had knowledge. Mr. Edwards has been associated with the subject property for approximately a year and a half. Mr. Edwards provided general information regarding historic and current operations at the subject property. Mr. Edwards` is unaware of any environmental issues of concern associated with the subject property, and stated that he was unaware of any USTs or ASTs historically or currently located on the subject property. Mr. Edwards indicated that the mall was built in 1965, and at that time the buildings were "free-standing" and not enclosed in a mall. He indicated that the Mervyn's building was built in 1985 (as a free-standing building), at which time the entire mall was "enclosed."

Mr. Edwards was asked if he was aware of any of the following:



Any pending, threatened, or past litigation relevant to hazardous substances or etroleum products in, on, or from the property. Yes XX No.						
Any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property. Yes XX No						
Any notices from any governmental entity regenvironmental laws or possible liability relatin petroleum products.		Yes	XX	No		
Interviews with Others						
No other interviews were conducted.						
3.7 CURRENT SITE CONDITIONS						
Stained Soil	Yes	No	XX			
Distressed Vegetation	Yes	No	XX			
Chemical/Hazardous Materials Storage	Yes	No	XX			
Comments (types, amount, location)	: None					
Sumps/Pits/Floor Drains	Yes	No	XX			
Comments (types, amount, location) dock.	: A storm drain	is located at the ba	ise of the	e loadir	ng	
Leachfields/Septic Tank	Yes	No	XX			
Comments (location, condition): The municipal sewer since initial construction		ty has been conne	cted to th	ne		
Source of Fuel for Heating: Natural gas						



Wells			Yes		No	XX
Waste	e Handling and Disposal	:			-	
	Comments (types, amou	ınt, location):				
	Non-hazardous solid was loading dock of the subject					ctor, located in the
Poten	ntial PCB-Containing Equ	iipment	Yes		No	XX
	<u>Type</u>	Ownership		Condition / Co	<u>mment</u>	<u>s</u>
	A pad-mounted transformer is located at the west side of the building in a landscaped area.	Utility-owned (P	G&E)	Good		
	Hydraulic Trash Compactor	Mervyn's			no leak	ared to be in good ing in the vicinity observed.
Abov	eground Storage Tanks ((ASTs)	Yes		No	XX
approany le	Comments: The subject property has a diesel-fired backup generator equipped with an approximately 85-gallon belly tank. The tank is enclosed within the generator, which would contain any leaks from the tank. Diesel staining was observed on the concrete pad, the apparent result of overfills (see photos). The minor spillage is considered to be <i>de minimis</i> .					
Unde	rground Storage Tanks (USTs)	Yes		No	xx
3.8	ADJACENT SITE LANI	O USES				
North	A large parking lot, followed by Las Galin Avenue, across which four gas on Del Presid	are	grour	our gas stations ndwater monitor on 3.9)		



		_	
East	The Mall at Northgate, parking lots, Rite Aid, followed by Los Ranchitos Road.	Comments	
South	A large parking structure, followed by parking lots and Northgate Drive, followed by residential development.	Comments	
West	Parking lot followed by Northgate Drive with a vegetated hill beyond.	Comments	

3.9 REGULATORY SEARCH (ADJACENT OR UPGRADIENT SITES WITHIN ¼ MILE OF SUBJECT PROPERTY)

The subject property was identified in the EMI (Emissions Inventory Database) database. This listing reflects the emergency generator and does not represent a release.

The database review identified twelve different locations within 1/8-mile from the subject property. A complete listing of these sites is included in Appendix I. Most of the sites present no environmental concern to the subject property because they only hold an operating permit (which does not imply a release), require no further action, reflect RCRA "small quantity generator" status, or based upon Bureau Veritas' review, are too distant and/or topographically down-gradient or cross-gradient relative to the subject property to reasonably affect it.

The computer database review identified the following selected facilities, generally within 1/8 mile from the subject property, for additional discussion.

Facility	Database	Orientation from Subject Site (miles)	Environmental Concern/Reason
Goodyear Tire and Rubber Ca. 496 Las Gallinas Avenue	HIST UST	<1/8 mile, east across shopping center and across street; cross-down gradient	No; distance and gradient



Facility	Database	Orientation from Subject Site (miles)	Environmental Concern/Reason
Sears/Jiffy Lube/Sears Auto Ctr 9000 Northgate	RCRA-SQG, FINDS, HAZNET,AST, HIST UST	<1/8 mile; at far edge of shopping center; up- to cross-gradient	No; no indication of a release and distance
Kerns and Walker Cleaners 412 Las Gallinas Avenue	RCRA-SQG, FINDS, HAZNET	<1/8 mile, east across shopping center and across street; cross-down gradient	No; no indication of a release, distance and gradient
Four Gasoline Service Station Locations, all on Del Presidio Boulevard	Multiple (see below)	<1/8 mile, north, across large parking lot, across Las Gallinas Avenue; down- to cross-gradient	See below

The following sites that may pose an environmental concern to the subject property were evaluated in more detail:

• There are multiple listings with different names for these four sites. Currently, they are: 921 Del Presidio (76 Service Station No. 4774), 930 Del Presidio (Valero), 949 Del Presidio (Chevron Service Station #90166), and 950 Del Presidio (Shell). There are multiple database listings for these sites including, RCRA-SQG, UST, LUST, CHMIRS, Cortese, CA FID UST, HIST UST, SWEEPS UST, RCRA-LQG, and HAZNET. All four sites have active monitoring programs in place and selected sections of current monitoring reports are included in Appendix H. According to information contained in these reports, soils consist of silt, gravelly silt, clayey sand, clayey sand with gravel, and sandy clay to depths exceeding 25 feet below grade. Depth to groundwater ranges from ~ 5 feet below grade to ~15~ below grade, with a general west to north-north west gradient, which is cross- to down-gradient from the subject property. Based on gradient and distance, these sites pose low concern to the subject property.

Unmappable sites are sites that cannot be plotted with confidence, but can be located by zip code or city name. In general, a site cannot be geocoded due to inaccurate or missing information in the environmental database record provided by its applicable agency. Cross referencing addresses and site names, as well as a visual reconnaissance of surrounding properties, has been completed for the unmappable facility sites in the database report. The subject and adjacent properties were not identified



on the unmappable sites listing in the environmental database report. No unmappable sites were identified with the potential to impact the subject property.



4.0 FINDINGS, OPINIONS, AND CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E 1527-05 of the Mervyn's department store located at 5010 Northgate Mall, The Mall at Northgate, Marin County, San Rafael, California the subject property. Any exceptions to or deletions from this practice are described in Section 1.3.

This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property.

Certification of both Environmental Professionals signing below: I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

This report was prepared by:

Richard D. Fehler, QEP, REA Director National Accounts Environmental Services San Francisco Regional Office Bureau Veritas North America, Inc.

This report reviewed by:

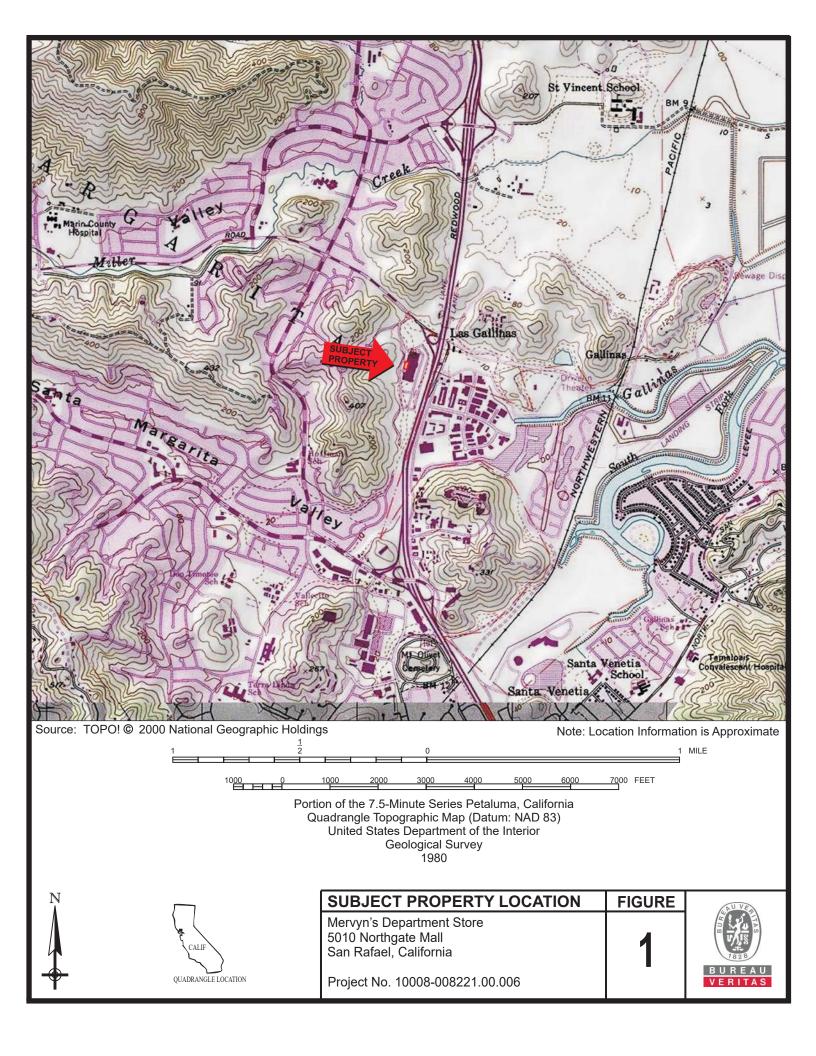
Trevor Donaghu, REA Manager, National Accounts National Programs San Francisco Regional Office Bureau Veritas North America, Inc.

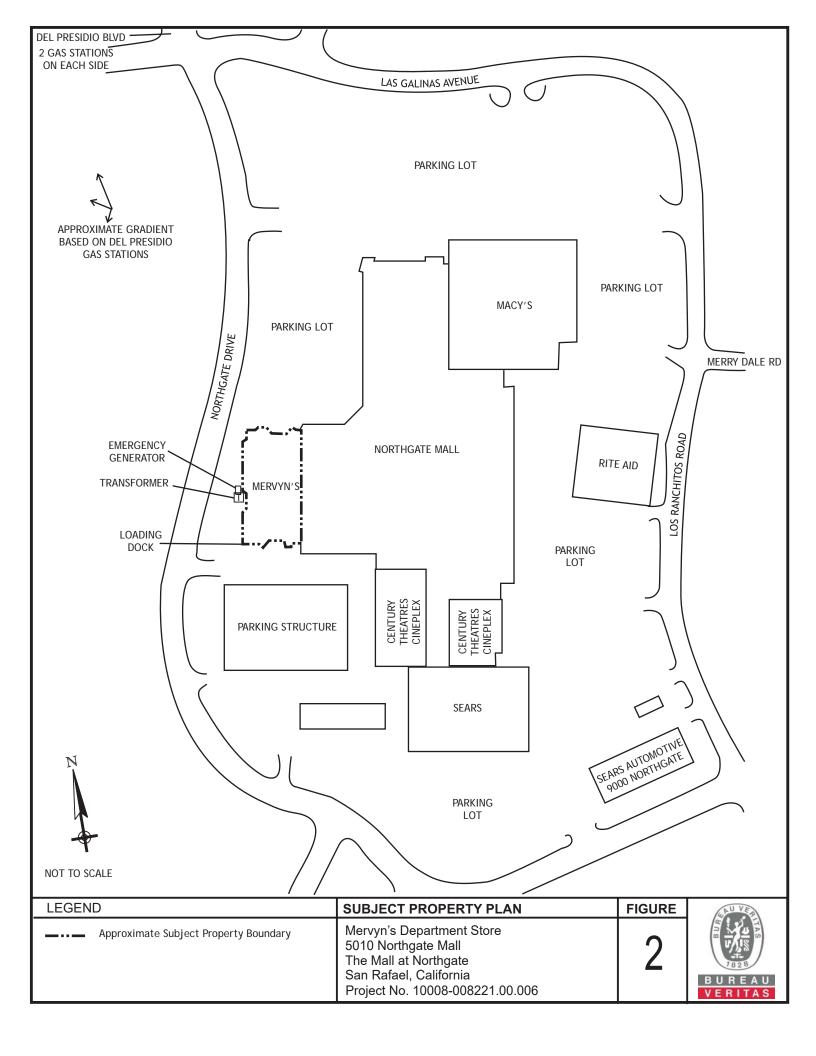
January 5, 2009

Bureau Veritas Project No. 10008-008221.00



FIGURES







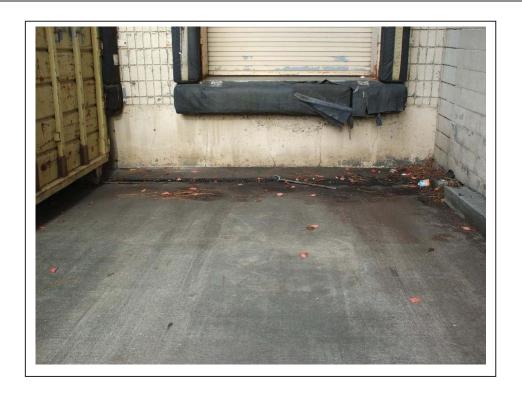
PHOTOGRAPHS



Project No. 10008-008221.00	Description	South side of Mervyn's from the parking structure.	1
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



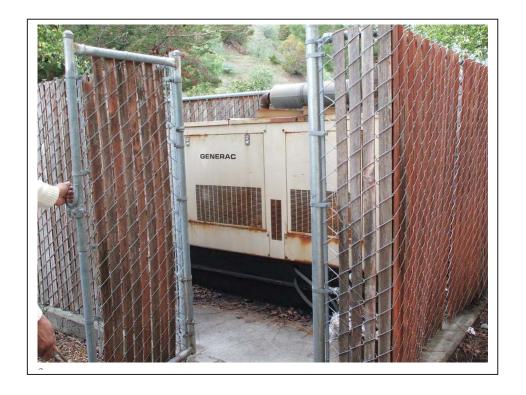
Project No.	Description	Loading dock with trash compactor (south side).	2
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Trench drain at base of loading dock.	3
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	View along west side of Mervyn's. Emergency generator and transformer are behind grey storage boxes.	4
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Emergency generator in enclosure.	5
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Fill port in generator belly tank, and de minimis diesel spillage on concrete pad.	6
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	De minimis diesel staining on generator pad.	7
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Utility-owned transformer adjacent to emergency generator enclosure.	8
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	North side of Mervyn's building.	9
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Entrance to Mervyn's from inside mall (east side).	10
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No. 10008-008221.00	Description	Lower warehouse area behind loading dock doors.	11
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Typical HVAC ducts.	12
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Freight elevator.	13
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Equipment in elevator equipment room.	14
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Equipment in elevator equipment room.	15
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Cleaning supply storage area.	16
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Cardboard bailer in warehouse area.	17
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Employee break room.	18
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Typical back office area.	
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Sales floor.	
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Sales floor.	
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Description	Passenger elevator.	
10008-008221.00	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.	Descri
10008-008221.00	Name

Description	Escalators	
Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of Northgate, San Rafael, California 94903	Photo Date 12/18/2008



Project No.
10008-008221.00

)	Description	View south from offsite, Del Presidio Street (four gas stations).	
	Description	Mervyn's building is in center background.	
	Name	Mervyn's Department Store, 5010 Northgate Mall, The Mall of	Photo Date
		Northgate, San Rafael, California 94903	12/18/2008

AEI Consultants

August 6, 2009

284110/NorthgateMall/09-003136-01-1 284110

Ms. Thomas,

The attached report was prepared for US Bank by AEI Consultants. You have requested a copy of this report and AEI Consultantsis providing you a copy subject to the following conditions:

- The report reflects the condition of the subject property on the date of the assessment and may not reflect its current condition.
- AEI Consultantsappreciates the opportunity to work with you on this project, and trusts that this information is sufficient for your needs.

If you have any questions or comments, or need additional information, please call our office at 925-746-6000. Once again, thank you for your continued confidence in AEI Consultants.

Sincerely, Brie Solaegui Project Manager

AEI Consultants

Phase I Environmental Site Assessment Report

Northgate Mall 5800 Northgate Mall San Rafael, California 94903

Prepared for

US Bank 950 17th St., 12th Floor Denver, Colorado 80202

Prepared by

AEI Consultants 2500 Camino Diablo Walnut Creek, California 94597 Phone: 925.283.6000

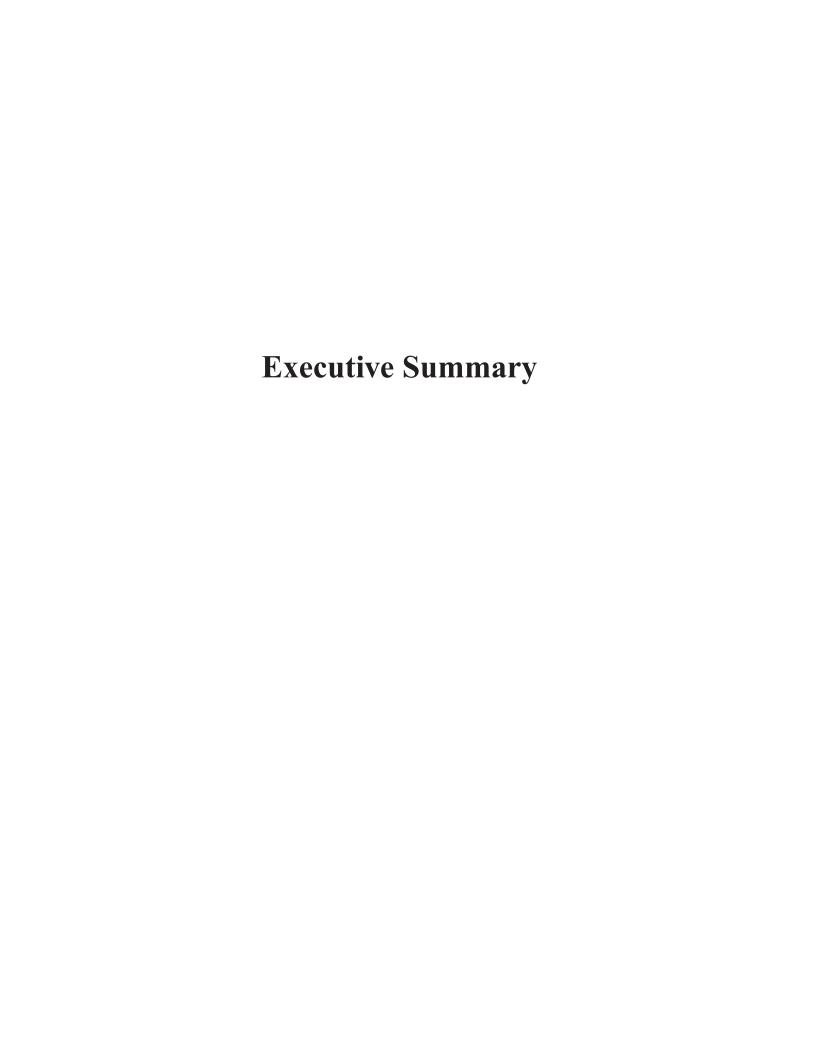
> Job Number: 284110 08/06/2009

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General Information

Project Information:

284110/NorthgateMall/09-003136-01-1

Project Number: 284110 **RIMS Project #:** 09-003136-01-1

Consultant Information:

AEI Consultants 2500 Camino Diablo

Walnut Creek, CA 94597 925.283.6000 Phone:

925.746.6099 Fax:

E-mail Address: bsolaegui@aeiconsultants.com

Inspection Date: 07/14/2009Report Date: 08/06/2009 Site Information:

Northgate Mall 5800 Northgate Mall San Rafael, CA 94903

County: Marin

Latitude, Longitude: 38.005200, -122.544000

Site Access Contact:

Client Information:

US Bank Karla Thomas

950 17th St., 12th Floor Denver, CO 80202

Site Assessor:

Brie A Solazzo Brie Solaegui Project Manager

Senior Reviewer:

On Behalf Of Peter McIntyre, PG, REA - Senior Project

Orion Alcalay Reviewer Vice President, Due Diligence Services

EP Certification:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of this part.

Orion Alcalay - Vice President, Due Diligence Services

Standard Certification:

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Brie Solaegui - Project Manager

1.0 Executive Summary

Brie A Solaepu

1.1 Subject Property Description

The subject property is bound by Las Gallinas Avenue to the north and northeast, Los Ranchitos Road to the east, and Northgate Drive to the west and south and is bisected by Northgate Mall. The site is located in a mixed commercial and residential area of San Rafael, California. The property totals approximately 66.32 acres and is improved with two single-story buildings, one mixed one- and two-story building and one building that is currently under construction, totaling approximately 713,000 square feet. The buildings are occupied by various retail businesses within the Northgate Mall (5800 Northgate Mall), as well as Macy's (1000 Northgate Mall). Sears and Sears Northgate Mall), Rite Aid (1500 Northgate Drive), Applebees (3050 Northgate Mall), Sears and Sears Automotive Center (9000 Northgate Mall). In addition to the subject property buildings, the property is improved with asphalt-paved parking areas and associated landscaping.

1.1 Subject Property Description (continued)

Various subject property tenants (current and former) were identified in the regulatory database as Resource Conservation Recovery Act (RCRA) Small Quantity Generator (SQG), Facility Index Site (FINDS), California Hazardous Materials Incident Report System (CHMIRS), Haznet, National Pollutant Discharge Elimination System (NPDES), Drycleaners, Historical (HIST) Underground Storage Tank (UST), Emissions Inventory (EMI) and Aboveground Storage Tank (AST) sites, and are further discussed in Section 6.0.

According to historical sources, the current subject property mall buildings were constructed beginning sometime between 1960 and 1965 for use as commercial buildings, the current automotive repair building (and associated gasoline dispensers) was constructed in 1971 and several more retail buildings were present on the site by 1980. By 1993 the site was developed as it is today. Prior to the construction of the buildings, the property was vacant land from at least 1946 to 1954. Addresses associated with the subject property include 1000-9000 Northgate Mall. This address range was researched during this investigation.

Please refer to Sections 4.2, 6.0 and 8.0 for further information regarding the current and former auto repair operations.

The immediately surrounding properties consist of Las Gallinas Avenue followed by offices (920 Northgate Drive), a 76 Gas Station (921 Del Presidio Boulevard), a Valero Gas Station (923 Del Presidio Boulevard) and various bank/office buildings (600-670 Las Gallinas Avenue) to the north; Las Gallinas Avenue followed by an office building (800 Las Gallinas Avenue), a shopping center (400-470 Las Gallinas Avenue), Goodyear Tire (496 Las Gallinas Avenue), Chase Bank (300 Las Gallinas Avenue) and Los Ranchitos Road followed by a cemetery to the east; Northgate Drive followed by an office building (555 Northgate Drive) and various single- and multi-family residences to the south; and Northgate Drive followed by vacant land and an office building (899 Northgate Drive) to the west.

Adjacent sites to the east beyond Las Gallinas Avenue were identified in the regulatory database as HIST UST, Drycleaners, FINDS, Haznet and RCRA SQG sites, while adjacent sites to the north beyond Las Gallinas Avenue were identified as RCRA SQG, RCRA Large Quantity Generator (LQG), UST, HIST Cortese, Leaking Underground Storage Tank (LUST), CHMIRS, HIST UST, Statewide Environmental Evaluation and Planning System (SWEEPS) UST, California (CA) Facility Inventory Database (FID) UST and UST sites and are further discussed in Section 6.0.

Based upon topographic map interpretation, groundwater flow beneath the subject property is inferred to be to the east-northeast and based on groundwater monitoring data for a nearby site, groundwater is expected to be encountered at 1 to 12 feet below ground surface (bgs).

1.2 Environmental Report Summary

Recognized environmental conditions (RECs) are defined by the ASTM Standard Practice E1527-05 as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. AEI's investigation has revealed the following recognized environmental conditions associated with the subject property or nearby properties:

• The subject property Sears Automotive Center is currently equipped with 14 belowground hydraulic lifts and was formerly equipped with an additional three belowground hydraulic lifts. No information identifying the specific installation date was available for review, therefore these lifts were presumably installed in 1971 when the automotive center was constructed and based on the pre-1977 installation of the lifts, the potential exists that the hydraulic fluid within the lift systems previously contained polychlorinated biphenyls (PCBs). In 1996, three lifts were removed from the subject property and the soil was found to contain up to 11,000 parts per million Total Petroleum Hydrocarbons as hydraulic oil (TPH-h) as well as polychlorinated biphenyls (PCBs) at 0.48 ppm. Groundwater was not encountered to seven feet bgs (soil boring maximum depth) and therefore no groundwater samples were collected. Additional soil was excavated to remove the contaminated soil; however, no confirmation sampling was performed. Due to the age of the equipment, the integrity of the current hydraulic lifts is unknown; however, as contamination was discovered in relation to the removed lifts the potential exists that the current lifts may have also leaked. In

1.2 Environmental Report Summary (continued)

addition, due to the shallow depth to groundwater at the property, the potential exists that groundwater could be impacted by such a release. Therefore, based on the presence of the hydraulic lifts and the unknown concentrations of contamination remaining in the soil surrounding the removed lifts, the current and former presence of belowground hydraulic lifts represents a recognized environmental condition.

- Sears Automotive Center is reportedly equipped with an oil/water separator, which appears to be connected to a trench drain that runs the length of the repair shop. The separator is reportedly emptied by a third party. No information identifying the specific installation date was available for review, therefore the oil/water separator was presumably installed in 1971 when the automotive center was constructed. Additionally, no information regarding past sampling of the separator was available. Oil/water separators have the potential to act as conduits to the subsurface of properties. Due to the use of the subject property for vehicle repair, the potential use of perchloroethylene (PCE) and trichloroethylene (TCE) by Sears (as identified in regulatory database) in the auto repair operations and the lack of information indicating the length of time the separator has been located onsite, there is a potential that contaminants such as oils or solvents present in the waste stream could impact the soil beneath the property if the separator or associated drain system has become compromised. On this basis, the presence of the clarifier represents a recognized environmental condition.
- According to historical sources, it appears the subject property was developed with a gas station and automotive center in 1971/1972. According to a November 1999 San Rafael Fire Department (SRFD) letter to Sears, Roebuck and Co, up to eight gasoline, waste oil and/or new oil underground storage tanks (USTs) were associated with the onsite Sears Automotive Center and were reportedly removed from the subject property in 1985 and 1987 while fuel island dispensers and products lines were removed from the site in 1994. However, a Marin County Environmental Health Department (MCEHD) UST removal application and a UST removal invoice provided by the client only identified the removal of four USTs and it is therefore unclear if USTs remain on the subject property. In a March 1987 "Clearance" letter to Sears, Roebuck Co., the MCEHD indicated that the "analysis of samples of the soil and groundwater at the above site indicated a safe level or absence of any residual of the product formerly stored in underground storage tanks" at the subject property; however, it is unknown whether any residual contamination remains at the subject property and according to the 1999 SRFD letter, further soil borings and groundwater samples were needed at the site to sample for Methyl tert-Butyl Ether (MtBE) prior to site closure per the Regional Water Quality Control Board (RWQCB). No information regarding the testing of the site for MtBE was provided to AEI or available at the MCEHD, SRFD or RWQCB. While a 1987 "Clearance" letter does exist for the property, based on the lack of sampling data associated with the removal of the USTs, the lack of MtBE sampling; and the lack of removal documentation available for the USTs, it is unknown whether any contamination or USTs remain at the subject property and therefore the USTs represent a significant environmental concern.

<u>Historical recognized environmental conditions (HRECs)</u> are defined by the ASTM Standard Practice E1527-05 as an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. AEI's investigation has revealed the following historical recognized environmental conditions associated with the subject property or nearby properties:

• No on-site historical recognized environmental conditions were identified during the course of this investigation.

<u>Environmental issues</u> include environmental concerns identified by AEI that warrant discussion but do not qualify as recognized environmental conditions, as defined by the ASTM Standard Practice E1527-05. AEI's investigation has revealed the following environmental issues associated with the subject property or nearby properties:

• Due to the age of the subject property buildings, there is a potential that asbestos-containing materials (ACMs) are present. All suspect ACMs were observed in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. In the event that building renovation or demolition activities are planned, an asbestos survey adhering to Asbestos Hazard Emergency Response Act (AHERA) sampling protocol should be performed prior to demolition or renovation activities that may disturb suspect ACMs.

1.2 Environmental Report Summary (continued)

Due to the age of the subject property buildings, there is a potential that lead-based paint (LBP) is present. All observed painted surfaces were in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. Local regulations may apply to lead-based paint in association with building demolition/renovations and worker/occupant protection. Actual material samples would need to be collected or an XRF survey performed in order to determine if LBP is present. It should be noted that construction activities that disturb materials or paints containing *any amount* of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62

		Results	Recommendations	Cost Estimate Range
1.3	Data Gaps	Low-Risk	None	
3.2	Activity and Use Limitations	No Risk	None	
4.1	Environmental Liens	No Risk	None	
5.1	Historical Background	Potentially Sig. Risk	Phase II	Approximately \$20,000 for UST/clarifier/ belowground lift sampling
5.2	Subject Property	Potentially Sig. Risk	Phase II	See cost estimate for Historical Background
5.3	Adjoining Properties	Low-Risk	None	
6.0	Federal, State, Local & Tribal Database Listings		None	
7.1	Hazardous Substances	Low-Risk	None	
7.2	Unidentified Containers	No Risk	None	
7.3	Staining	No Risk	None	
7.4	Stressed Vegetation	No Risk	None	
7.5	Aboveground Storage Tanks (ASTs)	Low-Risk	None	
7.6	Underground Storage Tanks (USTs)	Potentially Sig. Risk	Phase II	Approximately \$2,000
7.7	Pits, Ponds, And Lagoons	No Risk	None	
7.8	PCB-Containing Equipment	Potentially Sig. Risk	Phase II	See cost estimate for Historical Background
7.9	Solid Waste Disposal	No Risk	None	
7.10	Wetlands	No Risk	None	
7.11	Septic System with On-Site Drainfield	No Risk	None	
7.12	Oil/Water Separator	Potentially Sig. Risk	Phase II	See cost estimate for Historical Background
7.13	Dry Wells or Injection Wells	No Risk	None	
7.14	Contamination of Soil	No Risk	None	
7.15	Contamination of Groundwater	No Risk	None	
7.16	Vapor Intrusion	No Risk	None	
7.17	Use of Pesticides on Site	No Risk	None	
7.18.1	Asbestos	Low-Risk	None	
7.18.2	Lead	Low-Risk	None	
7.18.3	Radon	Low-Risk	None	
7.18.4	Lead in Drinking Water	Low-Risk	None	
7.18.5	Mold	Low-Risk	None	
7.18.6	All Other Concerns	Not Applicable	None	
7.10.0	Au Omei Conceins	тчот дррпсавіс	TYONG	

1.2 Environmental Report Summary (continued)

Report Section		Results	Recommendations	Cost Estimate Range
8.0	Interviews	Potentially Sig. Risk	Phase II	See cost estimate for
				Historical
				Background

1.3 Data Gaps

The following data gap was identified during the course of this investigation:

The earliest historical resource obtained during this investigation was an aerial photograph from 1946. The lack of historical sources for the subject property between 1940 and 1946 represents historical data source failure. However, in the 1946 aerial photograph, the subject property and surrounding area appear as vacant land. Thus, it is assumed that prior to 1957 the subject property would have been undeveloped. Based on this notion, this data gap is not expected to significantly alter the findings of this investigation.

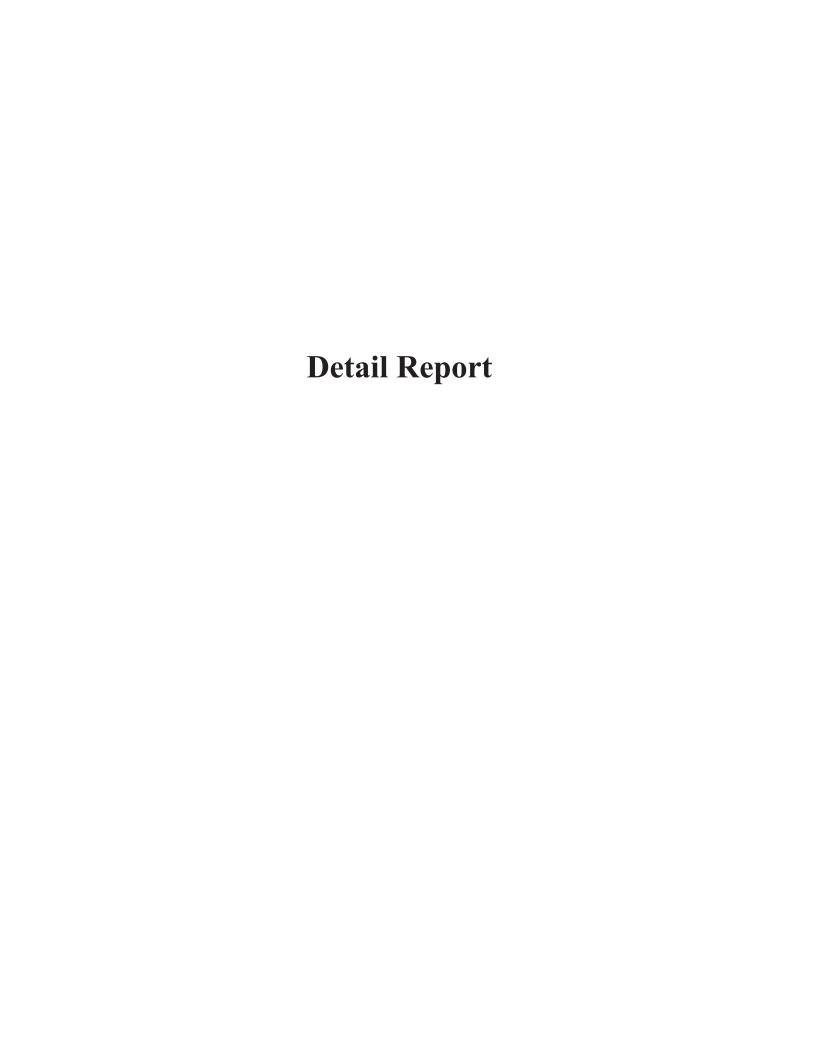
1.4 Findings and Opinions

AEI's investigation revealed recognized environmental conditions associated with the subject property that require further investigation.

1.5 Recommendations

Subsurface sampling in the vicinity of the current and former lifts, area of the clarifier and area of the former USTs is recommended to determine if the historical and current use of hazardous materials by Sears, Roebuck and Co. has affected the subject property.

Additionally, a geophysical survey would need to be performed to determine if any USTs currently remain on the subject property.



General Information

Project Information:

284110/NorthgateMall/09-003136-01-1

Project Number: 284110 **RIMS Project #:** 09-003136-01-1

Consultant Information:

AEI Consultants 2500 Camino Diablo

Walnut Creek, CA 94597

925.283.6000 Phone: 925.746.6099 Fax:

E-mail Address: bsolaegui@aeiconsultants.com

Inspection Date: 07/14/2009Report Date: 08/06/2009 Site Information:

Northgate Mall 5800 Northgate Mall San Rafael, CA 94903

County: Marin

Latitude, Longitude: 38.005200, -122.544000

Site Access Contact:

Client Information:

US Bank Karla Thomas

950 17th St., 12th Floor Denver, CO 80202

Site Assessor:

Brie A Solayo Brie Solaegui Project Manager

Senior Reviewer:

On Behalf Of Peter McIntyre, PG, REA - Senior Project

Orion Alcalay Reviewer Vice President, Due Diligence Services

EP Certification:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of this part.

Orion Alcalay - Vice President, Due Diligence Services

Standard Certification:

Brie A Solaeze

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Brie Solaegui - Project Manager

1.0 Executive Summary

1.1 Subject Property Description

The subject property is bound by Las Gallinas Avenue to the north and northeast, Los Ranchitos Road to the east, and Northgate Drive to the west and south and is bisected by Northgate Mall. The site is located in a mixed commercial and residential area of San Rafael, California. The property totals approximately 66.32 acres and is improved with two single-story buildings, one mixed one- and two-story building and one building that is currently under construction, totaling approximately 713,000 square feet. The buildings are occupied by various retail businesses within the Northgate Mall (5800 Northgate Mall), as well as Macy's (1000 Northgate Mall), Rite Aid (1500 Northgate Drive), Applebees (3050 Northgate Mall), Sears and Sears Automotive Center (9000 Northgate Mall). In addition to the subject property buildings, the property is improved with asphalt-paved parking areas and associated landscaping.

Various subject property tenants (current and former) were identified in the regulatory database as Resource Conservation Recovery Act (RCRA) Small Quantity Generator (SQG), Facility Index Site (FINDS), California Hazardous Materials Incident Report System (CHMIRS), Haznet, National Pollutant Discharge Elimination System (NPDES), Drycleaners, Historical (HIST) Underground Storage Tank (UST), Emissions Inventory (EMI) and Aboveground Storage Tank (AST) sites, and are further discussed in Section 6.0.

According to historical sources, the current subject property mall buildings were constructed beginning sometime between 1960 and 1965 for use as commercial buildings, the current automotive repair building (and associated gasoline dispensers) was constructed in 1971 and several more retail buildings were present on the site by 1980. By 1993 the site was developed as it is today. Prior to the construction of the buildings, the property was vacant land from at least 1946 to 1954. Addresses associated with the subject property include 1000-9000 Northgate Mall. This address range was researched during this investigation.

Please refer to Sections 4.2, 6.0 and 8.0 for further information regarding the current and former auto repair operations.

The immediately surrounding properties consist of Las Gallinas Avenue followed by offices (920 Northgate Drive), a 76 Gas Station (921 Del Presidio Boulevard), a Valero Gas Station (923 Del Presidio Boulevard) and various bank/office buildings (600-670 Las Gallinas Avenue) to the north; Las Gallinas Avenue followed by an office building (800 Las Gallinas Avenue), a shopping center (400-470 Las Gallinas Avenue), Goodyear Tire (496 Las Gallinas Avenue), Chase Bank (300 Las Gallinas Avenue) and Los Ranchitos Road followed by a cemetery to the east; Northgate Drive followed by an office building (555 Northgate Drive) and various single- and multi-family residences to the south; and Northgate Drive followed by vacant land and an office building (899 Northgate Drive) to the west.

Adjacent sites to the east beyond Las Gallinas Avenue were identified in the regulatory database as HIST UST, Drycleaners, FINDS, Haznet and RCRA SQG sites, while adjacent sites to the north beyond Las Gallinas Avenue were identified as RCRA SQG, RCRA Large Quantity Generator (LQG), UST, HIST Cortese, Leaking Underground Storage Tank (LUST), CHMIRS, HIST UST, Statewide Environmental Evaluation and Planning System (SWEEPS) UST, California (CA) Facility Inventory Database (FID) UST and UST sites and are further discussed in Section 6.0.

Based upon topographic map interpretation, groundwater flow beneath the subject property is inferred to be to the east-northeast and based on groundwater monitoring data for a nearby site, groundwater is expected to be encountered at 1 to 12 feet below ground surface (bgs).

1.2 Environmental Report Summary

Recognized environmental conditions (RECs) are defined by the ASTM Standard Practice E1527-05 as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. AEI's investigation has revealed the following recognized environmental conditions associated with the subject property or nearby properties:

• The subject property Sears Automotive Center is currently equipped with 14 belowground hydraulic lifts and was formerly equipped with an additional three belowground hydraulic lifts. No information identifying the specific installation date was available for review, therefore these lifts were presumably

1.2 Environmental Report Summary (continued)

installed in 1971 when the automotive center was constructed and based on the pre-1977 installation of the lifts, the potential exists that the hydraulic fluid within the lift systems previously contained polychlorinated biphenyls (PCBs). In 1996, three lifts were removed from the subject property and the soil was found to contain up to 11,000 parts per million Total Petroleum Hydrocarbons as hydraulic oil (TPH-h) as well as polychlorinated biphenyls (PCBs) at 0.48 ppm. Groundwater was not encountered to seven feet bgs (soil boring maximum depth) and therefore no groundwater samples were collected. Additional soil was excavated to remove the contaminated soil; however, no confirmation sampling was performed. Due to the age of the equipment, the integrity of the current hydraulic lifts is unknown; however, as contamination was discovered in relation to the removed lifts the potential exists that the current lifts may have also leaked. In addition, due to the shallow depth to groundwater at the property, the potential exists that groundwater could be impacted by such a release. Therefore, based on the presence of the hydraulic lifts and the unknown concentrations of contamination remaining in the soil surrounding the removed lifts, the current and former presence of belowground hydraulic lifts represents a recognized environmental condition.

- Sears Automotive Center is reportedly equipped with an oil/water separator, which appears to be connected to a trench drain that runs the length of the repair shop. The separator is reportedly emptied by a third party. No information identifying the specific installation date was available for review, therefore the oil/water separator was presumably installed in 1971 when the automotive center was constructed. Additionally, no information regarding past sampling of the separator was available. Oil/water separators have the potential to act as conduits to the subsurface of properties. Due to the use of the subject property for vehicle repair, the potential use of perchloroethylene (PCE) and trichloroethylene (TCE) by Sears (as identified in regulatory database) in the auto repair operations and the lack of information indicating the length of time the separator has been located onsite, there is a potential that contaminants such as oils or solvents present in the waste stream could impact the soil beneath the property if the separator or associated drain system has become compromised. On this basis, the presence of the clarifier represents a recognized environmental condition.
- According to historical sources, it appears the subject property was developed with a gas station and automotive center in 1971/1972. According to a November 1999 San Rafael Fire Department (SRFD) letter to Sears, Roebuck and Co, up to eight gasoline, waste oil and/or new oil underground storage tanks (USTs) were associated with the onsite Sears Automotive Center and were reportedly removed from the subject property in 1985 and 1987 while fuel island dispensers and products lines were removed from the site in 1994. However, a Marin County Environmental Health Department (MCEHD) UST removal application and a UST removal invoice provided by the client only identified the removal of four USTs and it is therefore unclear if USTs remain on the subject property. In a March 1987 "Clearance" letter to Sears, Roebuck Co., the MCEHD indicated that the "analysis of samples of the soil and groundwater at the above site indicated a safe level or absence of any residual of the product formerly stored in underground storage tanks" at the subject property; however, it is unknown whether any residual contamination remains at the subject property and according to the 1999 SRFD letter, further soil borings and groundwater samples were needed at the site to sample for Methyl tert-Butyl Ether (MtBE) prior to site closure per the Regional Water Quality Control Board (RWQCB). No information regarding the testing of the site for MtBE was provided to AEI or available at the MCEHD, SRFD or RWQCB. While a 1987 "Clearance" letter does exist for the property, based on the lack of sampling data associated with the removal of the USTs, the lack of MtBE sampling; and the lack of removal documentation available for the USTs, it is unknown whether any contamination or USTs remain at the subject property and therefore the USTs represent a significant environmental concern.

<u>Historical recognized environmental conditions (HRECs)</u> are defined by the ASTM Standard Practice E1527-05 as an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. AEI's investigation has revealed the following historical recognized environmental conditions associated with the subject property or nearby properties:

• No on-site historical recognized environmental conditions were identified during the course of this investigation.

<u>Environmental issues</u> include environmental concerns identified by AEI that warrant discussion but do not qualify as recognized environmental conditions, as defined by the ASTM Standard Practice E1527-05. AEI's investigation has revealed the following environmental issues associated with the subject property or nearby properties:

1.2 Environmental Report Summary (continued)

- Due to the age of the subject property buildings, there is a potential that asbestos-containing materials (ACMs) are present. All suspect ACMs were observed in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. In the event that building renovation or demolition activities are planned, an asbestos survey adhering to Asbestos Hazard Emergency Response Act (AHERA) sampling protocol should be performed prior to demolition or renovation activities that may disturb suspect ACMs.
- Due to the age of the subject property buildings, there is a potential that lead-based paint (LBP) is present. All observed painted surfaces were in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. Local regulations may apply to lead-based paint in association with building demolition/renovations and worker/occupant protection. Actual material samples would need to be collected or an XRF survey performed in order to determine if LBP is present. It should be noted that construction activities that disturb materials or paints containing *any amount* of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62

Report Section		Results	Recommendations	Cost Estimate Range
1.3	Data Gaps	Low-Risk	None	
3.2	Activity and Use Limitations	No Risk	None	
4.1	Environmental Liens	No Risk	None	
5.1	Historical Background	Potentially Sig. Risk	Phase II	Approximately \$20,000 for UST/clarifier/ belowground lift sampling
5.2	Subject Property	Potentially Sig. Risk	Phase II	See cost estimate for Historical Background
5.3	Adjoining Properties	Low-Risk	None	
6.0	Federal, State, Local & Tribal Database Listings Hazardous Substances		None	
7.1 7.2	Hazardous Substances	Low-Risk	None	
7.2	Unidentified Containers	No Risk	None	
7.3	Staining	No Risk	None	
7.4 7.5	Stressed Vegetation	No Risk	None	
7.5	Aboveground Storage Tanks (ASTs)	Low-Risk	None	
7.6	Underground Storage Tanks (USTs)	Potentially Sig. Risk	Phase II	Approximately \$2,000
7.7	Pits, Ponds, And Lagoons	No Risk	None	
7.8	PCB-Containing Equipment	Potentially Sig. Risk	Phase II	See cost estimate for Historical Background
7.9	Solid Waste Disposal	No Risk	None	_
7.10	Wetlands	No Risk	None	
7.11	Septic System with On-Site Drainfield	No Risk	None	
7.12	Oil/Water Separator	Potentially Sig. Risk	Phase II	See cost estimate for Historical Background
7.13	Dry Wells or Injection Wells	No Risk	None	
7.14	Contamination of Soil	No Risk	None	
7.15	Contamination of Groundwater	No Risk	None	
7.16	Vapor Intrusion	No Risk	None	
7.17	Use of Pesticides on Site	No Risk	None	

1.2 Environmental Report Summary (continued)

Report 3		Results	Recommendations	Cost Estimate Range
	Asbestos	Low-Risk	None	
7.18.2	Lead	Low-Risk	None	
7.18.3	Radon	Low-Risk	None	
	Lead in Drinking Water	Low-Risk	None	
	Mold	Low-Risk	None	
7.18.6	All Other Concerns	Not Applicable	None	
8.0	Interviews	Potentially Sig. Risk	Phase II	See cost estimate for
				Historical
				Background

1.3 Data Gaps

The following data gap was identified during the course of this investigation:

The earliest historical resource obtained during this investigation was an aerial photograph from 1946. The lack of historical sources for the subject property between 1940 and 1946 represents historical data source failure. However, in the 1946 aerial photograph, the subject property and surrounding area appear as vacant land. Thus, it is assumed that prior to 1957 the subject property would have been undeveloped. Based on this notion, this data gap is not expected to significantly alter the findings of this investigation.

1.4 Findings and Opinions

AEI's investigation revealed recognized environmental conditions associated with the subject property that require further investigation.

1.5 Recommendations

Subsurface sampling in the vicinity of the current and former lifts, area of the clarifier and area of the former USTs is recommended to determine if the historical and current use of hazardous materials by Sears, Roebuck and Co. has affected the subject property.

Additionally, a geophysical survey would need to be performed to determine if any USTs currently remain on the subject property.

2.0 Introduction

2.1 Purpose

The purpose of the Phase I Environmental Site Assessment is to identify potential environmental liabilities associated with the presence of hazardous materials, their use, storage, and disposal at and in the vicinity of the subject property, as well as regulatory non-compliance that may have occurred at the subject property. Property assessment activities focused on: 1) a review of federal, state, and local lists that identify and describe underground fuel tank sites, leaking underground fuel tank sites, hazardous waste generation sites, and hazardous waste storage and disposal facility sites within the ASTM approximate minimum search distance; 2) a property and surrounding site reconnaissance with personnel interviews to identify environmental contamination; and 3) a review of historical sources to help ascertain previous land use at the site and in the surrounding area.

The goal of AEI Consultants in conducting the environmental site assessment was to identify the presence or likely presence of any hazardous substances or petroleum products on the property that may indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum product into the soil, groundwater, or surface water of the property.

2.2 Scope of Services

The scope of services used in the completion of this report is specified under the Scope of Work developed in conjunction with US Bancorp and comply with the scope of services noted in ASTM Practice E 1527-05. Special Terms and Conditions, Limitations, and Exceptions are presented in Appendix D.

This document has been prepared in accordance with the specifications set forth in the Environmental Consulting & Professional Services Agreement entered into on February 6, 2002 and the US Bancorp assignment letter dated June 24, 2009 for the subject property.

2.3 Deviations

No deviations from the recommended scope of ASTM Standard E 1527-05 were performed as part of this Phase I ESA with the exception of any additions noted in Detailed Scope of Services.

2.4 Limitations

Property conditions, as well as local, state, tribal and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this study apply strictly to the environmental regulations and property conditions existing at the time the study was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. AEI Consultants makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the study.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, vapor intrusion, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of the property transaction; however, they are considered non-scope issues under ASTM Standard Practice E1527-05.

If requested by the client, these non-scope issues are discussed in Section 6.2. Otherwise, the purpose of this investigation is solely to satisfy one of the requirements for qualification of the innocent landowner defense, contiguous property owner or bona fide prospective purchaser under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). ASTM Standard Practice E1527-05 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

2.0 Introduction (continued)

2.4 Limitations (continued)

- 42 U.S.C § 9601(35)(B), referenced in the ASTM Standard Practice E1527-05.
- Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).
- 42 U.S.C. 9601(40) and 42 U.S.C. 9607(q).

The Phase I Environmental Site Assessment is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. Neither is the assessment intended to assure clear title to the property in question. The sole purpose of investigation into property title records is to ascertain a historical basis of prior land use. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, and observations and conditions that existed on the date and time of the property visit. Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

2.5 Reliance

This report has been prepared for the sole benefit of US Bank. The report may not be relied upon by any other person or entity without the express written consent of AEI Consultants and US Bank.

3.0 Subject Property Description

3.1 Location and Legal Description

The subject property is bound by Las Gallinas Avenue to the north and northeast, Los Ranchitos Road to the east, and Northgate Drive to the west and south and is bisected by Northgate Mall. The site is located in a mixed commercial and residential area of San Rafael, California. The property totals approximately 66.32 acres and is improved with two single-story buildings, one mixed one- and two-story building and one building that is currently under construction, totaling approximately 713,000 square feet. The buildings are occupied by various retail businesses within the Northgate Mall (5800 Northgate Mall), as well as Macys (1000 Northgate Mall), Rite Aid (1500 Northgate Drive), Applebees (3050 Northgate Mall), Sears and Sears Automotive Center (9000 Northgate Mall). In addition to the subject property building, the property is improved with asphalt-paved parking areas and associated landscaping.

Various subject property tenants (current and former) were identified in the regulatory database as RCRA SQG, FINDS, CHMIRS, Haznet, NPDES, Drycleaners, HIST UST, EMI and AST sites, and are further discussed in Section 6.0.

The Assessor's Parcel Numbers (APNs) for the subject property are 175-060-12, 175-060-40, 175-060-59, 175-060-60 and 175-060-61. Heating and cooling systems on the subject property are fueled by natural gas and electricity provided by Pacific Gas and Electric (PG&E). Potable water and sewage disposal are provided by municipal services.

3.2 Activity and Use Limitations

Based on a review of the regulatory database and inquiries at the San Rafael Building Department, San Rafael Fire Department, Marin County Environmental Health Department, and California Regional Water Quality Control Board, no AULs associated with the subject property were identified during the course of this investigation.

3.3 Physical Setting

Based on a review of the United States Geological Survey (USGS) San Francisco Bay Quadrangle Geologic Map, the area surrounding the subject property is underlain by Holocene and Late Pleistocene era landslide deposits and clayey colluvium which are commonly characterized by dark-grey, greenish-grey, bluish-grey, green and grayish black unweathered inactive and active slump-earthflow deposits, weathering brown to reddish-brown principally composed of montmorillonite-rich clay and clay loam containing angular to rounded blocks of sandstone, chert, limestone, greenstone, schist, and gniss.

Based on a review of the USGS Novato, California Quadrangle Topographic Map, the subject property is situated 33-100 feet above mean sea level, and the local topography is gently sloped to the east. The nearest surface water is South Fork Gallinas Creek, located approximately 2,500 feet east of the subject property. Based upon topographic map interpretation, groundwater flow beneath the subject property is inferred to be to the east to northeast and based on groundwater monitoring data for a nearby site, groundwater is expected to be encountered at 1 to 12 feet below ground surface (bgs).

3.4 Subject Property and Vicinity Characteristics

The subject property is located in a mixed commercial and residential area of San Rafael, California.

The immediately surrounding properties consist of Las Gallinas Avenue followed by offices (920 Northgate Drive), a 76 Gas Station (921 Del Presidio Boulevard), a Valero Gas Station (923 Del Presidio Boulevard) and various bank/office buildings (600-670 Las Gallinas Avenue) to the north; Las Gallinas Avenue followed by an office building (800 Las Gallinas Avenue), a shopping center (400-470 Las Gallinas Avenue), Goodyear Tire (496 Las Gallinas Avenue), Chase Bank (300 Las Gallinas Avenue) and Los Ranchitos Road followed by a cemetery to the east; Northgate Drive followed by an office building (555 Northgate Drive) and various single- and multi-family residences to the south; and Northgate Drive followed by vacant land and an office building (899 Northgate Drive) to the west.

An adjacent site to the north at 930 Del Presidio Boulevard was identified in the regulatory database as a RCRA LGN, RCRA SGN, LUST, and UST site, while 921 Del Presidio Boulevard was identified as a LUST

3.0 Subject Property Description (continued)

3.4 Subject Property and Vicinity Characteristics (continued)

and UST site. One site to the east, Kerns and Walker Cleaners at 412 Las Gallinas Avenue, was identified as a RCRA SGN and drycleaners site. These sites are further discussed in Section 6.0.

3.5 Description of Subject Property Structures and Improvements

The property totals approximately 66.32 acres and is improved with two single-story buildings, one mixed one- and two-story building and one building that is currently under construction, totaling approximately 713,000 square feet. In addition to the subject property building, the property is improved with asphalt-paved parking areas and associated landscaping.

3.6 Current Uses of the Subject Property

The buildings are occupied by various retail businesses within the Northgate Mall (5800 Northgate Mall), as well as Macys (1000 Northgate Mall), Rite Aid (1500 Northgate Drive), Applebees (3050 Northgate Mall), Sears and Sears Automotive Center (9000 Northgate Mall). On-site operations include retail, theater, food service, administrative and automotive service activities.

4.0 User Provided Information

4.1 Environmental Liens

No environmental liens were reported for the subject property.

4.2 Environmental Reports or Investigations

Documentation was provided to AEI by Mr. Scott Kingsmore of Macerich during this investigation. A summary of this information follows:

<u>Hydraulic List Removal, Assessment and Site Remediation Activities, Sears Store #1528</u>, Dames and Moore (February 7, 1997)

According to the report, three belowground hydraulic lifts, located on the southeast corner of the building, were removed from the site in March 1996, in order to expand the Sears Automotive Center office area. At the time of removal, surface soil samples and soil samples at 3 feet bgs and approximately 7 feet bgs were collected from each excavation, with the exception of Lift 1, where a sample was not collected at 3 feet bgs. The samples were subsequently analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-g), Total Petroleum Hydrocarbons as diesel (TPH-d) and Total Petroleum Hydrocarbons as hydraulic oil (TPH-h) while a sample from Lift 2 was also sampled for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and polychlorinated biphenyls (PCBs). While TPH-g and TPH-d were not detected in any of the samples above laboratory detection limits, TPH-h was detected up to 11,000 parts per million (ppm) (Lift 3-surface sample), up to 270 ppm (Lift 2- 3 feet bgs) and up to 830 ppm (Lift 3- 7 feet bgs). Additionally, PCBs were detected in the Lift 2-surface sample at 0.48 ppm, while SVOC bis (2-ehtylhexyl) phthalate was detected at 2.5 ppm. Based on the elevated levels of TPH-h (above 1,000 ppm), soils beneath Lifts 2 and 3 were excavated to a depth of 3 feet bgs; however, no confirmation sampling was performed as the initial samples collected at 3 feet bgs were below the cleanup guidance level.

Dispenser Island and Product Line Removal Report, Cluor Daniel GTI (July 1, 1996)

According to the report, the dispenser island canopy, dispenser islands and associated product lines and new and used oil lines were removed from the area adjacent to the north of the Sears Automotive Center in 1994. Additionally, 34 cubic yards of soil was removed from the subject property. 17 soil samples were collected from beneath the gasoline product dispenser islands/vent lines/product lines at 2 to 4 feet bgs and analyzed for TPH-g, BTEX and lead, while five soil samples were collected from beneath the used oil line and oil supply lines at 2 to 5 feet bgs and analyzed for TPH-g, TPH-d, Total Recoverable petroleum hydrocarbons (TRPH), VOCs and metals. While lead was detected in the samples up to 10 ppm, no other contaminants with the exception of TRPH (up to 19 ppm in a sample collected from the used oil line trench) were detected.

Request for Closure, The IT Group (March 23, 1999)

IT Corporation requested case closure from the San Rafael Fire Department (SRFD) on behalf of Sears, Roebuck and Co. based on the following:

The hydrocarbon contamination source was removed in 1994.

- Approximately 32 cubic yards of hydrocarbon-impacted soil was removed from the site in 1995.
- Original concentrations of compounds detected at a maximum of 4 feet bgs.
- · Highest concentrations of compounds originally reported in excavated soil removed from the site.
- Impacted soil is within the upper 3-4 feet of the subsurface and attenuates with increased depths.
- · Site remains covered with asphalt, which prevents infiltration and flushing of hydrocarbons into groundwater.

Please refer to Section 8.5 for further information regarding the SRFD response to this request for closure and request for additional information.

Additional records provided by the client indicated that the MCEHD approved the removal of two 500-gallon bulk oil and one 1,000-gallon waste oil single-walled steal USTs in August 1986, which were installed in 1972. Additionally, a 1986 invoice for the removal of one 8,000 gallon gasoline UST was also provided; however, it is unclear how many other USTs may have been present at the site as a SRFD letter refers to the removal of eight USTs in 1985 and 1987. In a March 1987 "Clearance" letter to Sears, Roebuck Co., the MCEHD indicated that the "analysis of samples of the soil and groundwater at the above site indicated a safe level or absence of any residual of the product formerly stored in underground storage tanks" at the subject property; however, it is unknown whether any residual contamination remains at the subject property.

4.0 User Provided Information (continued)

4.3 Experience of User

The user did not report any specialized knowledge or experience that suggests an environmental concern or recognized environmental conditions in connection with the subject property.

5.0 Historical Use Information

5.1 Historical Background

Historical information identifying the past site use was obtained from a variety of sources as detailed in Appendix E of this report and included: CITY DIRECTORIES, AERIAL PHOTOGRAPHS, SANBORN FIRE INSURANCE MAPS, TOPOGRAPHIC MAPS, PREVIOUS ENVIRONMENTAL REPORTS, OTHERS.

According to historical sources, the current subject property mall building was constructed beginning sometime between 1960 and 1965 for use as commercial buildings, the current automotive repair building (and associated gasoline dispensers) was constructed in 1971 and several more retail buildings were present on the site by 1980. By 1993 the site was developed as it is today. Prior to the construction of the buildings, the property was vacant land from at least 1946 to 1954.

Please refer to Sections 4.2, 6.0 and 8.0 for further information regarding the current and former auto repair operations.

5.2 Subject Property

Pre 1940s and 1940s:

In the 1946 aerial photograph, the subject property appears as vacant land.

1950s:

In the 1953 aerial photograph, the subject property appears as vacant land.

In a 1954 topographic map, the subject property is vacant land.

1960s:

The subject property street was not listed in the 1960 Polk Criss-Cross directory.

City directories reviewed for the subject property indicated that Emporium Department Store (1000 Northgate Mall) was present on the site in 1965, while Northgate Theater (2600 Northgate Mall) and various retail businesses (1000-5440 Northgate Mall) occupied the property beginning in 1966.

In the 1965 aerial photograph, four structures are constructed on the northern portion of the subject property, while the southern portion of the property is vacant land and appears to have construction equipment on the south side of the property.

The oldest permit on file with the San Rafael Building Department (SRBD) for the subject property indicated that a new manager's office was constructed on the property in 1967 and five structures had already been constructed.

In a 1968 topographic map, the subject property is developed with four structures, which were later joined to create the northern portion of the current shopping mall.

1970s:

Permits on file with the SRBD indicate that a new Sear's as well as a Sear's Auto Center and associated gas dispensers were constructed/installed on the property in 1971.

1980s:

In a 1980 topographic map, the subject property is developed with seven structures that have since been joined to create the the current shopping mall, as well as the Sear's administrative building and automotive center/gas station and parking garage structures.

In the 1982 aerial photograph, the main subject property building is developed in it's current configuration, and the Sear's administrative building and automotive center/gas station buildings have also been constructed; however, the current Rite Aid building and former Mervyn's building have yet to be constructed.

Permits on file with the SRBD indicate that four underground storage tanks (USTs) were removed from the subject property, while one aboveground storage tank (AST) was installed on the site in 1986.

5.0 Historical Use Information (continued)

5.2 Subject Property (continued)

1990s:

In the 1993 and 1998 aerial photograph, the subject property is developed as it is today with the current Rite Aid and Mervyn's buildings having been constructed.

2000s:

Permits on file with the SRBD indicate that various tenant improvements as well as interior demolitions have been performed on the property from at least 2000-2008.

In the 2005 aerial photograph, the subject property is developed as it is today.

5.3 Adjoining Properties

Pre 1940s and 1940s:

In the 1946 aerial photograph, the surrounding properties appear as vacant land with the exception of a site to the northeast beyond Las Gallinas Avenue which appears to be developed with a commercial structure, while the site to the east beyond Los Ranchitos Road is developed in the current cemetery configuration.

1950s:

In the 1953 aerial photograph, the surrounding properties remain unchanged.

1960s:

In the 1965 aerial photograph, the surrounding properties appear to be developed with gas stations (and associated canopies) and commercial buildings to the north beyond Las Gallinas Avenue, vacant land beyond Las Gallinas Avenue and the current cemetery to the east beyond Los Ranchitos Road, vacant land and single-family residences to the south beyond Northgate Drive and vacant land to the west beyond Northgate Drive.

1970s:

No source available.

1980s:

In the 1982 aerial photograph, the surrounding properties appear to be developed with gas stations (and associated canopies) and commercial buildings to the north beyond Las Gallinas Avenue, commercial buildings beyond Las Gallinas Avenue and the current cemetery to the east beyond Los Ranchitos Road, commercial buildings and single-family residences to the south beyond Northgate Drive and vacant land to the west beyond Northgate Drive.

1990s:

In the 1993 and 1998 aerial photographs, the surrounding properties appear to be developed with gas stations (and associated canopies) and commercial buildings to the north beyond Las Gallinas Avenue, commercial buildings beyond Las Gallinas Avenue and the current cemetery to the east beyond Los Ranchitos Road, commercial buildings and single-family residences to the south beyond Northgate Drive and vacant land and a commercial building to the west beyond Northgate Drive.

2000s:

In the 2005 aerial photograph, the surrounding properties appear as they are today.

5.4 Historically Significant or Environmental Findings

No historically significant or environmental findings were discovered within the scope of this investigation in connection with the subject property or adjoining properties with the exception of the following:

The eastern adjacent site is a cemetery. Environmental concerns have been identified in connection with cemeteries, including the presence of heavy metals, arsenic, and formaldehyde in soil and groundwater of these types of sites. However, based on the hydrologically downgradient position of this site relative to the subject property, the adjacent cemetery is not expected to represent a significant environmental concern.

6.0 Federal, State, Local & Tribal Database Listings

An ASTM-compliant government records radial database report was obtained for this assessment. The following standard Federal database listings were searched if available: National Priorities List (NPL), Delisted NPL, Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS and CERCLIS-NFRAP), Resource Conservation and Recovery Information System – Treatment, Storage, and Disposal Facilities (RCRIS-TSD), RCRIS – Large and Small Quantity Generators (RCRIS-Generator), RCRIS Corrective Action Data (CORRACTS), Institutional and Engineering Controls (ICs/ECs), RCRIS Notifiers (NOTIFIERS) and Emergency Response Notification System (ERNS).

Additionally, the following standard State databases were searched if available: State Priorities List (SPL), State Hazardous Waste Site Voluntary Cleanup Program (VCP), Permitted Solid Waste Facilities/Landfill (SWF/LF) List, Leaking Underground Storage Tank (LUST) List, and the Registered Underground Storage Tank (UST) List, State/Tribal Brownfields. Criteria for being listed on each database and specific facility information are reviewed within the database report (see Appendix C).

Various subject property tenants (current and former) were identified in the regulatory database as RCRA SQG, FINDS, CHMIRS, HAZNET, NPDES, DRYCLEANERS, HIST UST, EMI and AST sites, and are further discussed below. Adjacent sites to the east beyond Las Gallinas Avenue were identified in the regulatory database as HIST UST, DRYCLEANERS, FINDS, HAZNET and RCRA SQG sites, while adjacent sites to the north beyond Las Gallinas Avenue were identified as RCRA-SQG, RCRA-LQG, UST, HIST CORTESE, LUST, CHMIRS, HIST UST, SWEEPS UST, CA FID UST and UST sites, as further discussed below.

Additionally, other sites are discussed in detail below due to their relative proximity to the subject property, the nature of the listing, and/or hydrological position relative to the subject property.

Based on the relative distance from the subject property, inferred direction of groundwater flow, and/or regulatory status, the remaining listed sites are not expected to represent a significant environmental concern.

Database	Target	Search	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total
	Property	Distance (Miles)						Plotted
NPL		1	0	0	0	0	NR	0
CERCLIS		0.5	0	0	0	NR	NR	0
CERCLIS-NFRAP		0.5	0	0	0	NR	NR	0
CORRACTS		1	0	0	0	1	NR	1
RCRA-TSDF		1	0	0	0	1	NR	1
RCRA-LQG		0.25	2	0	NR	NR	NR	2
RCRA-SQG	X	0.25	7	1	NR	NR	NR	8
ERNS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.5	0	0	0	NR	NR	0
US INST CONTROL		0.5	0	0	0	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
LUST		0.5	6	0	4	NR	NR	10
UST		0.25	13	0	NR	NR	NR	13
AST		0.25	1	0	NR	NR	NR	1
VCP		0.5	0	0	0	NR	NR	0
DRYCLEANERS		0.25	2	0	NR	NR	NR	2
CHMIRS	X	TP	NR	NR	NR	NR	NR	0
SWF/LF (SWIS)		0.5	0	0	0	NR	NR	0
ENVIROSTOR		1	0	0	0	3	NR	3
NPDES	X	TP	NR	NR	NR	NR	NR	0
HIST CAL-SITES		1	0	0	0	0	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	0
SLIC		0.5	0	0	0	NR	NR	0

6.0 Federal, State, Local & Tribal Database Listings (continued)

Site Name: RITE AID NO 5958 RCRA-SQG, FINDS

Address: 1500 NORTHGATE MALL

Distance: Subject Property

Direction: N/A **Elevation:** N/A

Comments: According to the database, Rite Aid maintained various photo developing chemicals beginning

in 1998; however, according to records on file with the MCEHD photo developing operations ceased circa November 2008. Based on the lack of documented releases and the nature of the

listing, this site is not expected to represent a significant environmental concern.

Site Name: EXPRESSLY PORTRAITS INC

Databases: RCRA-SQG, FINDS

Address: 5600 NORTHGATE MALL

Distance: Subject Property

Direction: N/A **Elevation:** N/A

Comments: According to the database, expressly portraits maintained hazardous materials on the subject

property. According to records on file with the MCEHD, a silver recovery unit was located onsite from November 1993 to December 2002; however, based on the lack of documented

releases and nature of the listing, this site is not expected to represent a significant

environmental concern.

Site Name: NORTHGATE MALL

Databases: CHMIRS, HAZNET, FINDS, RCRA-SQG, NPDES

Address: 5800 NORTHGATE MALL

Distance: Subject Property

Direction: N/A **Elevation:** N/A

Comments: According to the RCRA SQG database, the subject property maintains unidentified hazardous

materials; however, no violations were reported. According to the HAZNET database, 0.075 tons of unspecified organic mixture were disposed of from the subject property. Please refer to Section 8.6 for further information regarding the hazardous materials stored on the subject property. According to the CHMIRS database, in November 1997 125 gallons of transformer oil leaked into the underground transformer vault. AEI presumes that as the vault was present minimal (if any) contamination would have reached the soil and therefore the CHMIRs listing is not expected to represent a significant environmental concern. Additionally, any cleanup

costs would be the responsibility of the utility company.

Site Name: SEARS #8108

Databases: RCRA-SQG, DRYCLEANERS, HAZNET

Address: 8108 NORTHGATE MALL

Distance: Subject Property

Direction: N/A **Elevation:** N/A

Comments: According to the RCRA SQG database, Sears, Roebuck and Co. utilized lead, benzene,

tetrachloroethylene (PCE) and trichloroethylene (TCE) on the subject property, which based on the lead and benzene listings are assumed to be associated with the onsite automotive center. While the HAZNET database indicates that 0.07 tons of hydrocarbon solvents have been disposed of from the subject property. According to the Cleaners database, Sears, Roebuck and Co. was also a laundry and garment service site as of March 4, 2003; however, according to representatives at Sears and Macerich, no dry cleaning has taken place on the subject property and the use of PCE and TCE were likely associated with the auto repair operations. Please refer to Section 8.5 for further information regarding the hazardous

materials stored on the subject property.

6.0 Federal, State, Local & Tribal Database Listings (continued)

Site Name: WALDEN BOOK CO

Databases: HAZNET

Address: 5800 NORTHGATE DR SPACE 83

Distance: Subject Property

Direction: N/A **Elevation:** N/A

Comments: According to the HAZNET database, 0.200 tons of unspecified oil-containing waste was

disposed of from the property. Please refer to Section 8.5 for further information regarding the

hazardous materials stored on the subject property.

Site Name: SEARS

Databases: RCRA-SQG, HAZNET, FINDS

Address: 9000 NORTHGATE

Distance: Subject Property

Direction: N/A **Elevation:** N/A

Comments: According to the RCRA SQG database, various ignitable wastes are stored on the subject

property; however no violations have been found. According to the HAZNET database, various off-specification, aged, or surplus organics, alkaline solutions without metals, latex wastes and aqueous solutions have been disposed of from the subject property. Please refer to Section 8.5 for further information regarding the hazardous materials stored on the subject

property.

Site Name: SEARS AUTO CENTER HIST UST, EMI, HAZNET 9000 NORTHGATE MALL

Distance: Subject Property

Direction: N/A **Elevation:** N/A

Comments: According to the HAZNET database, various amounts of unspecified oil containing waste have

been disposed of from the subject property. According to the HIST UST database, four "product" USTs and three waste oil USTs were removed from the subject property in 1972. According to the EMI database, various contaminants have been released into the atmosphere since 2006. Please refer to Section 8.5 for further information regarding the hazardous

materials stored on the subject property.

Site Name: JIFFY LUBE #1590

Databases: AST, FINDS

Address: 9000 NORTHGATE MALL

Distance: Subject Property

Direction: N/A **Elevation:** N/A

Comments: According to the AST database, one 2,100-gallon AST was utilized by Jiffy Lube on the

subject property. Please refer to Section 8.5 for further information regarding the hazardous

materials stored on the subject property.

Site Name: KERNS AND WALKER CLEANERS

Databases: DRYCLEANERS, FINDS, HAZNET, RCRA-SQG

Address: 412 LAS GALLINAS AVENUE

Distance: 27

Direction: East-southeast (hydrologically downgradient)

Elevation: Lower

Comments: According to the database, this site was a cleaners that maintained and disposed of halogenated

organic compounds; however, based on the lack of documented release and the inferred

direction of groundwater flow, this site is not expected to represent a significant environmental

concern.

6.0 Federal, State, Local & Tribal Database Listings (continued)

Site Name: VALERO REFINING CO CAL NO 77067, EXXON CO. USA. # 77067, FORMER EXXON

7-7067, Northgate Valero

Databases: RCRA-SQG, RCRA-LQG, UST, HIST CORTESE, LUST, CHMIRS, HIST UST, SWEEPS

UST, CA FID UST

Address: 930 DEL PRESIDIO BLVD Approximately 50 feet

Direction: North (hydrologically cross-gradient)

Elevation: Higher

Comments: According to records on file with the Regional Water Quality Control Board (RWQCB) online

Geotracker database, groundwater at this site flows to the southwest. Two groundwater monitoring wells were located on the sidewalk adjacent to the north side of the subject property (identified as EA-12 and EA-13). No groundwater contamination has been detected in either well since 2006. Regulatory case closure was granted to the site in April 2009 and

EA-12 and EA-13 were subsequently destroyed. Based on the lack of groundwater

contamination present in EA-12 and EA-13 and the current regulatory status this site is not

expected to represent a significant environmental concern.

Site Name: CONOCOPHILLIPS, TERRA LINDA 76 CAR WASH #254774

Databases: LUST, UST

Address: 921 DEL PRESIDIO Approximately 50 feet

Direction: North (hydrologically cross-gradient)

Elevation: Higher

Comments: According to records on file with the RWQCB online Geotracker database, groundwater at this

site flows to the northwest. Two groundwater monitoring wells were located on the sidewalk

adjacent to the north side of the subject property (identified as EA-12 and EA-13). No groundwater contamination has been detected in either well since 2006. The case is currently open, but is being prepared for closure. Based on the the inferred direction of groundwater

flow, this site is not expected to represent a significant environmental concern.

Site Name: GOODYEAR TIRE & RUBBER CO.

Databases: HIST UST

Address: 496 LAS GALLINAS AVE Approximately 50 Feet

Direction: East (hydrologically downgradient)

Elevation: Lower

Comments: According to the HIST UST database, one waste oil UST was removed from the site in 1973.

Based on the lack of documented releases associated with this site, this listing is not expected

to represent a significant environmental concern.

7.0 Site Reconnaissance

7.1 Hazardous Substances

Various hazardous materials were observed at the Sears Automotive Center site including waste and new oil ASTs and approximately eleven 55-gallon drums; however, the materials were stored atop a concrete pad and no significant staining was observed. Therefore, no hazardous substances that constitute evidence of a *recognized environmental condition* were observed at the subject property at the time of the site reconnaissance.

7.2 Unidentified Containers

No unidentified containers that constitute evidence of a *recognized environmental condition* were observed at the subject property at the time of the site reconnaissance.

7.3 Staining

No unidentified staining that constitutes evidence of a *recognized environmental condition* was observed at the subject property at the time of the site reconnaissance.

7.4 Stressed Vegetation

No unidentified stressed vegetation that constitutes evidence of a *recognized environmental condition* was observed at the subject property at the time of the site reconnaissance.

7.5 Aboveground Storage Tanks (ASTs)

Various hazardous materials were observed at the Sears Automotive Center site including waste and new oil ASTs and approximately eleven 55-gallon drums; however, the materials were stored atop a concrete pad and no significant staining was observed. Therefore, no hazardous substances that constitute evidence of a *recognized environmental condition* were observed at the subject property at the time of the site reconnaissance.

7.6 Underground Storage Tanks (USTs)

Mr. Joey Elliot of Macerich stated to the best of his knowledge, that the subject property does not contain USTs. In addition, the regulatory records review did not indicate the current registration of USTs at the subject property, and no evidence of vent pipes, fill pipes, or access ways indicating USTs was discovered at the time of the site reconnaissance. However, USTs were formerly located onsite and according to a SRFD letter up to eight USTs may have been present on the subject property and it is unclear whether any USTs remain on the subject property. Please refer to Sections 4.2, 6.0 and 8.5 for further information regarding the former USTs.

7.7 Pits, Ponds, And Lagoons

No ponds or lagoons associated with onsite processes were observed at the subject property at the time of the site reconnaissance.

7.8 PCB-Containing Equipment

Toxic polychlorinated biphenyls (PCBs) were commonly used historically in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors. According to United States EPA regulation 40 CFR, Part 761, there are three categories for classifying such equipment: <50 ppm of PCBs is considered "Non-PCB"; between 50 and 500 ppm is considered "PCB-Contaminated"; and >500 ppm is considered "PCB-Containing".

The management of potential PCB-containing transformers is the responsibility of the local utility or the transformer owner. Actual material samples need to be collected to determine if transformers are PCB-containing.

7.0 Site Reconnaissance (continued)

7.8 PCB-Containing Equipment (continued)

Transformers

Several pad-mounted transformers were observed on the subject property during the site inspection. The transformers are owned and operated by PG&E and are not PCB containing. No spills, staining or leaks were observed on or around the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

Hydraulic Lifts

The subject property Sears Automotive Center is currently equipped with approximately 14 belowground hydraulic lifts and was formerly equipped with an additional three belowground hydraulic lifts. These lifts were presumably installed in 1971 when the automotive center was constructed and based on the pre-1977 installation of the lifts, the potential exists that the hydraulic fluid within the lift systems previously contained polychlorinated biphenyls (PCBs). In 1996, three lifts were removed from the subject property and as previously discussed in Section 4.2, the soil was found to contain up to 11,000 parts per million Total Petroleum Hydrocarbons as hydraulic oil (TPH-h) as well as polychlorinated biphenyls (PCBs) at 0.48 ppm; however, no groundwater was encountered to seven feet bgs. Additional soil was excavated to remove the contaminated soil; however, no confirmation sampling was performed. Due to the age of the equipment, the integrity of the hydraulic lifts is unknown; however, as contamination was discovered in relation to the removed lifts it is very likely that the integrity of the current lifts has also been compromised. In addition, due to the shallow depth to groundwater at the property, the potential exists that groundwater would be impacted by such a release. Therefore, based on the presence of the hydraulic lifts and the unknown concentrations of contamination remaining in the soil at the sites of the removed lifts, the current and former presence of belowground hydraulic lifts represents a recognized environmental condition.

7.9 Solid Waste Disposal

No indications of improper disposal of solid waste or burial activities were noted within the scope of this investigation.

7.10 Wetlands

A wetlands map for the subject property prepared by the United States Fish and Wildlife Service was reviewed online. No designated wetlands were identified on the subject property. In addition, no natural standing bodies of water or typically hydrophytic vegetation were observed on the subject property during the site reconnaissance.

7.11 Septic System with On-Site Drainfield

No evidence of an on-site septic system was observed during the site reconnaissance.

7.12 Oil/Water Separator

Sears Automotive Center is reportedly equipped with an oil/water separator, which appears to be connected to a trench drain that runs the length of the repair shop. The separator is reportedly emptied by a third party. No information identifying the specific installation date was available for review, therefore the oil/water separator was presumably installed in 1971 when the automotive center was constructed. Additionally, no information regarding past sampling of the separator was available. Oil/water separators have the potential to act as conduits to the subsurface of properties. Due to the use of the subject property for vehicle repair, the potential use of perchloroethylene (PCE) and trichloroethylene (TCE) by Sears (as identified in regulatory database) in the auto repair operations and the lack of information indicating the length of time the separator has been located onsite, there is a potential that contaminants such as oils or solvents present in the waste stream could impact the soil beneath the property if the separator or associated drain system has become compromised. On this basis, the presence of the clarifier represents a recognized environmental condition.

7.0 Site Reconnaissance (continued)

7.13 Dry Wells or Injection Wells

No evidence of dry wells or injection wells was observed during the site reconnaissance.

7.14 Contamination of Soil

No evidence of contaminated soil or signs indicating previous subsurface investigations were observed on the subject property during the site reconnaissance.

7.15 Contamination of Groundwater

As stated in Section 7.14, no evidence of groundwater monitoring wells, groundwater remediation systems or signs indicating the former presence of groundwater monitoring wells were observed on the subject property during the site reconnaissance.

7.16 Vapor Intrusion

No evidence of mitigation measures to address vapor intrusion issues were observed on the subject property during the site reconnaissance.

7.17 Use of Pesticides on Site

No evidence of pesticide storage and/or use was observed on the subject property during the site reconnaissance.

7.18 Other Concerns

7.18.1 Asbestos

A visual screening for suspect asbestos-containing materials was conducted at the time of the site reconnaissance. The subject property facility was constructed between 1960 and 1965. As such, the potential for the presence of asbestos-containing materials exists. All suspect ACMs were observed in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. In the event that building renovation or demolition activities are planned, an asbestos survey adhering to Asbestos Hazard Emergency Response Act (AHERA) sampling protocol should be performed prior to demolition or renovation activities that may disturb suspect ACMs.

7.18.2 Lead

A visual screening for lead-based paint was conducted at the time of the site reconnaissance. Based on the 1960-1965 construction date of the subject property building, the potential for lead-based paint exists. All observed painted surfaces were in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. Local regulations may apply to lead-based paint in association with building demolition/renovations and worker/occupant protection. Actual material samples would need to be collected or an XRF survey performed in order to determine if LBP is present. It should be noted that construction activities that disturb materials or paints containing *any amount* of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62.

7.18.3 Radon

The EPA has designated three zones of classification indicating the predicted average indoor screening level of radon per county. Marin County, California is classified in Zone 3 (low potential), which indicates a predicted level less than 2 picoCuries per liter of air (pCi/L). The EPA "Action Level" is 4 pCi/L. Based on the commercial nature of the property and the lack of subsurface areas, radon does not appear to be a concern. However, testing is required to determine site-specific radon levels.

7.0 Site Reconnaissance (continued)

7.18 Other Concerns (continued)

7.18.4 Lead in Drinking Water

Lead containing materials were banned from use in public water systems, including plumbing connection, in 1986. Potable water testing and assessment was not performed on the subject property. Based on the construction date, the potential for lead in drinking water exists, however as the property is not a residential building or day care facility, potable water testing and assessment was not performed.

7.18.5 Mold

No mold was observed during the onsite reconnaissance.

7.18.6 All Other Concerns

No other areas of environmental concern were noted within the scope of this investigation.

8.0 Interviews

8.1 Interview with Owner

A representative of the subject property owner, Mr. Scott Kingsmore, of Macerich was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

8.2 Interview with Site Manager

The key site manager, Mr. Joey Elliot of Macerich, was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

8.3 Interview with Occupants

A representative of the subject property occupants was identified as Mr. Elliot. Results of the interview with Mr. Elliot are included in Section 8.2.

8.4 Interview with State Government Officials

On July 14, 2009, the Regional Water Quality Control Board (RWQCB) was contacted to review files on the subject property and nearby sites of concern. Files at the RWQCB may contain information regarding unauthorized releases of petroleum hydrocarbons or other contaminants that may affect the soil or groundwater in the area.

No information indicating current or prior use or storage of hazardous materials, or the existence of AULs was on file for the subject property with the RWQCB.

8.5 Interview with Local Government Officials

Health Department

On July 14, 2009, the Marin County Environmental Health Department (MCEHD) was visited to review files on the subject property and nearby sites of concern. Files at the MCEHD may contain information regarding hazardous materials storage, as well as information regarding unauthorized releases of petroleum hydrocarbons or other contaminants that may affect the soil or groundwater in the area.

According to 2001 and 2002 Hazardous Materials Business Plans (HMBPs) on file with the MCEHD, Sears, Roebuck and Co. stored five gallons of gasoline, 1,225 pounds of lead acid batteries and 220 cubic feet of helium within the Sears Automotive Center. Jiffy Lube also occupied a portion of the Sears Automotive Center and in 2006 stored 1,500 gallons of waste oil, 110 gallons, of waste oil filters, 50 gallons of antifreeze, 50 pounds of Freon R-12, 60 gallons of Freon R134, 240 gallons of waste antifreeze, and 600 gallons of waste oil. The most recent HMBP (2009) on file with the MCEHD for Sears Automotive Center indicates that 250 gallons of waste oil, 110 gallons of waste latex paint, 250 gallons of antifreeze, 95 gallons of absorbent materials, 20 gallons of used brake fluid, 3,000 pounds of used lead acid batteries, 60 gallons of aqueous parts washer, 500 gallons of oil/water separator waste, 110 gallons of used waste oil filters, 300 gallons of motor oil, 220 cubic feet of helium, 55 gallons of floor degreaser, and 55 gallons of waste oil-based paint. These materials were stored in the automotive center portion of the subject property. Several *Notices of Violation* were issued to the site regarding the improper labeling and record keeping of hazardous materials, and paperwork regarding annual HMBP filing. Please refer to Section 7.12 for further information regarding the environmental concerns associated with the oil/water separator. Based on the lack of documented releases and the relatively good housekeeping practices observed during the onsite reconnaissance, the remaining hazardous materials are not expected to represent a significant environmental concern.

According to a SRFD letter on file with the MCEHD, eight underground storage tanks (USTs) that were associated with the onsite Sears Automotive Center were removed from the subject property in 1985 and 1987 while fuel island dispensers and products lines were removed from the site in 1994 and 34 cubic yards of soil was removed from the site in 1995, no case closure letter or documentation regarding the analytical data associated with the UST removals was on file with the MCEHD. According to the 1999 SRFD letter, further

8.0 Interviews (continued)

soil borings and groundwater samples were needed at the site to sample for MtBE prior to site closure. No information regarding the testing of the site for MtBE was provided to AEI. Please refer to Section 4.2 for further information regarding the former USTs.

Additional records on file with the MCEHD indicated that 8108 Northgate Mall was occupied by a "service operations building" from at least December 2002 to December 2006, where 60 gallons of gasoline were stored. Please refer to Section 6.0 for further information regarding the hazardous materials associated with the 8108 Northgate Mall address.

Rite Aid/Payless Drug were also identified as having photo developing activities and associated hazardous materials onsite beginning in January 1997; however, the Rite Aid digitalized the photo developing process in November 2008 and all hazardous materials were removed from the site. Based on the lack of documented releases and the small size of operations, these hazardous materials are not expected to represent a significant environmental concern.

Fire Department

On July 14, 2009, the San Rafael Fire Department (SRFD) was visited] for information on the subject property and/or nearby sites of concern to identify any evidence of previous or current hazardous material usage.

According to records on file with the SRFD, hazardous materials have been stored on the subject property; however, specific materials and quantities were not identified. AEI was referred to the MCEHD for information regarding hazardous materials on the subject property.

8.6 Interview with Others

No others were interviewed during the site reconnaissance.

Fax: 925.463.2559

Environmental, Geotechnical and Materials Professionals

August 12, 2008

Mr. T.K. Kim

Macerich
401 Wilshire Boulevard
Santa Monica, CA 90401

RE: LIMITED XRF PAINT SAMPLING - NORTHGATE MALL

5800 NORTHGATE MALL SAN RAFAEL, CA 94903 ATC PROJECT 75.22103.0001

Dear Mr. Kim:

At the request of Macerich, ATC Associates Inc. (ATC) performed limited X-Ray Fluorescence (XRF) Paint sampling at the Northgate Mall located at 5800 Northgate Mall in San Rafael, California (herein referred to as the "site") on August 7 and 8, 2008. The purpose of this sampling was to identify lead based paints (LBP) at the site prior to disturbance by a planned renovation project. LBP is defined as any paint or coating containing greater than one milligram per centimeter squared (>1.0 mg/cm²) lead. The sampling was limited to painted surfaces that Macerich requested ATC to sample. Mr. Paul Lowe, California Department of Public Health (DPH) Certified Lead Inspector/Assessor #14752 performed the survey.

I. LEAD PAINT SAMPLING AND ANALYSIS

A total of forty-eight (48) XRF samples of suspect LBP and fourteen (14) calibration samples were collected at the site on August 7 and 8, 2008. The XRF sample results are included as Attachment A. The sampling identified the following LBP at the site:

IDENTIFIED LBP NORTHGATE MALL 5800 NORTHGATE MALL, SAN RAFAEL, CA 94903 AUGUST 7 and 8, 2008									
MATERIAL DESCRIPTION SAMPLE LOCATION CONDITION									
Red Paint on Steel Columns	Row 7	Fair							
Red Paint on Steel Columns	Upper Catwalk – North	Fair							
Red Paint on Steel Beams	Upper Catwalk – North	Fair							
Red Paint on Steel Columns	Upper Catwalk – Mid Mall	Fair							
Red Paint on Steel Beams	Upper Catwalk – Mid Mall	Fair							
Red Paint on Steel Columns	Upper Catwalk – SE	Fair							
Red Paint on Steel Beams Upper Catwalk – SE Fair									

The sampling was limited to painted surfaces that Macerich requested ATC to sample. Additional LBP may be present at the site and the conditions of the identified LBP may differ in areas not sampled by ATC. If the scope of the planned renovation changes or if additional suspect materials are identified, additional sampling may be required prior to disturbance.

II. CONCLUSIONS

ATC performed limited LBP sampling at the site on August 7 and 8, 2008. The sampling identified LBP at the site. Disturbance of LBP is regulated by the DPH and the California Department of Occupational Safety and Health (DOSH). As such the planned renovation activities at the site may require DPH Certified workers using special work practices as prescribed by DPH and DOSH.

Thank you for allowing ATC to assist Macerich with this project. If you have any questions regarding this report or require additional environmental consulting services, please do not hesitate to contact our office at (925) 460-5300.

Respectfully submitted, ATC Associates Inc.

Paul Lowe, DPH# 14752 Project Manager

Eloy F. Cisneros, DPH# 7353

Branch Manager

Attachments: A - XRF Sample Results

B - ATC Certifications

ATTACHMENT A: XRF SAMPLE RESULTS

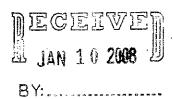
NORTHGATE MALL SAN RAFAEL, CALIFORNIA XRF PAINT SAMPLE RESULTS

Reading No	Date	Туре	Component		Condition	Color	Floor	Location	Lead Based Paint (yes/no)	Lead Concentration (mg/cm²)
1	8/7/2008	SHUTTER_CAL	NA	NA	NA	NA	NA	NA	NA	5.53
2	8/7/2008	CALIBRATION	LEVEL III	NA	NA	NA	NA	NA	NA	1.1
3	8/7/2008	CALIBRATION	LEVEL III	NA	NA	NA	NA	NA	NA	1.1
4	8/7/2008	CALIBRATION	LEVEL III	NA	NA	NA	NA	NA	NA	1.1
5	8/7/2008	PAINT	COLUMN	METAL	FAIR	RED	FIRST	ROW 7 - A	YES	9.1
6	8/7/2008	PAINT	COLUMN	METAL	FAIR	RED	FIRST	ROW 7 - B	YES	4.3
7	8/7/2008	PAINT	COLUMN	METAL	FAIR	RED	FIRST	ROW 7 - D	YES	7.1
8	8/7/2008	PAINT	COLUMN	METAL	FAIR	RED	FIRST	ROW 7 - E	YES	4.4
9	8/7/2008	PAINT	COLUMN	METAL	FAIR	RED	FIRST	ROW 7 - F	YES	8.3
10	8/7/2008	PAINT	COLUMN	METAL	FAIR	RED	FIRST	ROW 7 - H	YES	5.7
11	8/7/2008	PAINT	COLUMN	METAL	FAIR	RED	FIRST	ROW 7 - J	YES	7.2
12	8/7/2008	PAINT	COLUMN	METAL	FAIR	RED	FIRST	ROW 7 - L	YES	4.4
13	8/7/2008	PAINT	COLUMN	METAL	FAIR	RED	FIRST	ROW 7 - M	YES	4.3
14	8/7/2008	PAINT	COLUMN - ROUND	METAL	FAIR	RED	FIRST	ROW N	NO	0.01
15	8/7/2008	PAINT	COLUMN - ROUND	METAL	FAIR	RED	FIRST	ROW N	NO	0
16	8/7/2008		COLUMN - ROUND	METAL	FAIR	RED	FIRST	ROW N	NO	0.01
17	8/7/2008	PAINT	COLUMN - ROUND	METAL	FAIR	RED	FIRST	ROW P	NO	0
18	8/7/2008	PAINT	COLUMN - ROUND	METAL	FAIR	RED	FIRST	ROW P	NO	0
19	8/7/2008	PAINT	COLUMN - ROUND	METAL	FAIR	RED	FIRST	ROW P	NO	0
20	8/7/2008	PAINT	COLUMN - ROUND	METAL	FAIR	RED	FIRST	ROW 6 - M	NO	0
21	8/7/2008	PAINT	COLUMN - ROUND	METAL	FAIR	RED	FIRST	ROW 6 - K	NO	0.01
22	8/7/2008	PAINT	COLUMN - ROUND	METAL	FAIR	RED	FIRST	ROW 6 - G	NO	0
23	8/7/2008	PAINT	COLUMN - ROUND	METAL	FAIR	RED	FIRST	ROW 6 - E	NO	0
24	8/7/2008		COLUMN - ROUND	METAL	FAIR	RED	FIRST	ROW 6 - C	NO	0
25	8/7/2008	CALIBRATION	LEVEL III	NA	NA	NA	NA	NA	NA	1.1
26	8/7/2008	CALIBRATION	LEVEL III	NA	NA	NA	NA	NA	NA	1.1
27	8/7/2008	CALIBRATION	LEVEL III	NA	NA	NA	NA	NA	NA	1.1
28	8/8/2008	SHUTTER_CAL	NA	NA	NA	NA	NA	NA	NA	5.92
29	8/8/2008	CALIBRATION	LEVEL III	NA	NA	NA	NA	NA	NA	1.1
30	8/8/2008	CALIBRATION	LEVEL III	NA	NA	NA	NA	NA	NA	1.1
31	8/8/2008	CALIBRATION	LEVEL III	NA	NA	NA	NA	NA	NA	1.1
32	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	NORTH	YES	6.9
33	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	NORTH	YES	4.8
34	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	NORTH	YES	4.4

NORTHGATE MALL SAN RAFAEL, CALIFORNIA XRF PAINT SAMPLE RESULTS

Reading	Date	Туре	Component	Substrate	Condition	Color	Floor	Location	Lead Based Paint	Lead Concentration
No									(yes/no)	(mg/cm ²)
35	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	NORTH	YES	7.7
36	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	NORTH	YES	9.2
37	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	NORTH	YES	9.4
38	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	NORTH	YES	7.7
39	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	NORTH	YES	4.6
40	8/8/2008	PAINT	BEAM	METAL	FAIR	RED	UPPER CATWALK	NORTH	YES	6.6
41	8/8/2008	PAINT	BEAM	METAL	FAIR	RED	UPPER CATWALK	NORTH	YES	11.2
42	8/8/2008	PAINT	BEAM	METAL	FAIR	RED	UPPER CATWALK	NORTH	YES	6.4
43	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	MID MALL	YES	6.3
44	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	MID MALL	YES	4.4
45	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	MID MALL	YES	2.6
46	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	MID MALL	YES	8.7
47	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	MID MALL	YES	4.6
48	8/8/2008	PAINT	BEAM	METAL	FAIR	RED	UPPER CATWALK	MID MALL	YES	4.4
49	8/8/2008	PAINT	BEAM	METAL	FAIR	RED	UPPER CATWALK	MID MALL	YES	9
50	8/8/2008	PAINT	BEAM	METAL	FAIR	RED	UPPER CATWALK	MID MALL	YES	8.8
51	8/8/2008	PAINT	BEAM	METAL	FAIR	RED	UPPER CATWALK	MID MALL	YES	1.9
52	8/8/2008	PAINT	BEAM	METAL	FAIR	RED	UPPER CATWALK	MID MALL	YES	4.2
53	8/8/2008	PAINT	BEAM	METAL	FAIR	RED	UPPER CATWALK	MID MALL	YES	22.3
54	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	SOUTHEAST	YES	6.1
55	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	SOUTHEAST	YES	10
56	8/8/2008	PAINT	COLUMN	METAL	FAIR	RED	UPPER CATWALK	SOUTHEAST	YES	4.5
57	8/8/2008	PAINT	BEAM	METAL	FAIR	RED	UPPER CATWALK	SOUTHEAST	YES	14
58	8/8/2008	PAINT	BEAM	METAL	FAIR	RED	UPPER CATWALK	SOUTHEAST	YES	18.1
59	8/8/2008	PAINT	BEAM	METAL	FAIR	RED	UPPER CATWALK	SOUTHEAST	YES	3.8
60	8/8/2008	CALIBRATION	LEVEL III	NA	NA	NA	NA	NA	NA	1.1
61	8/8/2008	CALIBRATION	LEVEL III	NA	NA	NA	NA	NA	NA	1.1
62	8/8/2008	CALIBRATION	LEVEL III	NA	NA	NA	NA	NA	NA	1.1

ATTACHMENT B: ATC CERTIFICATIONS



Mr. Paul A. Lowe ATC Associates, Inc. 6602 Owens Drive, Suite 100 Pleasanton, California 94588 State of California Department of Public Health
Lead-Related Certificate Expiration
Construction Type Date
Inspector/Assessor 03/25/2009

Mr. Eloy F. Cisneros 6602 Owens Drive, Suite 100 Pleasanton, California 94588



Sigma Engineering, Inc.

· Main Office: 2101 Auto Center Drive, Suite 150, Oxnard, CA 93036-8939 · Phone (805) 983-6262 · Fax (805) 483-4992 · South: 17139 Bellflower Boulevard, Suite 201 · Bellflower, CA 90706 · Phone (562) 804-7252 · Fax (562) 804-7255 ·

October 20, 2009

Mr. Aladdin Ghafari Macerich Management Company 401 Wilshire Boulevard, Suite 700 Santa Monica, California 90401

Re: Phase II Environmental Site Assessment Recommendations Sears Automotive Center, Northgate Mall 9000 Northgate Mall San Rafael, CA 94903

Dear Mr. Ghafari:

Sigma Engineering, Inc. (SEI) is pleased to submit this letter detailing recommendations regarding the October, 2009 Phase II Environmental Site Assessment (ESA) performed at the Sears Automotive Center in San Rafael, California. This investigation was conducted on two suspect areas of the existing Sears Automotive Center located at the Northgate Mall in San Rafael, California (Site), the former fueling area, and the existing auto repair shop. Based on the findings of the investigation, as detailed in SEI's October, 2009 Phase II Environmental Site Assessment Report, SEI has the following recommendations:

Existing Auto Service Area

SEI recommends that proper procedures be followed with regard to the clarifier and trench drain system. Some oil/sheen and surface staining was noted in and around the various drain features. If future remodeling/soil disturbance of this area is planned, SEI recommends that an observer be onsite to screen the exposed soil with a PID. Any soil with staining or elevated PID readings should be segregated and properly tested to determine appropriate handling procedures.

Former UST Area

SEI recommends that the wells be checked and sampled in approximately 4 or 5 months. If the wells remain dry during the course of this year's rainy season, then SEI recommends that they be properly abandoned. Note that DWR188 forms should be completed within 60 days of all well installation/abandonment.

Prior to well abandonment, a request for case closure should be presented to the lead agency, the San Rafael Fire Department (SRFD), under separate cover.

Be advised that the SRFD may require additional soil sampling/well installation with alternative drilling technology (i.e. hollow stem auger) in the area of the former USTs in order to get through the hardpan soil conditions and collect water samples/install monitoring wells. If additional wells are required by the SRFD, then the wellheads of all wells should all be surveyed so that a gradient can be determined. If the wells are not required by the SRFD, then such survey costs can be avoided.

Macerich Management Company Sears Automotive Center, Northgate Mall SEI Project No. 098275 Page 2 of 2

In addition, SEI recommends that the drummed soil cuttings be scheduled for proper disposal as soon as possible.

Please contact this office if you have any questions regarding the information contained in this report.

Respectfully Submitted: Sigma Engineering, Inc.

Keith G. Farrell, CEG No. 1314

Elizabeth Zernik, REA Senior Engineering Geologist Project Environmental Scientist

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

at:

Sears Automotive Center Northgate Mall 9000 Northgate Mall San Rafael, CA 94903

prepared by:

Sigma Engineering, Inc. 2101 Auto Center Drive, #150 Oxnard, CA 93036 Project No. 098275

Keith Farrell State of California Certified Engineering Geologist #1314

> Elizabeth Zernik, REA Project Scientist

> > 20 October, 2009

Macerich Management Company Sears Automotive Center, Northgate Mall SEI Project No. 098275 Page 2 of 11

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT SEARS AUTOMOTIVE CENTER NORTHGATE MALL 9000 NORTHGATE MALL SAN RAFAEL, CA 94903

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Appendix A: Figures 1 and 2

Appendix B: Analytical Results & Chain-of-Custody Documentation

Appendix C: Boring Logs

Macerich Management Company Sears Automotive Center, Northgate Mall SEI Project No. 098275 Page 3 of 11

1.0 INTRODUCTION

Sigma Engineering, Inc. (SEI) is pleased to submit this Phase II Environmental Site Assessment (ESA) report of the Sears Automotive Center in San Rafael, California. This investigation was conducted on two suspect areas of the existing Sears Automotive Center located at the Northgate Mall in San Rafael, California (Site). The Site Location is shown on Figure 1, and the Site layout and boring locations are shown on Figure 2 in Appendix A.

The purpose of this Phase II ESA was to conduct subsurface sampling and testing in the following two areas at the Site:

- 1. Former fueling area (former tanks and pump islands) and,
- 2. Existing Auto Repair Shop, including hydraulic lifts, trench drain and 3-stage clarifier.

The work at the former fueling area included subsurface sampling and testing to respond to past fire department requests for additional site assessment in an attempt to achieve site closure. There is an unresolved November 16, 1999 directive from the City of San Rafael Fire Department, to collect soil and water samples and test for MTBE as a requirement for case closure. The work at the existing auto repair shop area was conducted to assess if the subsurface has been impacted by historical auto repair shop operations.

2.0 BACKGROUND

In August 2009, the lender commissioned a Phase I ESA, which was completed by AEI Consultants dated August 6, 2009, for the entire mall. This Phase I ESA identified the following recognized environmental conditions (RECs) at the Sears Automotive Center:

- "The subject property Sears Automotive Center is currently equipped with 14 belowground hydraulic lifts and was formerly equipped with an additional three belowground hydraulic lifts. No information identifying the specific installation date was available for review, therefore these lifts were presumably installed in 1971 when the automotive center was constructed and based on the pre-1977 installation of the lifts, the potential exists that the hydraulic fluid within the lift systems previously contained polychlorinated biphenyls (PCBs). In 1996, three lifts were removed from the subject property and the soil was found to contain up to 11,000 parts per million (ppm) Total Petroleum Hydrocarbons as hydraulic oil (TPH-h) as well as polychlorinated biphenyls (PCBs) at 0.48 ppm. Groundwater was not encountered to seven feet bgs (soil boring maximum depth) and therefore no groundwater samples were collected. Additional soil was excavated to remove the contaminated soil; however, no confirmation sampling was performed. Due to the age of the equipment, the integrity of the current hydraulic lifts is unknown; however, as contamination was discovered in relation to the removed lifts the potential exists that the current lifts may have also leaked. In addition, due to the shallow depth to groundwater at the property, the potential exists that groundwater could be impacted by such a release. Therefore, based on the presence of the hydraulic lifts and the unknown concentrations of contamination remaining in the soil surrounding the removed lifts, the current and former presence of belowground hydraulic lifts represents a recognized environmental condition.
- Sears Automotive Center is reportedly equipped with an oil/water separator, which appears to be connected to a trench drain that runs the length of the repair shop. The separator is reportedly emptied by a third party. No information identifying the specific installation date was available for review, therefore the oil/water separator was presumably installed in 1971 when the automotive center was constructed. Additionally, no information regarding past sampling of the separator was available. Oil/water separators have the potential to act as conduits to the subsurface of properties. Due to the use of the subject property

Macerich Management Company Sears Automotive Center, Northgate Mall SEI Project No. 098275 Page 4 of 11

for vehicle repair, the potential use of perchloroethylene (PCE) and trichloroethylene (TCE) by Sears (as identified in regulatory database) in the auto repair operations and the lack of information indicating the length of time the separator has been located onsite, there is a potential that contaminants such as oils or solvents present in the waste stream could impact the soil beneath the property if the separator or associated drain system has become compromised. On this basis, the presence of the clarifier represents a recognized environmental condition.

According to historical sources, it appears the subject property was developed with a gas station and automotive center in 1971/1972. According to a November 1999 San Rafael Fire Department (SRFD) letter to Sears, Roebuck and Co. up to eight gasoline, waste oil and/or new oil underground storage tanks (USTs) were associated with the onsite Sears Automotive Center and were reportedly removed from the subject property in 1985 and 1987 while fuel island dispensers and products lines were removed from the site in 1994. However, a Marin County Environmental Health Department (MCEHD) UST removal application and a UST removal invoice provided by the client only identified the removal of four USTs and it is therefore unclear if USTs remain on the subject property. In a March 1987 "Clearance" letter to Sears, Roebuck Co., the MCEHD indicated that the "analysis of samples of the soil and groundwater at the above site indicated a safe level or absence of any residual of the product formerly stored in underground storage tanks" at the subject property; however, it is unknown whether any residual contamination remains at the subject property and according to the 1999 SRFD letter, further soil borings and groundwater samples were needed at the site to sample for Methyl tert-Butyl Ether (MtBE) prior to site closure per the Regional Water Quality Control Board (RWQCB). No information regarding the testing of the site for MtBE was provided to AEI or available at the MCEHD, SRFD or RWQCB. While a 1987 "Clearance" letter does exist for the property, based on the lack of sampling data associated with the removal of the USTs, the lack of MtBE sampling; and the lack of removal documentation available for the USTs, it is unknown whether any contamination or USTs remain at the subject property and therefore the USTs represent a significant environmental concern."

Based on the Phase I findings, the lender required the owner to perform a subsurface investigation around the former USTs and around the existing auto repair shop features, as detailed below. The following scope of work, dated September 28, 2009, was approved by the lender and Sears:

- Review available utility drawings, contact Underground Services Alert, and perform a Geophysical Survey
 to attempt to locate previous USTs that may still be present at the Site, and to clear the boring locations for
 utilities.
- Advance a total of eight (8) Geoprobe borings, (seven between the seven pairs of hydraulic lifts that are currently present and one at the location of the two former hydraulic lifts where elevated concentrations of total petroleum hydrocarbons (TPH) as hydraulic oil (TPH-h) were detected and no confirmation soil sampling was performed after impacted soil was removed). These borings will be placed between the hydraulic lifts and the existing trench drain and oil water separator, to address these areas as well. Two saturated soil or grab water samples will be collected from the two borings closest to the oil water separator. The borings will be advanced to 10 feet below ground surface (bgs), and soil samples will be collected at 10 feet bgs and analyzed for EPA Method 8015 (carbon chain) for total petroleum hydrocarbons and aromatic volatile organic compounds and oxygenates by Method 8260B. If elevated concentrations of TPH-h are present analyze the samples for polychlorinated biphenyls (PCBs).
- Advance four (4) Geoprobe borings to 20 feet bgs, two up gradient and two down gradient of the former
 fueling area, where two fuel USTs have been removed and the likely location of other USTs that may still be
 present. Collect soil samples at 10, 15, and 20 feet bgs and convert the borings to monitoring wells (depth to
 groundwater is estimated to be approximately 12 feet bgs). After developing the wells, collect a groundwater

Macerich Management Company Sears Automotive Center, Northgate Mall SEI Project No. 098275 Page 5 of 11

sample from each. The soil and groundwater samples will be tested in accordance with the Regional Water Quality Control Board criteria, using EPA Method 8015 (carbon chain) for total petroleum hydrocarbons and aromatic volatile organic compounds and oxygenates by Method 8260B. The soil in each sampling tube will be sub-sampled using Method 5035 for preservation.

- Borehole locations will be patched with either concrete or asphalt to match the surrounding payement.
- Investigation derived waste (will be limited to groundwater, since soil cuttings are not generated with a Geoprobe rig) will be temporarily stored in Department of Transportation approved 55-gallon drums, prior to proper off-site disposal. SEI will coordinate with local Sear's representatives to assess the best area to temporarily store these drums.
- SEI will make efforts to minimize the impact of this investigation on the operation of this facility. The
 Geoprobe will consist of a pick-up truck mounted rig, and will only take up a small area of the facility. SEI
 will coordinate with the local Sear's representatives to schedule the interior borings to a time of day that is
 convenient.
- Prepare a report containing SEI's findings and recommendations.

Upon review of the site layout, it was determined that the oil/water separator was located outside of the building, in contrast to the Phase I assertion, that it was located within the building.

3.0 FIELD SUMMARY

Underground Service Alert (USA) was contacted to locate utilities in the area of the borings, as required. A site-specific health and safety plan was prepared and reviewed by personnel for the work at the Site. On September 29, 2009, SEI personnel were on site to oversee a geophysical survey and review site conditions and markings by USA. In addition, SEI met with Sears personnel to coordinate field work and minimize disturbance to ongoing operations. Boring locations were cleared, both inside and outside the building, and the Site was surveyed for indications of USTs and underground utilities. B1 and B2 were cleared for placement around the outside clarifier, and B3 through B8 were cleared for interior boring locations. No indications of USTs remaining in the ground were identified in the area surveyed, which was based on the north site of the building.

On October 5 and 6, 2009, SEI personnel returned to the Site to conduct the investigation. SEI oversaw Vironex Drilling, as they advanced eight (8) borings, and attempted four (4) monitoring wells (see Figure 2). All fieldwork was conducted under the direct supervision of a California Professional Geologist. As stated previously, there were two main areas of investigation:

Existing Auto Repair Shop, including hydraulic lifts, trench drain and 3-stage clarifier —

• Borings B1 and B2 were advanced at the northeast and southwest corners of the clarifier located near the exterior northwest corner of the building, to collect a 10 foot below ground surface (bgs) soil sample and a saturated soil sample. In B1, a saturated soil sample was collected at 22 feet bgs. In B2, auger refusal was encountered at 23 feet bgs, and no groundwater or saturated soil was encountered. The last sample collected in B2 was dry at 23 feet bgs. Samples were analyzed for EPA Method 8015 (carbon chain) for total petroleum hydrocarbons and aromatic volatile organic compounds and oxygenates by Method 8260B. If elevated concentrations of TPH-h were detected, the lab was directed to analyze the samples for polychlorinated biphenyls (PCBs).

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• Borings B3 through B8 were advanced along the north and south sides of the interior trench drain, between the drain and the hydraulic lifts, with their locations adjusted due to the exterior location of the clarifier. B4, B6, and B8 were on the south side of the trench, and B3, B5, and B7 were on the north side of the trench. Based on site reconnaissance and site personnel knowledge, at least 3 sub-drains were noted along the center trench drain, presumably leading to the north and connecting to the 3-stage clarifier outside near the northwest corner of the building. Based on this information, hand augering was conducted in B3, B5, and B7 to approximately 2 and ½ feet bgs to be clear of any sub-drain lines. No lines were encountered; however, elevated Photo Ionization Detector (PID) readings (maximum 200 parts per million in B7-10') and areas of discoloration were noted in these northerly borings. Samples were analyzed for EPA Method 8015 (carbon chain) for total petroleum hydrocarbons and aromatic volatile organic compounds and oxygenates by Method 8260B. If elevated concentrations of TPH-h were detected, the lab was directed to analyze the samples for PCBs.

Former UST area—

- Monitoring wells were proposed in the former UST/dispenser island area. During drilling and soil sampling of MW4 and MW3 (the two monitoring wells proposed to the north of the former UST/dispenser island area) no groundwater was encountered, and auger refusal was encountered at 18.5 feet bgs and 16 feet bgs, respectively. Wells were installed in both of these locations, in the event of seasonal fluctuations in the groundwater table. During drilling and sampling of MW-2, no groundwater was encountered and auger refusal was encountered at 17 feet bgs. No well was set in this location; instead, a Hydropunch sample was attempted in lieu of MW1, midway between the proposed location of MW1 and MW2 (the two monitoring wells proposed to the south of the former UST/dispenser island area), in an attempt to collect a water sample. Since the Hydropunch has a smaller diameter rod, it was conjectured that this tool might be able to collect a water sample where the larger diameter well installation equipment was encountering auger refusal. Hydropunch auger refusal was encountered at 15 feet bgs, with no groundwater encountered and no sample collected.
- An attempt was made to develop MW4 and collect a groundwater sample; however, minimal water was present in the well (<1 inch), and no water sample was recoverable in the bailer. In addition, MW3 was measured with a water level indicator and no water was detected in the well. The soil samples (depths of 10 and 15 feet bgs for MW3 and MW4, respectively), from these wells were tested in accordance with the Regional Water Quality Control Board criteria, using EPA Method 8015 (carbon chain) for total petroleum hydrocarbons and aromatic volatile organic compounds and oxygenates by Method 8260B. The soil in each sampling tube was sub-sampled using Method 5035 for preservation.</p>

The borings were advanced to depths ranging from 10 feet below ground surface (bgs) to 23 feet bgs using a Geoprobe 6600 direct push rig with continuous core sampling mechanism. Samples were collected at approximate 5-foot intervals. The sample sleeves were covered with Teflon, capped with plastic caps, labeled, and placed in an insulated ice chest containing ice. Only new core samplers were used at each sample location.

All soil borings and the Hydropunch location were backfilled to 4 inches below ground surface with cement/bentonite grout and capped with concrete colored to match. Monitoring wells were installed as shown on the attached well completion diagrams/boring logs, using pre-fabricated screen and seal materials (Appendix C). Investigation derived waste was collected in a steel 55-gallon drum, pending laboratory analysis. SEI coordinated its location with Sears personnel and walked boring and monitoring well locations to confirm their condition prior to departure.

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4.0 SITE GEOLOGIC/HYDROGEOLOGIC CONDITIONS

The site is underlain by shallow alluvium overlying bedrock at depth. The alluvium consists of mixes silt, sand and clay, with layers of tight gravels at depth. The site is located at an elevation of approximately 20 to 30 feet above sea level, and groundwater occurs in the underlying alluvium at varying depths, slightly above sea level, corresponding to a depth of 20 to 25 feet. The historic local surface drainage flowed to the north-northeast past Mt Olivet Cemetery, and then east toward San Francisco Bay.

During the site assessment field work, groundwater was encountered at approximately 22 feet below ground surface (bgs) in B1. No groundwater was encountered in the remainder of the borings advanced. Auger refusal was encountered at varying depths due to tight clayey soil conditions and bay mud or hardpan. See Appendix C for the boring logs/monitoring well completion diagrams. The direction of groundwater flow is anticipated to generally follow the surface topography of the Site vicinity, which trends to the northeast; however, regional variation is expected due to fill and proximity to the San Pablo/San Francisco Bays.

5.0 LABORATORY ANALYSIS

All samples were tested in accordance with the Regional Water Quality Control Board criteria, using EPA Method 8015 (carbon chain) for total petroleum hydrocarbons and aromatic volatile organic compounds and oxygenates by Method 8260B. For samples collected around the former USTs, the soil in each sampling tube was sub-sampled using Method 5035 for preservation. All samples were maintained under appropriate preservation conditions and delivered to TestAmerica Laboratories, Inc. (TAL), a California State Certified laboratory located at 1220 Quarry Lane, in Pleasanton, California, under proper chain of custody procedures, for chemical analysis.

6.0 ANALYTICAL RESULTS

A total of 24 soil samples were submitted to TAL following proper chain-of-custody procedures. The analytical results are summarized below:

- No MTBE, other fuel oxygenates, or BTEX constituents were detected in any of the samples analyzed;
- No PCE or TCE was detected in any of the samples analyzed;
- No Total Petroleum Hydrocarbons as hydraulic oil (TPH-h) was detected in any of the samples analyzed;
- Where constituents were detected above the laboratory practical quantitation limit (PQL), none were above respective regulatory screening levels, as shown below. See Appendix B, for the complete set of analytical results.

Table 1
Summary of Chemical Concentrations Detected Above the Laboratory PQL

Constituent	B1-22	B2-23	B3-10	B8-10	MW2-15	MW3-10	MW3-15	EPA RSL*	RWQCB SSLs
	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(mg/Kg)
TPH-D**	3.3	35	<0.99	1.5	7.8	2.0	15	NE	10,000***
Methylene Chloride	<10	16	<10	<10	<10	<10	<10	11,000	NE
Acetone	< 50	< 50	73	< 50	< 50	< 50	< 50	61,000,000	NE
2-Butanone (MEK)	<47	<47	<47	59	<47	<47	<47	28,000,000	NE

^{*} Residential Soil, Source: EPA Regional Screening Level, April 2009 Master.

^{**} TPH-D results are expressed in mg/Kg

^{***} Diesel in soil any depth above groundwater (non-drinking water) Source: RWQCB March 1996 Guidebook: Petroleum Soil Screening Levels (SSLs) NE Not Established

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7.0 CONCLUSIONS

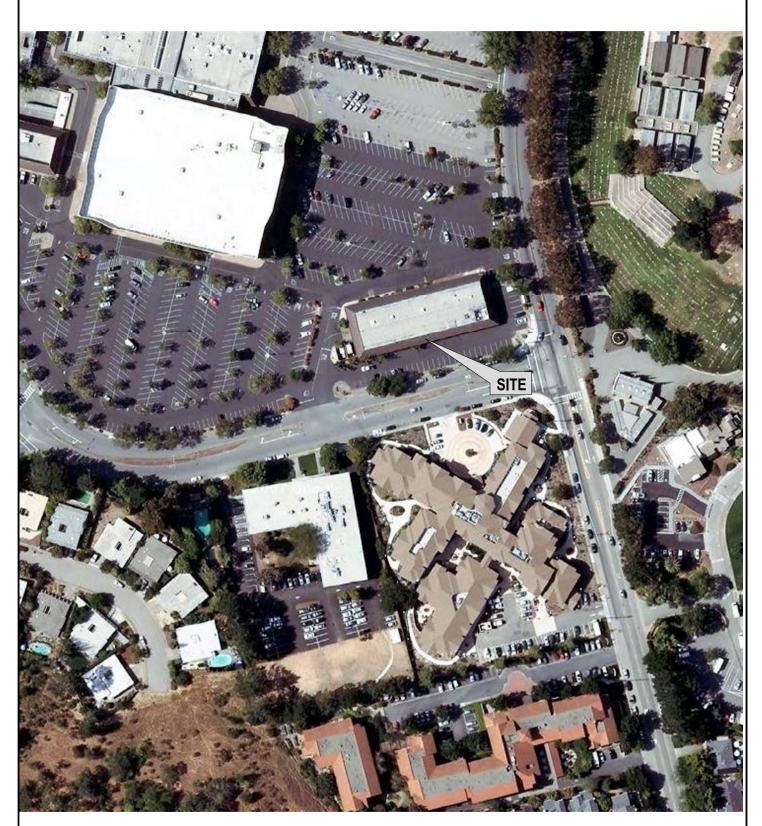
Based on field observations and laboratory analytical results, it is Sigma's professional opinion that soil in the former UST area has not been significantly impacted. No MTBE was detected in any of the samples analyzed, and no concentrations of hydrocarbons above regulatory screening levels were detected. The tight clayey soil conditions at the Site are not anticipated to be conducive to significant contaminant migration.

In addition, based on laboratory analytical results, the soil in area of the active automotive service area has not been significantly impacted. No TPH-h, PCE, or TCE was detected in the samples analyzed, and no other VOCs above regulatory screening levels were detected. The tight clayey soil conditions at the Site are not anticipated to be conducive to significant contaminant migration.

8.0 LIMITATIONS

The statements, conclusions, and recommendations are based on field observations and analytical test results. No review was performed regarding surrounding conditions or on nearby contamination. The conclusions and statements expressed in this summary report are based on observed conditions and are valid relative to those Site conditions and limited knowledge. Future review and interpretations should consider surrounding conditions and regulatory changes that may have been enacted subsequent to the preparation of this summary report.

Appendix A Figures 1 and 2





Sigma Engineering Inc.

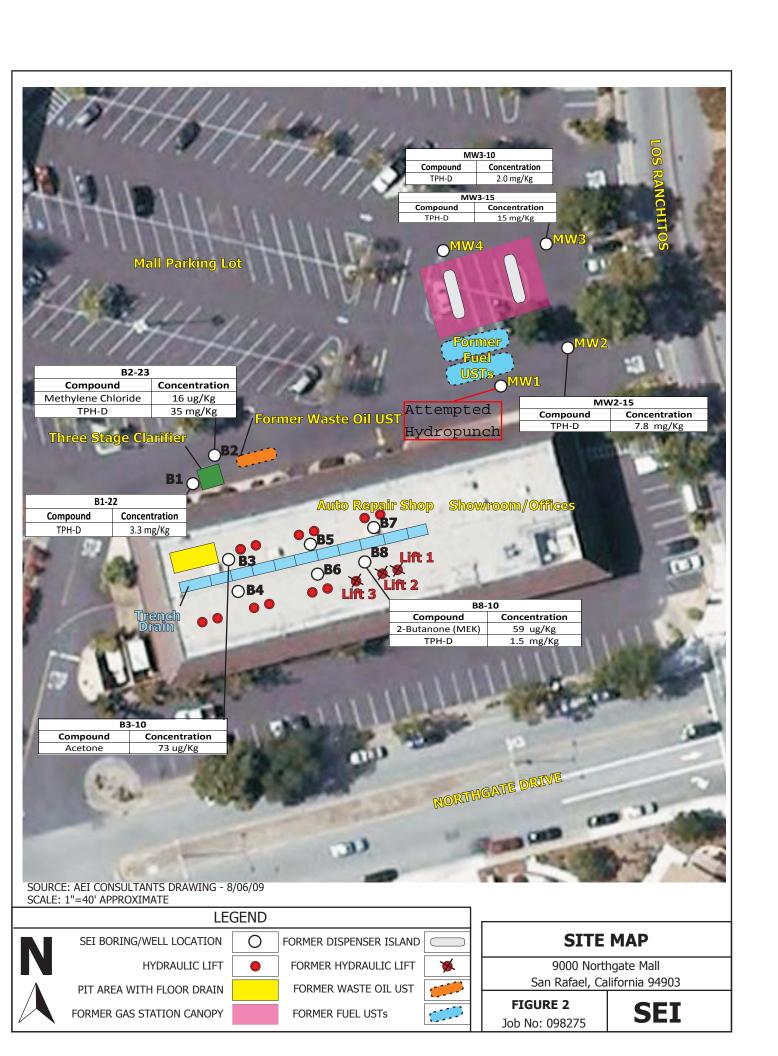
2101 Auto Center Drive Oxnard, California 93036 FILE NAME: DATE: 098275 10/15/09

SOURCE:

Topographic Map Dated 7/1/1983 Site Location Map Sear Auto Center 9000 Northgate Mall San Rafeal, CA

FIGURE

1



Appendix B Analytical Results & Chain-of-Custody Documentation



ANALYTICAL REPORT

Job Number: 720-23080-1

Job Description: Sears Northgate Mall, San Rafael

For:

Sigma Engineering, Inc. 2101 Auto Center Dr. #150 Oxnard, CA 93036

Attention: Mr. Chris Wells

Approved for release Dimple Sharma Project Manager I 10/14/2009 5:39 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
10/14/2009

CA ELAP Certification # 2496

The Chain(s) of Custody are included and are an integral part of this report.

The report shall not be reproduced except in full, without the written approval of the laboratory. The client, by accepting this report, also agrees not to alter any reports whether in the hard copy or electronic format and to use reasonable efforts to preserve the reports in the form and substance originally provided by TestAmerica.

A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

Job Narrative 720-J23080-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside the upper control limit: B1-10' (720-23080-1). This sample did not contain any target analytes; therefore, re-analysis was not performed.

Method(s) 8260B: The laboratory control sample (LCS) for preparation batch #59302 exceeded control limits for the following analytes: 1,2-Dichloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) for 1,1,2,2-Tetrachloroethane and 1,2,3-Trichloropropane recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): Chlorobenzene-d5 and 1,4-dichlorobenzene-d4 are low. B2-23' (720-23080-6). The sample(s) shows evidence of matrix interference. Sample was re-extracted and re-analyzed and confirmed low internal standards.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: B2-23' (720-23080-6). 4-bromofluorobenzene is low. Evidence of matrix interference is present. Re-extraction and/or re-analysis was performed and confirmed.

Method(s) 8260B: Internal standard responses and surrogate were outside of acceptance limits for the following sample(s): MW2-15' (720-23080-14). The sample(s) shows evidence of matrix interference and confirmed by reanalysis.

Method(s) 8260B: The laboratory control sample (LCS) for preparation batch #59397 exceeded control limits for the following analytes: 12DCA,DBCP,13DCPA, MIBK, MTBE,1122PCA, 2-HEXANONE and 1,3DCPE. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): MW4-10' (720-23080-7), MW3-10' (720-23080-10), MW3-15' (720-23080-11), MW4-15' (720-23080-8). The sample(s) shows evidence of matrix interference and confirmed by reanalysis.

No other analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Job Number: 720-23080-1

Client: Sigma Engineering, Inc.

Lab Sample ID CI Analyte	ient Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-23080-4	B1-22'				
Diesel Range Organics	[C10-C28]	3.3	1.0	mg/Kg	8015B
720-23080-6	B2-23'				
Methylene Chloride		16	10	ug/Kg	8260B
Diesel Range Organics	[C10-C28]	35	1.0	mg/Kg	8015B
720-23080-10	MW3-10'				
Diesel Range Organics	[C10-C28]	2.0	0.99	mg/Kg	8015B
720-23080-11	MW3-15'				
Diesel Range Organics	[C10-C28]	15	1.0	mg/Kg	8015B
720-23080-14	MW2-15'				
Diesel Range Organics	[C10-C28]	7.8	0.99	mg/Kg	8015B
720-23080-17	B3-10'				
Acetone		73	50	ug/Kg	8260B
720-23080-24	B8-10'				
2-Butanone (MEK)		59	47	ug/Kg	8260B
Diesel Range Organics	[C10-C28]	1.5	0.99	mg/Kg	8015B

METHOD SUMMARY

Job Number: 720-23080-1

Client: Sigma Engineering, Inc.

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL SF	SW846 8260B	
Purge and Trap	TAL SF		SW846 5030B
Closed System Purge and Trap	TAL SF		SW846 5035
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

			Date/Time	Date/Time
Lab Sample ID	Client Sample ID	Client Matrix	Sampled	Received
720-23080-1	B1-10'	Solid	10/05/2009 0715	10/06/2009 1834
720-23080-4	B1-22'	Solid	10/05/2009 0000	10/06/2009 1834
720-23080-5	B2-10'	Solid	10/05/2009 0000	10/06/2009 1834
720-23080-6	B2-23'	Solid	10/05/2009 0000	10/06/2009 1834
720-23080-7	MW4-10'	Solid	10/05/2009 0000	10/06/2009 1834
720-23080-8	MW4-15'	Solid	10/05/2009 0000	10/06/2009 1834
720-23080-10	MW3-10'	Solid	10/05/2009 1430	10/06/2009 1834
720-23080-11	MW3-15'	Solid	10/05/2009 0000	10/06/2009 1834
720-23080-13	MW2-10'	Solid	10/04/2009 1255	10/06/2009 1834
720-23080-14	MW2-15'	Solid	10/04/2009 1329	10/06/2009 1834
720-23080-17	B3-10'	Solid	10/04/2009 0800	10/06/2009 1834
720-23080-18	B4-10'	Solid	10/04/2009 0645	10/06/2009 1834
720-23080-20	B5-10'	Solid	10/04/2009 0830	10/06/2009 1834
720-23080-21	B6-10'	Solid	10/04/2009 0000	10/06/2009 1834
720-23080-23	B7-10'	Solid	10/06/2009 0905	10/06/2009 1834
720-23080-24	B8-10'	Solid	10/06/2009 0715	10/06/2009 1834

Client Sample ID: B1-10'

Lab Sample ID: 720-23080-1 Date Sampled: 10/05/2009 0715

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:8260BAnalysis Batch: 720-59302Instrument ID:HP12Preparation:5030BPrep Batch: 720-59352Lab File ID:10100909.DDilution:1.0Initial Weight/Volume:5.04 gDate Analyzed:10/10/2009 1533Final Weight/Volume:10 mL

 Date Analyzed:
 10/10/2009 1533
 Final Weight/Volume:

 Date Prepared:
 10/10/2009 1000
 Final Weight/Volume:

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		ND		50
Benzene		ND		5.0
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		9.9
2-Butanone (MEK)		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		9.9
Chloroform		ND		5.0
Chloromethane		ND		9.9
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		9.9
Dichlorodifluoromethane		ND		9.9
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND	*	5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Ethylbenzene		ND		5.0
Hexachlorobutadiene		ND		5.0
2-Hexanone		ND		50
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methylene Chloride		ND		9.9
4-Methyl-2-pentanone (MIBK)		ND		50
Naphthalene		ND		9.9

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B1-10'

Lab Sample ID: 720-23080-1 Date Sampled: 10/05/2009 0715 Client Matrix: Date Received: 10/06/2009 1834 Solid

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-59302 Instrument ID: HP12 Preparation: 5030B Prep Batch: 720-59352 Lab File ID: 10100909.D Dilution: 1.0 Initial Weight/Volume: 5.04 g 10/10/2009 1533 Final Weight/Volume: 10 mL

Date Analyzed:

10/10/2009 1000 Date Prepared:

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroeth	nane	ND		5.0
1,1,2,2-Tetrachloroeth	nane	ND		5.0
Tetrachloroethene		ND		5.0
Toluene		ND		5.0
1,2,3-Trichlorobenzer	ie	ND		5.0
1,2,4-Trichlorobenzer	e	ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethar	e	ND		5.0
1,2,3-Trichloropropan	e	ND		5.0
1,1,2-Trichloro-1,2,2-t	rifluoroethane	ND		5.0
1,2,4-Trimethylbenzei		ND		5.0
1,3,5-Trimethylbenzei	ne	ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
Xylenes, Total		ND		9.9
2,2-Dichloropropane		ND		5.0
Gasoline Range Orga	nics (GRO)-C5-C12	ND		250
ТВА		ND		5.0
DIPE		ND		5.0
TAME		ND		5.0
Ethyl t-butyl ether		ND		5.0
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzen	e	200	X	52 - 130
1,2-Dichloroethane-d4	4 (Surr)	219	Χ	67 - 132
Toluene-d8 (Surr)		197	Χ	58 - 130

Client Sample ID: B1-22'

Lab Sample ID: 720-23080-4 Date Sampled: 10/05/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-59302 HP12 Instrument ID: Preparation: 5030B Prep Batch: 720-59352 Lab File ID: 10100916.D Dilution: 1.0 Initial Weight/Volume: 5.17 g 10/10/2009 1921 Date Analyzed: Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.8
Acetone		ND		48
Benzene		ND		4.8
Dichlorobromomethane		ND		4.8
Bromobenzene		ND		4.8
Chlorobromomethane		ND		19
Bromoform		ND		4.8
Bromomethane		ND		9.7
2-Butanone (MEK)		ND		48
n-Butylbenzene		ND		4.8
sec-Butylbenzene		ND		4.8
tert-Butylbenzene		ND		4.8
Carbon disulfide		ND		4.8
Carbon tetrachloride		ND		4.8
Chlorobenzene		ND		4.8
Chloroethane		ND		9.7
Chloroform		ND		4.8
Chloromethane		ND		9.7
2-Chlorotoluene		ND		4.8
4-Chlorotoluene		ND		4.8
Chlorodibromomethane		ND		4.8
1,2-Dichlorobenzene		ND		4.8
1,3-Dichlorobenzene		ND		4.8
1,4-Dichlorobenzene		ND		4.8
1,3-Dichloropropane		ND		4.8
1,1-Dichloropropene		ND		4.8
1,2-Dibromo-3-Chloropropane	:	ND		4.8
Ethylene Dibromide		ND		4.8
Dibromomethane		ND		9.7
Dichlorodifluoromethane		ND		9.7
1,1-Dichloroethane		ND		4.8
1,2-Dichloroethane		ND	*	4.8
1,1-Dichloroethene		ND		4.8
cis-1,2-Dichloroethene		ND		4.8
trans-1,2-Dichloroethene		ND		4.8
1,2-Dichloropropane		ND		4.8
cis-1,3-Dichloropropene		ND		4.8
trans-1,3-Dichloropropene		ND		4.8
Ethylbenzene		ND		4.8
Hexachlorobutadiene		ND		4.8
2-Hexanone		ND		48
Isopropylbenzene		ND		4.8
4-Isopropyltoluene		ND		4.8
Methylene Chloride		ND		9.7
4-Methyl-2-pentanone (MIBK)		ND		48
Naphthalene		ND		9.7
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Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B1-22'

Lab Sample ID: 720-23080-4 Date Sampled: 10/05/2009 0000 Client Matrix:

Date Received: 10/06/2009 1834 Solid

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-59302 Instrument ID: HP12 Preparation: 5030B Prep Batch: 720-59352 Lab File ID: 10100916.D Dilution: 1.0 Initial Weight/Volume: 5.17 g 10 mL

10/10/2009 1921 Date Analyzed: Final Weight/Volume:

10/10/2009 1000 Date Prepared:

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.8
Styrene		ND		4.8
1,1,1,2-Tetrachloroethane		ND		4.8
1,1,2,2-Tetrachloroethane		ND		4.8
Tetrachloroethene		ND		4.8
Toluene		ND		4.8
1,2,3-Trichlorobenzene		ND		4.8
1,2,4-Trichlorobenzene		ND		4.8
1,1,1-Trichloroethane		ND		4.8
1,1,2-Trichloroethane		ND		4.8
Trichloroethene		ND		4.8
Trichlorofluoromethane		ND		4.8
1,2,3-Trichloropropane		ND		4.8
1,1,2-Trichloro-1,2,2-trifluoroe	ethane	ND		4.8
1,2,4-Trimethylbenzene		ND		4.8
1,3,5-Trimethylbenzene		ND		4.8
Vinyl acetate		ND		48
Vinyl chloride		ND		4.8
Xylenes, Total		ND		9.7
2,2-Dichloropropane		ND		4.8
Gasoline Range Organics (Gl	RO)-C5-C12	ND		240
TBA		ND		4.8
DIPE		ND		4.8
TAME		ND		4.8
Ethyl t-butyl ether		ND		4.8
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene		79		52 - 130
1,2-Dichloroethane-d4 (Surr)		117		67 - 132
Toluene-d8 (Surr)		97		58 - 130

Client Sample ID: B2-10'

Lab Sample ID: 720-23080-5 Date Sampled: 10/05/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: Analysis Batch: 720-59302 HP12 8260B Instrument ID: Preparation: 5030B Prep Batch: 720-59352 Lab File ID: 10100917.D Dilution: 1.0 Initial Weight/Volume: 5.98 g 10/10/2009 1954 Date Analyzed: Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.2
Acetone		ND		42
Benzene		ND		4.2
Dichlorobromomethane		ND		4.2
Bromobenzene		ND		4.2
Chlorobromomethane		ND		17
Bromoform		ND		4.2
Bromomethane		ND		8.4
2-Butanone (MEK)		ND		42
n-Butylbenzene		ND		4.2
sec-Butylbenzene		ND		4.2
tert-Butylbenzene		ND		4.2
Carbon disulfide		ND		4.2
Carbon tetrachloride		ND		4.2
Chlorobenzene		ND		4.2
Chloroethane		ND		8.4
Chloroform		ND		4.2
Chloromethane		ND		8.4
2-Chlorotoluene		ND		4.2
4-Chlorotoluene		ND		4.2
Chlorodibromomethane		ND		4.2
1,2-Dichlorobenzene		ND		4.2
1,3-Dichlorobenzene		ND		4.2
1,4-Dichlorobenzene		ND		4.2
1,3-Dichloropropane		ND		4.2
1,1-Dichloropropene		ND		4.2
1,2-Dibromo-3-Chloropropane		ND		4.2
Ethylene Dibromide		ND		4.2
Dibromomethane		ND		8.4
Dichlorodifluoromethane		ND		8.4
1,1-Dichloroethane		ND		4.2
1,2-Dichloroethane		ND	*	4.2
1,1-Dichloroethene		ND		4.2
cis-1,2-Dichloroethene		ND		4.2
trans-1,2-Dichloroethene		ND		4.2
1,2-Dichloropropane		ND ND		4.2
cis-1,3-Dichloropropene		ND		4.2
		ND ND		4.2
trans-1,3-Dichloropropene				
Ethylbenzene		ND ND		4.2
Hexachlorobutadiene 2-Hexanone		ND ND		4.2 42
Isopropylbenzene		ND ND		4.2
4-Isopropyltoluene		ND		4.2
Methylene Chloride		ND		8.4
4-Methyl-2-pentanone (MIBK)		ND		42
Naphthalene		ND		8.4

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B2-10'

Lab Sample ID: 720-23080-5 Date Sampled: 10/05/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:8260BAnalysis Batch: 720-59302Instrument ID:HP12Preparation:5030BPrep Batch: 720-59352Lab File ID:10100917.DDilution:1.0Initial Weight/Volume:5.98 g

Date Analyzed: 10/10/2009 1954 Final Weight/Volume: 10 mL

_				
	ryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.2
Styrene		ND		4.2
1,1,1,2-Tetrachloroethane		ND		4.2
1,1,2,2-Tetrachloroethane		ND		4.2
Tetrachloroethene		ND		4.2
Toluene		ND		4.2
1,2,3-Trichlorobenzene		ND		4.2
1,2,4-Trichlorobenzene		ND		4.2
1,1,1-Trichloroethane		ND		4.2
1,1,2-Trichloroethane		ND		4.2
Trichloroethene		ND		4.2
Trichlorofluoromethane		ND		4.2
1,2,3-Trichloropropane		ND		4.2
1,1,2-Trichloro-1,2,2-trifluoroetha	ne	ND		4.2
1,2,4-Trimethylbenzene		ND		4.2
1,3,5-Trimethylbenzene		ND		4.2
Vinyl acetate		ND		42
Vinyl chloride		ND		4.2
Xylenes, Total		ND		8.4
2,2-Dichloropropane		ND		4.2
Gasoline Range Organics (GRO)	-C5-C12	ND		210
TBA		ND		4.2
DIPE		ND		4.2
TAME		ND		4.2
Ethyl t-butyl ether		ND		4.2
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene		103		52 - 130
1,2-Dichloroethane-d4 (Surr)		112		67 - 132
Toluene-d8 (Surr)		104		58 - 130

Client Sample ID: B2-23'

Lab Sample ID: 720-23080-6 Date Sampled: 10/05/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-59384 Instrument ID: HP12 Preparation: 5030B Prep Batch: 720-59432 Lab File ID: 10120930.D Dilution: 1.0 Initial Weight/Volume: 5.00 g 10/13/2009 0139 Final Weight/Volume: 10 mL

Date Analyzed: 10/13/2009 0139 Date Prepared: 10/12/2009 0800

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		ND		50
Benzene		ND		5.0
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		10
2-Butanone (MEK)		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		10
Chloroform		ND		5.0
Chloromethane		ND		10
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		10
Dichlorodifluoromethane		ND		10
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND		5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Ethylbenzene		ND		5.0
Hexachlorobutadiene		ND		5.0
2-Hexanone		ND		50
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methylene Chloride		16		10
4-Methyl-2-pentanone (MIBK)		ND		50

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B2-23'

 Lab Sample ID:
 720-23080-6
 Date Sampled: 10/05/2009 0000

 Client Matrix:
 Solid
 Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

HP12 Method: 8260B Analysis Batch: 720-59384 Instrument ID: Preparation: 5030B Prep Batch: 720-59432 Lab File ID: 10120930.D Dilution: 1.0 Initial Weight/Volume: 5.00 g Date Analyzed: 10/13/2009 0139 Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroet	hane	ND		5.0
1,1,2,2-Tetrachloroet	hane	ND		5.0
Tetrachloroethene		ND		5.0
Toluene		ND		5.0
1,2,3-Trichlorobenze	ne	ND		5.0
1,2,4-Trichlorobenze	ne	ND		5.0
1,1,1-Trichloroethane	•	ND		5.0
1,1,2-Trichloroethane	•	ND		5.0
Trichloroethene		ND		5.0
Trichlorofluorometha	ne	ND		5.0
1,2,3-Trichloropropar	ne	ND		5.0
1,1,2-Trichloro-1,2,2-	trifluoroethane	ND		5.0
1,2,4-Trimethylbenze	ne	ND		5.0
1,3,5-Trimethylbenze	ne	ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
Xylenes, Total		ND		10
2,2-Dichloropropane		ND		5.0
Gasoline Range Orga	anics (GRO)-C5-C12	ND		250
TBA		ND		5.0
DIPE		ND		5.0
TAME		ND		5.0
Ethyl t-butyl ether		ND		5.0
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzer	ne	49	X	52 - 140
1,2-Dichloroethane-d	4 (Surr)	108		60 - 140
Toluene-d8 (Surr)		64		58 - 140

Job Number: 720-23080-1 Client: Sigma Engineering, Inc.

Client Sample ID: MW4-10'

Lab Sample ID: 720-23080-7 Date Sampled: 10/05/2009 0000

Client Matrix: Date Received: 10/06/2009 1834 Solid

8260B Volatile Organic Compounds (GC/MS)

Method: Analysis Batch: 720-59397 Instrument ID: HP12 8260B Preparation: 5035 Prep Batch: 720-59492 Lab File ID: 10130912.D Dilution: 1.0 Initial Weight/Volume: 6.512 g 10 mL

Date Analyzed: 10/13/2009 1402 Final Weight/Volume:

10/13/2009 0800 Date Prepared:

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		3.8
Acetone		ND		38
Benzene		ND		3.8
Dichlorobromomethane		ND		3.8
Bromobenzene		ND		3.8
Chlorobromomethane		ND		15
Bromoform		ND		3.8
Bromomethane		ND		7.7
2-Butanone (MEK)		ND		38
n-Butylbenzene		ND		3.8
sec-Butylbenzene		ND		3.8
tert-Butylbenzene		ND		3.8
Carbon disulfide		ND		3.8
Carbon tetrachloride		ND		3.8
Chlorobenzene		ND		3.8
Chloroethane		ND		7.7
Chloroform		ND		3.8
Chloromethane		ND		7.7
2-Chlorotoluene		ND		3.8
4-Chlorotoluene		ND		3.8
Chlorodibromomethane		ND		3.8
1,2-Dichlorobenzene		ND		3.8
1,3-Dichlorobenzene		ND		3.8
1,4-Dichlorobenzene		ND		3.8
1,3-Dichloropropane		ND		3.8
1,1-Dichloropropene		ND		3.8
1,2-Dibromo-3-Chloropropane	•	ND		3.8
Ethylene Dibromide		ND		3.8
Dibromomethane		ND		7.7
Dichlorodifluoromethane		ND		7.7
1,1-Dichloroethane		ND		3.8
1,2-Dichloroethane		ND		3.8
1,1-Dichloroethene		ND		3.8
cis-1,2-Dichloroethene		ND		3.8
trans-1,2-Dichloroethene		ND		3.8
1,2-Dichloropropane		ND		3.8
cis-1,3-Dichloropropene		ND		3.8
trans-1,3-Dichloropropene		ND		3.8
Ethylbenzene		ND		3.8
Hexachlorobutadiene		ND		3.8
2-Hexanone		ND		38
Isopropylbenzene		ND		3.8
4-Isopropyltoluene		ND		3.8
Methylene Chloride		ND		7.7
4-Methyl-2-pentanone (MIBK)		ND		38
Naphthalene		ND		7.7
*				

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: MW4-10'

Lab Sample ID: 720-23080-7 Date Sampled: 10/05/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

 Method:
 8260B
 Analysis Batch: 720-59397
 Instrument ID:
 HP12

 Preparation:
 5035
 Prep Batch: 720-59492
 Lab File ID:
 10130912.D

 Dilution:
 1.0
 Initial Weight/Volume:
 6.512
 g

Date Analyzed: 10/13/2009 1402 Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		3.8
Styrene		ND		3.8
1,1,1,2-Tetrachloroethane		ND		3.8
1,1,2,2-Tetrachloroethane		ND		3.8
Tetrachloroethene		ND		3.8
Toluene		ND		3.8
1,2,3-Trichlorobenzene		ND		3.8
1,2,4-Trichlorobenzene		ND		3.8
1,1,1-Trichloroethane		ND		3.8
1,1,2-Trichloroethane		ND		3.8
Trichloroethene		ND		3.8
Trichlorofluoromethane		ND		3.8
1,2,3-Trichloropropane		ND		3.8
1,1,2-Trichloro-1,2,2-trifluoroe	thane	ND		3.8
1,2,4-Trimethylbenzene		ND		3.8
1,3,5-Trimethylbenzene		ND		3.8
Vinyl acetate		ND		38
Vinyl chloride		ND		3.8
Xylenes, Total		ND		7.7
2,2-Dichloropropane		ND		3.8
Gasoline Range Organics (GF	RO)-C5-C12	ND		190
TBA		ND		3.8
DIPE		ND		3.8
TAME		ND		3.8
Ethyl t-butyl ether		ND		3.8
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene		106		52 - 140
1,2-Dichloroethane-d4 (Surr)		134		60 - 140
Toluene-d8 (Surr)		102		58 - 140

Client Sample ID: MW4-15'

 Lab Sample ID:
 720-23080-8
 Date Sampled: 10/05/2009 0000

 Client Matrix:
 Solid
 Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: Analysis Batch: 720-59397 HP12 8260B Instrument ID: Preparation: 5035 Prep Batch: 720-59492 Lab File ID: 10130913.D Dilution: 1.0 Initial Weight/Volume: 6.798 g Date Analyzed: 10/13/2009 1436 Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		3.7
Acetone		ND		37
Benzene		ND		3.7
Dichlorobromomethane		ND		3.7
Bromobenzene		ND		3.7
Chlorobromomethane		ND		15
Bromoform		ND		3.7
Bromomethane		ND		7.4
2-Butanone (MEK)		ND		37
n-Butylbenzene		ND		3.7
sec-Butylbenzene		ND		3.7
tert-Butylbenzene		ND		3.7
Carbon disulfide		ND		3.7
Carbon tetrachloride		ND		3.7
Chlorobenzene		ND		3.7
Chloroethane		ND		7.4
Chloroform		ND		3.7
Chloromethane		ND		7.4
2-Chlorotoluene		ND		3.7
4-Chlorotoluene		ND		3.7
Chlorodibromomethane		ND		3.7
1,2-Dichlorobenzene		ND		3.7
1,3-Dichlorobenzene		ND		3.7
1,4-Dichlorobenzene		ND		3.7
1,3-Dichloropropane		ND		3.7
1,1-Dichloropropene		ND		3.7
1,2-Dibromo-3-Chloropropane		ND		3.7
Ethylene Dibromide		ND		3.7
Dibromomethane		ND		7.4
Dichlorodifluoromethane		ND		7.4
1,1-Dichloroethane		ND		3.7
1,2-Dichloroethane		ND		3.7
1,1-Dichloroethene		ND		3.7
cis-1,2-Dichloroethene		ND		3.7
trans-1,2-Dichloroethene		ND		3.7
1,2-Dichloropropane		ND		3.7
cis-1,3-Dichloropropene		ND		3.7
trans-1,3-Dichloropropene		ND		3.7
Ethylbenzene		ND		3.7
Hexachlorobutadiene		ND		3.7
2-Hexanone		ND		37
Isopropylbenzene		ND		3.7
4-Isopropyltoluene		ND		3.7
Methylene Chloride		ND		7.4
4-Methyl-2-pentanone (MIBK)		ND		37
Naphthalene		ND		7.4
napillialette		IND		1.4

Job Number: 720-23080-1 Client: Sigma Engineering, Inc.

Client Sample ID: MW4-15'

Lab Sample ID: 720-23080-8 Date Sampled: 10/05/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: Analysis Batch: 720-59397 HP12 8260B Instrument ID: Preparation: 5035 Prep Batch: 720-59492 Lab File ID: 10130913.D Dilution: 1.0 Initial Weight/Volume: 6.798 g

Date Analyzed: 10/13/2009 1436 Final Weight/Volume: 10 mL 10/13/2009 0800 Date Prepared: DryWt Corrected: N Analyta Pocult (ua/Ka) Qualifier

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		3.7
Styrene		ND		3.7
1,1,1,2-Tetrachloroethane		ND		3.7
1,1,2,2-Tetrachloroethane		ND		3.7
Tetrachloroethene		ND		3.7
Toluene		ND		3.7
1,2,3-Trichlorobenzene		ND		3.7
1,2,4-Trichlorobenzene		ND		3.7
1,1,1-Trichloroethane		ND		3.7
1,1,2-Trichloroethane		ND		3.7
Trichloroethene		ND		3.7
Trichlorofluoromethane		ND		3.7
1,2,3-Trichloropropane		ND		3.7
1,1,2-Trichloro-1,2,2-trifluoroetha	ane	ND		3.7
1,2,4-Trimethylbenzene		ND		3.7
1,3,5-Trimethylbenzene		ND		3.7
Vinyl acetate		ND		37
Vinyl chloride		ND		3.7
Xylenes, Total		ND		7.4
2,2-Dichloropropane		ND		3.7
Gasoline Range Organics (GRO)-C5-C12	ND		180
TBA		ND		3.7
DIPE		ND		3.7
TAME		ND		3.7
Ethyl t-butyl ether		ND		3.7
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene		90		52 - 140

Surrogate	%Rec	Qualifier	Acceptance Limits	
4-Bromofluorobenzene	90		52 - 140	
1,2-Dichloroethane-d4 (Surr)	134		60 - 140	
Toluene-d8 (Surr)	97		58 - 140	

Job Number: 720-23080-1 Client: Sigma Engineering, Inc.

Client Sample ID: MW3-10'

Lab Sample ID: 720-23080-10 Date Sampled: 10/05/2009 1430

Client Matrix: Date Received: 10/06/2009 1834 Solid

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-59397 Instrument ID: HP12 Preparation: 5035 Prep Batch: 720-59492 Lab File ID: 10130914.D Dilution: 1.0 Initial Weight/Volume: 5.598 g Final Weight/Volume: 10 mL

Date Analyzed: 10/13/2009 1509

10/13/2009 0800 Date Prepared:

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.5
Acetone		ND		45
Benzene		ND		4.5
Dichlorobromomethane		ND		4.5
Bromobenzene		ND		4.5
Chlorobromomethane		ND		18
Bromoform		ND		4.5
Bromomethane		ND		8.9
2-Butanone (MEK)		ND		45
n-Butylbenzene		ND		4.5
sec-Butylbenzene		ND		4.5
tert-Butylbenzene		ND		4.5
Carbon disulfide		ND		4.5
Carbon tetrachloride		ND		4.5
Chlorobenzene		ND		4.5
Chloroethane		ND		8.9
Chloroform		ND		4.5
Chloromethane		ND		8.9
2-Chlorotoluene		ND		4.5
4-Chlorotoluene		ND		4.5
Chlorodibromomethane		ND		4.5
1,2-Dichlorobenzene		ND		4.5
1,3-Dichlorobenzene		ND		4.5
1,4-Dichlorobenzene		ND		4.5
1,3-Dichloropropane		ND		4.5
1,1-Dichloropropene		ND		4.5
1,2-Dibromo-3-Chloropropan	е	ND		4.5
Ethylene Dibromide		ND		4.5
Dibromomethane		ND		8.9
Dichlorodifluoromethane		ND		8.9
1,1-Dichloroethane		ND		4.5
1,2-Dichloroethane		ND		4.5
1,1-Dichloroethene		ND		4.5
cis-1,2-Dichloroethene		ND		4.5
trans-1,2-Dichloroethene		ND		4.5
1,2-Dichloropropane		ND		4.5
cis-1,3-Dichloropropene		ND		4.5
trans-1,3-Dichloropropene		ND		4.5
Ethylbenzene		ND		4.5
Hexachlorobutadiene		ND		4.5
2-Hexanone		ND		45
Isopropylbenzene		ND		4.5
4-Isopropyltoluene		ND		4.5
Methylene Chloride		ND		8.9
4-Methyl-2-pentanone (MIBK)	ND		45
Naphthalene	,	ND		8.9
				5.0

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: MW3-10'

Lab Sample ID: 720-23080-10 Date Sampled: 10/05/2009 1430

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:8260BAnalysis Batch: 720-59397Instrument ID:HP12Preparation:5035Prep Batch: 720-59492Lab File ID:10130914.DDilution:1.0Initial Weight/Volume:5.598 g

Date Analyzed: 10/13/2009 1509 Final Weight/Volume: 10 mL

Analyte DryW	/t Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND	Quanto	4.5
Styrene		ND		4.5
1,1,1,2-Tetrachloroethane		ND		4.5
1,1,2,2-Tetrachloroethane		ND		4.5
Tetrachloroethene		ND		4.5
Toluene		ND		4.5
1,2,3-Trichlorobenzene		ND		4.5
1,2,4-Trichlorobenzene		ND		4.5
1,1,1-Trichloroethane		ND		4.5
1,1,2-Trichloroethane		ND		4.5
Trichloroethene		ND		4.5
Trichlorofluoromethane		ND		4.5
1,2,3-Trichloropropane		ND		4.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.5
1,2,4-Trimethylbenzene		ND		4.5
1,3,5-Trimethylbenzene		ND		4.5
Vinyl acetate		ND		45
Vinyl chloride		ND		4.5
Xylenes, Total		ND		8.9
2,2-Dichloropropane		ND		4.5
Gasoline Range Organics (GRO)-C5	-C12	ND		220
TBA		ND		4.5
DIPE		ND		4.5
TAME		ND		4.5
Ethyl t-butyl ether		ND		4.5
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene		85		52 - 140
1,2-Dichloroethane-d4 (Surr)		138		60 - 140
Toluene-d8 (Surr)		97		58 - 140

Job Number: 720-23080-1 Client: Sigma Engineering, Inc.

Client Sample ID: MW3-15'

Lab Sample ID: 720-23080-11 Date Sampled: 10/05/2009 0000

Client Matrix: Date Received: 10/06/2009 1834 Solid

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-59397 Instrument ID: HP12 Preparation: 5035 Prep Batch: 720-59492 Lab File ID: 10130915.D Dilution: 6.246 g 1.0 Initial Weight/Volume: Date Analyzed: 10/13/2009 1543 Final Weight/Volume: 10 mL

10/13/2009 0800 Date Prepared:

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.0
Acetone		ND		40
Benzene		ND		4.0
Dichlorobromomethane		ND		4.0
Bromobenzene		ND		4.0
Chlorobromomethane		ND		16
Bromoform		ND		4.0
Bromomethane		ND		8.0
2-Butanone (MEK)		ND		40
n-Butylbenzene		ND		4.0
sec-Butylbenzene		ND		4.0
tert-Butylbenzene		ND		4.0
Carbon disulfide		ND		4.0
Carbon tetrachloride		ND		4.0
Chlorobenzene		ND		4.0
Chloroethane		ND		8.0
Chloroform		ND		4.0
Chloromethane		ND		8.0
2-Chlorotoluene		ND		4.0
4-Chlorotoluene		ND		4.0
Chlorodibromomethane		ND		4.0
1,2-Dichlorobenzene		ND		4.0
1,3-Dichlorobenzene		ND		4.0
1,4-Dichlorobenzene		ND		4.0
1,3-Dichloropropane		ND		4.0
1,1-Dichloropropene		ND		4.0
1,2-Dibromo-3-Chloropropane	•	ND		4.0
Ethylene Dibromide		ND		4.0
Dibromomethane		ND		8.0
Dichlorodifluoromethane		ND		8.0
1,1-Dichloroethane		ND		4.0
1,2-Dichloroethane		ND		4.0
1,1-Dichloroethene		ND		4.0
cis-1,2-Dichloroethene		ND		4.0
trans-1,2-Dichloroethene		ND		4.0
1,2-Dichloropropane		ND		4.0
cis-1,3-Dichloropropene		ND		4.0
trans-1,3-Dichloropropene		ND		4.0
Ethylbenzene		ND		4.0
Hexachlorobutadiene		ND		4.0
2-Hexanone		ND		40
Isopropylbenzene		ND		4.0
4-Isopropyltoluene		ND		4.0
Methylene Chloride		ND		8.0
4-Methyl-2-pentanone (MIBK)		ND		40
Naphthalene		ND		8.0
парпшанне		ואט		0.0

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: MW3-15'

Lab Sample ID: 720-23080-11 Date Sampled: 10/05/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:8260BAnalysis Batch: 720-59397Instrument ID:HP12Preparation:5035Prep Batch: 720-59492Lab File ID:10130915.DDilution:1.0Initial Weight/Volume:6.246 g

Date Analyzed: 10/13/2009 1543 Final Weight/Volume: 10 mL

Analyte DryWt Corr	rected: N Result	(ug/Kg) Qualifier	RL
N-Propylbenzene	ND		4.0
Styrene	ND		4.0
1,1,1,2-Tetrachloroethane	ND		4.0
1,1,2,2-Tetrachloroethane	ND		4.0
Tetrachloroethene	ND		4.0
Toluene	ND		4.0
1,2,3-Trichlorobenzene	ND		4.0
1,2,4-Trichlorobenzene	ND		4.0
1,1,1-Trichloroethane	ND		4.0
1,1,2-Trichloroethane	ND		4.0
Trichloroethene	ND		4.0
Trichlorofluoromethane	ND		4.0
1,2,3-Trichloropropane	ND		4.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0
1,2,4-Trimethylbenzene	ND		4.0
1,3,5-Trimethylbenzene	ND		4.0
Vinyl acetate	ND		40
Vinyl chloride	ND		4.0
Xylenes, Total	ND		8.0
2,2-Dichloropropane	ND		4.0
Gasoline Range Organics (GRO)-C5-C12	ND		200
TBA	ND		4.0
DIPE	ND		4.0
TAME	ND		4.0
Ethyl t-butyl ether	ND		4.0
Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	67		52 - 140
1,2-Dichloroethane-d4 (Surr)	124		60 - 140
Toluene-d8 (Surr)	92		58 - 140

Client Sample ID: MW2-10'

 Lab Sample ID:
 720-23080-13
 Date Sampled: 10/04/2009 1255

 Client Matrix:
 Solid
 Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: Analysis Batch: 720-59397 HP12 8260B Instrument ID: Preparation: 5035 Prep Batch: 720-59492 Lab File ID: 10130916.D Dilution: 1.0 Initial Weight/Volume: 5.986 g Date Analyzed: 10/13/2009 1616 Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.2
Acetone		ND		42
Benzene		ND		4.2
Dichlorobromomethane		ND		4.2
Bromobenzene		ND		4.2
Chlorobromomethane		ND		17
Bromoform		ND		4.2
Bromomethane		ND		8.4
2-Butanone (MEK)		ND		42
n-Butylbenzene		ND		4.2
sec-Butylbenzene		ND		4.2
tert-Butylbenzene		ND		4.2
Carbon disulfide		ND		4.2
Carbon tetrachloride		ND		4.2
Chlorobenzene		ND		4.2
Chloroethane		ND		8.4
Chloroform		ND		4.2
Chloromethane		ND		8.4
2-Chlorotoluene		ND		4.2
4-Chlorotoluene		ND		4.2
Chlorodibromomethane		ND		4.2
1,2-Dichlorobenzene		ND		4.2
1,3-Dichlorobenzene		ND		4.2
1,4-Dichlorobenzene		ND		4.2
1,3-Dichloropropane		ND		4.2
1,1-Dichloropropene		ND		4.2
1,2-Dibromo-3-Chloropropane	•	ND		4.2
Ethylene Dibromide		ND		4.2
Dibromomethane		ND		8.4
Dichlorodifluoromethane		ND		8.4
1,1-Dichloroethane		ND		4.2
1,2-Dichloroethane		ND		4.2
1,1-Dichloroethene		ND		4.2
cis-1,2-Dichloroethene		ND		4.2
trans-1,2-Dichloroethene		ND		4.2
1,2-Dichloropropane		ND		4.2
		ND		
cis-1,3-Dichloropropene				4.2
trans-1,3-Dichloropropene		ND		4.2
Ethylbenzene		ND		4.2
Hexachlorobutadiene		ND		4.2
2-Hexanone		ND		42
Isopropylbenzene		ND		4.2
4-Isopropyltoluene		ND		4.2
Methylene Chloride		ND		8.4
4-Methyl-2-pentanone (MIBK)		ND		42
Naphthalene		ND		8.4

10 mL

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: MW2-10'

Lab Sample ID: 720-23080-13 Date Sampled: 10/04/2009 1255

Client Matrix: Solid Date Received: 10/06/2009 1834

Final Weight/Volume:

8260B Volatile Organic Compounds (GC/MS)

Method: Analysis Batch: 720-59397 Instrument ID: HP12 8260B Preparation: 5035 Prep Batch: 720-59492 Lab File ID: 10130916.D Dilution: 5.986 g 1.0 Initial Weight/Volume:

Date Analyzed: 10/13/2009 1616

10/13/2009 0800 Date Prepared:

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene	•	ND		4.2
Styrene		ND		4.2
1,1,1,2-Tetrachloroethane		ND		4.2
1,1,2,2-Tetrachloroethane		ND		4.2
Tetrachloroethene		ND		4.2
Toluene		ND		4.2
1,2,3-Trichlorobenzene		ND		4.2
1,2,4-Trichlorobenzene		ND		4.2
1,1,1-Trichloroethane		ND		4.2
1,1,2-Trichloroethane		ND		4.2
Trichloroethene		ND		4.2
Trichlorofluoromethane		ND		4.2
1,2,3-Trichloropropane		ND		4.2
1,1,2-Trichloro-1,2,2-trifluo	proethane	ND		4.2
1,2,4-Trimethylbenzene		ND		4.2
1,3,5-Trimethylbenzene		ND		4.2
Vinyl acetate		ND		42
Vinyl chloride		ND		4.2
Xylenes, Total		ND		8.4
2,2-Dichloropropane		ND		4.2
Gasoline Range Organics	(GRO)-C5-C12	ND		210
TBA		ND		4.2
DIPE		ND		4.2
TAME		ND		4.2
Ethyl t-butyl ether		ND		4.2
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene		97		52 - 140
1,2-Dichloroethane-d4 (Su	ırr)	130		60 - 140
Toluene-d8 (Surr)		98		58 - 140

Client Sample ID: MW2-15'

 Lab Sample ID:
 720-23080-14
 Date Sampled: 10/04/2009 1329

 Client Matrix:
 Solid
 Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: Analysis Batch: 720-59397 HP12 8260B Instrument ID: Preparation: 5035 Prep Batch: 720-59492 Lab File ID: 10130917.D Dilution: 1.0 Initial Weight/Volume: 6.46 g Date Analyzed: 10/13/2009 1649 Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		3.9
Acetone		ND		39
Benzene		ND		3.9
Dichlorobromomethane		ND		3.9
Bromobenzene		ND		3.9
Chlorobromomethane		ND		15
Bromoform		ND		3.9
Bromomethane		ND		7.7
2-Butanone (MEK)		ND		39
n-Butylbenzene		ND		3.9
sec-Butylbenzene		ND		3.9
tert-Butylbenzene		ND		3.9
Carbon disulfide		ND		3.9
Carbon tetrachloride		ND		3.9
Chlorobenzene		ND		3.9
Chloroethane		ND		7.7
Chloroform		ND		3.9
Chloromethane		ND		7.7
2-Chlorotoluene		ND		3.9
4-Chlorotoluene		ND		3.9
Chlorodibromomethane		ND		3.9
1,2-Dichlorobenzene		ND		3.9
1,3-Dichlorobenzene		ND		3.9
1,4-Dichlorobenzene		ND		3.9
1,3-Dichloropropane		ND		3.9
1,1-Dichloropropene		ND		3.9
1,2-Dibromo-3-Chloropropane	1	ND		3.9
Ethylene Dibromide	,	ND		3.9
Dibromomethane		ND		7.7
Dichlorodifluoromethane		ND		7.7
1,1-Dichloroethane		ND		3.9
1,2-Dichloroethane		ND		3.9
1,1-Dichloroethene		ND		3.9
cis-1,2-Dichloroethene		ND		3.9
trans-1,2-Dichloroethene		ND		3.9
1,2-Dichloropropane		ND		3.9
cis-1,3-Dichloropropene		ND		3.9
trans-1,3-Dichloropropene		ND		3.9
Ethylbenzene		ND		3.9
Hexachlorobutadiene		ND		3.9
2-Hexanone		ND		39
Isopropylbenzene		ND		3.9
4-Isopropyltoluene		ND ND		3.9
Methylene Chloride		ND ND		5.9 7.7
4-Methyl-2-pentanone (MIBK)		ND ND		7.7 39
Naphthalene		ND		7.7

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: MW2-15'

Lab Sample ID: 720-23080-14 Date Sampled: 10/04/2009 1329

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

 Method:
 8260B
 Analysis Batch: 720-59397
 Instrument ID:
 HP12

 Preparation:
 5035
 Prep Batch: 720-59492
 Lab File ID:
 10130917.D

 Dilution:
 1.0
 Initial Weight/Volume:
 6.46
 g

Date Analyzed: 10/13/2009 1649 Final Weight/Volume: 10 mL

Analyte DryWt Correct	ted: N Result (ug/Kg)	Qualifier	RL
N-Propylbenzene	ND		3.9
Styrene	ND		3.9
1,1,1,2-Tetrachloroethane	ND		3.9
1,1,2,2-Tetrachloroethane	ND		3.9
Tetrachloroethene	ND		3.9
Toluene	ND		3.9
1,2,3-Trichlorobenzene	ND		3.9
1,2,4-Trichlorobenzene	ND		3.9
1,1,1-Trichloroethane	ND		3.9
1,1,2-Trichloroethane	ND		3.9
Trichloroethene	ND		3.9
Trichlorofluoromethane	ND		3.9
1,2,3-Trichloropropane	ND		3.9
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.9
1,2,4-Trimethylbenzene	ND		3.9
1,3,5-Trimethylbenzene	ND		3.9
Vinyl acetate	ND		39
Vinyl chloride	ND		3.9
Xylenes, Total	ND		7.7
2,2-Dichloropropane	ND		3.9
Gasoline Range Organics (GRO)-C5-C12	ND		190
TBA	ND		3.9
DIPE	ND		3.9
TAME	ND		3.9
Ethyl t-butyl ether	ND		3.9
Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	50	Χ	52 - 140
1,2-Dichloroethane-d4 (Surr)	120		60 - 140
Toluene-d8 (Surr)	85		58 - 140

Client Sample ID: B3-10'

Lab Sample ID: 720-23080-17 Date Sampled: 10/04/2009 0800

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-59302 HP12 Instrument ID: Preparation: 5030B Prep Batch: 720-59352 Lab File ID: 10100919.D Dilution: 1.0 Initial Weight/Volume: 5.03 g 10/10/2009 2059 Date Analyzed: Final Weight/Volume: 10 mL

Analyte DryWt Corrected:	N Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	73		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		9.9
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		9.9
Chloroform	ND		5.0
Chloromethane	ND		9.9
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND ND		5.0
Chlorodibromomethane	ND ND		5.0
1,2-Dichlorobenzene	ND ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		9.9
Dichlorodifluoromethane	ND		9.9
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND	*	5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50
sopropylbenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
	ND		9.9
Methylene Chloride	ND		9.9
Methylene Chloride 4-Methyl-2-pentanone (MIBK)	ND ND		50

10 mL

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B3-10'

Lab Sample ID: 720-23080-17 Date Sampled: 10/04/2009 0800

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:8260BAnalysis Batch: 720-59302Instrument ID:HP12Preparation:5030BPrep Batch: 720-59352Lab File ID:10100919.DDilution:1.0Initial Weight/Volume:5.03 g

Date Analyzed: 10/10/2009 2059 Final Weight/Volume:

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Toluene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroeth	ane	ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
Xylenes, Total		ND		9.9
2,2-Dichloropropane		ND		5.0
Gasoline Range Organics (GRO	D)-C5-C12	ND		250
TBA		ND		5.0
DIPE		ND		5.0
TAME		ND		5.0
Ethyl t-butyl ether		ND		5.0
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene		101		52 - 130
1,2-Dichloroethane-d4 (Surr)		114		67 - 132
Toluene-d8 (Surr)		101		58 - 130

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B4-10'

Lab Sample ID: 720-23080-18 Date Sampled: 10/04/2009 0645

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: Analysis Batch: 720-59302 HP12 8260B Instrument ID: Preparation: 5030B Prep Batch: 720-59352 Lab File ID: 10100920.D Dilution: 1.0 Initial Weight/Volume: 5.04 g 10/10/2009 2132 Final Weight/Volume: 10 mL

Date Analyzed: 10/10/2009 2132
Date Prepared: 10/10/2009 1000

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		ND		50
Benzene		ND		5.0
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		9.9
2-Butanone (MEK)		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		9.9
Chloroform		ND		5.0
Chloromethane		ND		9.9
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		9.9
Dichlorodifluoromethane		ND		9.9
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND	*	5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND ND		5.0
cis-1,3-Dichloropropene		ND ND		5.0
trans-1,3-Dichloropropene		ND ND		5.0
· · ·				
Ethylbenzene Hexachlorobutadiene		ND ND		5.0 5.0
2-Hexanone		ND ND		5.0 50
Isopropylbenzene				5.0
		ND ND		5.0 5.0
4-Isopropyltoluene		ND ND		
Methylene Chloride		ND ND		9.9
4-Methyl-2-pentanone (MIBK)		ND ND		50
Naphthalene		ND		9.9

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B4-10'

 Lab Sample ID:
 720-23080-18
 Date Sampled: 10/04/2009 0645

 Client Matrix:
 Solid
 Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-59302 Instrument ID: HP12 Preparation: 5030B Prep Batch: 720-59352 Lab File ID: 10100920.D Dilution: 1.0 Initial Weight/Volume: 5.04 g Date Analyzed: 10/10/2009 2132 Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Toluene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroe	ethane	ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
Xylenes, Total		ND		9.9
2,2-Dichloropropane		ND		5.0
Gasoline Range Organics (GI	RO)-C5-C12	ND		250
TBA		ND		5.0
DIPE		ND		5.0
TAME		ND		5.0
Ethyl t-butyl ether		ND		5.0
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene		101		52 - 130
1,2-Dichloroethane-d4 (Surr)		113		67 - 132
Toluene-d8 (Surr)		101		58 - 130

Client Sample ID: B5-10'

 Lab Sample ID:
 720-23080-20
 Date Sampled: 10/04/2009 0830

 Client Matrix:
 Solid
 Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-59302 HP12 Instrument ID: Preparation: 5030B Prep Batch: 720-59352 Lab File ID: 10100921.D Dilution: 1.0 Initial Weight/Volume: 5.96 g Date Analyzed: 10/10/2009 2206 Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.2
Acetone		ND		42
Benzene		ND		4.2
Dichlorobromomethane		ND		4.2
Bromobenzene		ND		4.2
Chlorobromomethane		ND		17
Bromoform		ND		4.2
Bromomethane		ND		8.4
2-Butanone (MEK)		ND		42
n-Butylbenzene		ND		4.2
sec-Butylbenzene		ND		4.2
tert-Butylbenzene		ND		4.2
Carbon disulfide		ND		4.2
Carbon tetrachloride		ND		4.2
Chlorobenzene		ND		4.2
Chloroethane		ND		8.4
Chloroform		ND		4.2
Chloromethane		ND		8.4
2-Chlorotoluene		ND		4.2
4-Chlorotoluene		ND		4.2
Chlorodibromomethane		ND		4.2
1,2-Dichlorobenzene		ND		4.2
1,3-Dichlorobenzene		ND		4.2
1,4-Dichlorobenzene		ND		4.2
1,3-Dichloropropane		ND		4.2
1,1-Dichloropropene		ND		4.2
1,2-Dibromo-3-Chloropropane		ND		4.2
Ethylene Dibromide	;	ND		4.2
Dibromomethane		ND		8.4
Dichlorodifluoromethane		ND ND		8.4
1,1-Dichloroethane		ND	*	4.2
1,2-Dichloroethane		ND		4.2
1,1-Dichloroethene		ND		4.2
cis-1,2-Dichloroethene		ND		4.2
trans-1,2-Dichloroethene		ND		4.2
1,2-Dichloropropane		ND		4.2
cis-1,3-Dichloropropene		ND		4.2
trans-1,3-Dichloropropene		ND		4.2
Ethylbenzene		ND		4.2
Hexachlorobutadiene		ND		4.2
2-Hexanone		ND		42
Isopropylbenzene		ND		4.2
4-Isopropyltoluene		ND		4.2
Methylene Chloride		ND		8.4
4-Methyl-2-pentanone (MIBK)		ND		42
Naphthalene		ND		8.4

10 mL

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B5-10'

Lab Sample ID: 720-23080-20 Date Sampled: 10/04/2009 0830

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:8260BAnalysis Batch: 720-59302Instrument ID:HP12Preparation:5030BPrep Batch: 720-59352Lab File ID:10100921.DDilution:1.0Initial Weight/Volume:5.96 g

Date Analyzed: 10/10/2009 2206 Final Weight/Volume:

	ryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.2
Styrene		ND		4.2
1,1,1,2-Tetrachloroethane		ND		4.2
1,1,2,2-Tetrachloroethane		ND		4.2
Tetrachloroethene		ND		4.2
Toluene		ND		4.2
1,2,3-Trichlorobenzene		ND		4.2
1,2,4-Trichlorobenzene		ND		4.2
1,1,1-Trichloroethane		ND		4.2
1,1,2-Trichloroethane		ND		4.2
Trichloroethene		ND		4.2
Trichlorofluoromethane		ND		4.2
1,2,3-Trichloropropane		ND		4.2
1,1,2-Trichloro-1,2,2-trifluoroetha	ne	ND		4.2
1,2,4-Trimethylbenzene		ND		4.2
1,3,5-Trimethylbenzene		ND		4.2
Vinyl acetate		ND		42
Vinyl chloride		ND		4.2
Xylenes, Total		ND		8.4
2,2-Dichloropropane		ND		4.2
Gasoline Range Organics (GRO)	-C5-C12	ND		210
TBA		ND		4.2
DIPE		ND		4.2
TAME		ND		4.2
Ethyl t-butyl ether		ND		4.2
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene		99		52 - 130
1,2-Dichloroethane-d4 (Surr)		109		67 - 132
Toluene-d8 (Surr)		101		58 - 130

Client Sample ID: B6-10'

Lab Sample ID: 720-23080-21 Date Sampled: 10/04/2009 0000
Client Matrix: Solid Date Received: 10/06/2009 1834

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: Analysis Batch: 720-59302 HP12 8260B Instrument ID: Preparation: 5030B Prep Batch: 720-59352 Lab File ID: 10100922.D Dilution: 1.0 Initial Weight/Volume: 5.19 g Date Analyzed: 10/10/2009 2238 Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.8
Acetone		ND		48
Benzene		ND		4.8
Dichlorobromomethane		ND		4.8
Bromobenzene		ND		4.8
Chlorobromomethane		ND		19
Bromoform		ND		4.8
Bromomethane		ND		9.6
2-Butanone (MEK)		ND		48
n-Butylbenzene		ND		4.8
sec-Butylbenzene		ND		4.8
tert-Butylbenzene		ND		4.8
Carbon disulfide		ND		4.8
Carbon tetrachloride		ND		4.8
Chlorobenzene		ND		4.8
Chloroethane		ND		9.6
Chloroform		ND		4.8
Chloromethane		ND		9.6
2-Chlorotoluene		ND		4.8
4-Chlorotoluene		ND		4.8
Chlorodibromomethane		ND		4.8
1,2-Dichlorobenzene		ND		4.8
1,3-Dichlorobenzene		ND		4.8
1,4-Dichlorobenzene		ND		4.8
1,3-Dichloropropane		ND		4.8
1,1-Dichloropropene		ND		4.8
1,2-Dibromo-3-Chloropropane		ND		4.8
Ethylene Dibromide		ND		4.8
Dibromomethane		ND		9.6
Dichlorodifluoromethane		ND		9.6
1,1-Dichloroethane		ND		4.8
1,2-Dichloroethane		ND	*	4.8
1,1-Dichloroethene		ND		4.8
cis-1,2-Dichloroethene		ND		4.8
trans-1,2-Dichloroethene		ND		4.8
1,2-Dichloropropane		ND ND		4.8
		ND ND		4.8
cis-1,3-Dichloropropene				
trans-1,3-Dichloropropene		ND ND		4.8
Ethylbenzene		ND ND		4.8
Hexachlorobutadiene		ND ND		4.8 48
2-Hexanone				
Isopropylbenzene		ND		4.8
4-Isopropyltoluene		ND		4.8
Methylene Chloride		ND		9.6
4-Methyl-2-pentanone (MIBK)		ND		48
Naphthalene		ND		9.6

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B6-10'

Lab Sample ID: 720-23080-21 Date Sampled: 10/04/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:8260BAnalysis Batch: 720-59302Instrument ID:HP12Preparation:5030BPrep Batch: 720-59352Lab File ID:10100922.DDilution:1.0Initial Weight/Volume:5.19 g

Date Analyzed: 10/10/2009 2238 Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.8
Styrene		ND		4.8
1,1,1,2-Tetrachloroethane		ND		4.8
1,1,2,2-Tetrachloroethane		ND		4.8
Tetrachloroethene		ND		4.8
Toluene		ND		4.8
1,2,3-Trichlorobenzene		ND		4.8
1,2,4-Trichlorobenzene		ND		4.8
1,1,1-Trichloroethane		ND		4.8
1,1,2-Trichloroethane		ND		4.8
Trichloroethene		ND		4.8
Trichlorofluoromethane		ND		4.8
1,2,3-Trichloropropane		ND		4.8
1,1,2-Trichloro-1,2,2-trifluoroeth	ane	ND		4.8
1,2,4-Trimethylbenzene		ND		4.8
1,3,5-Trimethylbenzene		ND		4.8
Vinyl acetate		ND		48
Vinyl chloride		ND		4.8
Xylenes, Total		ND		9.6
2,2-Dichloropropane		ND		4.8
Gasoline Range Organics (GRO))-C5-C12	ND		240
TBA		ND		4.8
DIPE		ND		4.8
TAME		ND		4.8
Ethyl t-butyl ether		ND		4.8
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene		97		52 - 130
1,2-Dichloroethane-d4 (Surr)		110		67 - 132
Toluene-d8 (Surr)		100		58 - 130

Job Number: 720-23080-1 Client: Sigma Engineering, Inc.

Client Sample ID: B7-10'

Lab Sample ID: 720-23080-23 Date Sampled: 10/06/2009 0905

Client Matrix: Date Received: 10/06/2009 1834 Solid

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-59384 Instrument ID: HP12 Preparation: 5030B Prep Batch: 720-59432 Lab File ID: 10120931.D Dilution: 5.38 g 1.0 Initial Weight/Volume: Final Weight/Volume: 10 mL

10/13/2009 0212 Date Analyzed:

10/12/2009 0800 Date Prepared:

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.6
Acetone		ND		46
Benzene		ND		4.6
Dichlorobromomethane		ND		4.6
Bromobenzene		ND		4.6
Chlorobromomethane		ND		19
Bromoform		ND		4.6
Bromomethane		ND		9.3
2-Butanone (MEK)		ND		46
n-Butylbenzene		ND		4.6
sec-Butylbenzene		ND		4.6
tert-Butylbenzene		ND		4.6
Carbon disulfide		ND		4.6
Carbon tetrachloride		ND		4.6
Chlorobenzene		ND ND		
				4.6
Chloroethane		ND		9.3
Chloroform		ND		4.6
Chloromethane		ND		9.3
2-Chlorotoluene		ND		4.6
4-Chlorotoluene		ND		4.6
Chlorodibromomethane		ND		4.6
1,2-Dichlorobenzene		ND		4.6
1,3-Dichlorobenzene		ND		4.6
1,4-Dichlorobenzene		ND		4.6
1,3-Dichloropropane		ND		4.6
1,1-Dichloropropene		ND		4.6
1,2-Dibromo-3-Chloropropane)	ND		4.6
Ethylene Dibromide		ND		4.6
Dibromomethane		ND		9.3
Dichlorodifluoromethane		ND		9.3
1,1-Dichloroethane		ND		4.6
1,2-Dichloroethane		ND		4.6
1,1-Dichloroethene		ND		4.6
cis-1,2-Dichloroethene		ND		4.6
trans-1,2-Dichloroethene		ND		4.6
1,2-Dichloropropane		ND		4.6
cis-1,3-Dichloropropene		ND		4.6
trans-1,3-Dichloropropene		ND		4.6
Ethylbenzene		ND		4.6
Hexachlorobutadiene		ND ND		4.6
2-Hexanone		ND ND		4.6
Isopropylbenzene		ND		4.6
4-Isopropyltoluene		ND		4.6
Methylene Chloride		ND		9.3
4-Methyl-2-pentanone (MIBK)		ND		46
Naphthalene		ND		9.3

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B7-10'

Lab Sample ID: 720-23080-23 Date Sampled: 10/06/2009 0905

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method:8260BAnalysis Batch: 720-59384Instrument ID:HP12Preparation:5030BPrep Batch: 720-59432Lab File ID:10120931.DDilution:1.0Initial Weight/Volume:5.38 g

Date Analyzed: 10/13/2009 0212 Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.6
Styrene		ND		4.6
1,1,1,2-Tetrachloroethane		ND		4.6
1,1,2,2-Tetrachloroethane		ND		4.6
Tetrachloroethene		ND		4.6
Toluene		ND		4.6
1,2,3-Trichlorobenzene		ND		4.6
1,2,4-Trichlorobenzene		ND		4.6
1,1,1-Trichloroethane		ND		4.6
1,1,2-Trichloroethane		ND		4.6
Trichloroethene		ND		4.6
Trichlorofluoromethane		ND		4.6
1,2,3-Trichloropropane		ND		4.6
1,1,2-Trichloro-1,2,2-trifluoro	oethane	ND		4.6
1,2,4-Trimethylbenzene		ND		4.6
1,3,5-Trimethylbenzene		ND		4.6
Vinyl acetate		ND		46
Vinyl chloride		ND		4.6
Xylenes, Total		ND		9.3
2,2-Dichloropropane		ND		4.6
Gasoline Range Organics (C	GRO)-C5-C12	ND		230
TBA		ND		4.6
DIPE		ND		4.6
TAME		ND		4.6
Ethyl t-butyl ether		ND		4.6
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene		97		52 - 140
1,2-Dichloroethane-d4 (Surr)	112		60 - 140
Toluene-d8 (Surr)		99		58 - 140

Client Sample ID: B8-10'

 Lab Sample ID:
 720-23080-24
 Date Sampled: 10/06/2009 0715

 Client Matrix:
 Solid
 Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-59384 HP12 Instrument ID: Preparation: 5030B Prep Batch: 720-59432 Lab File ID: 10120927.D Dilution: 1.0 Initial Weight/Volume: 5.34 g Date Analyzed: 10/12/2009 2359 Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.7
Acetone		ND		47
Benzene		ND		4.7
Dichlorobromomethane		ND		4.7
Bromobenzene		ND		4.7
Chlorobromomethane		ND		19
Bromoform		ND		4.7
Bromomethane		ND		9.4
2-Butanone (MEK)		59		47
n-Butylbenzene		ND		4.7
sec-Butylbenzene		ND		4.7
tert-Butylbenzene		ND		4.7
Carbon disulfide		ND		4.7
Carbon tetrachloride		ND		4.7
Chlorobenzene		ND		4.7
Chloroethane		ND		9.4
Chloroform		ND		4.7
Chloromethane		ND		9.4
2-Chlorotoluene		ND		4.7
4-Chlorotoluene		ND		4.7
Chlorodibromomethane		ND		4.7
1,2-Dichlorobenzene		ND		4.7
1,3-Dichlorobenzene		ND		4.7
1,4-Dichlorobenzene		ND		4.7
1,3-Dichloropropane		ND		4.7
1,1-Dichloropropene		ND		4.7
1,2-Dibromo-3-Chloropropane		ND		4.7
Ethylene Dibromide	•	ND		4.7
Dibromomethane		ND		9.4
Dichlorodifluoromethane		ND		9.4
1,1-Dichloroethane		ND		4.7
1,2-Dichloroethane		ND		4.7
1,1-Dichloroethene		ND		4.7
cis-1,2-Dichloroethene		ND		4.7
trans-1,2-Dichloroethene		ND		4.7
1,2-Dichloropropane		ND ND		4.7
		ND		4.7
cis-1,3-Dichloropropene		ND ND		4.7 4.7
trans-1,3-Dichloropropene				
Ethylbenzene		ND ND		4.7
Hexachlorobutadiene		ND ND		4.7
2-Hexanone		ND		47
Isopropylbenzene		ND		4.7
4-Isopropyltoluene		ND		4.7
Methylene Chloride		ND		9.4
4-Methyl-2-pentanone (MIBK)		ND		47
Naphthalene		ND		9.4

Job Number: 720-23080-1 Client: Sigma Engineering, Inc.

Client Sample ID: B8-10'

Lab Sample ID: 720-23080-24 Date Sampled: 10/06/2009 0715

Client Matrix: Solid Date Received: 10/06/2009 1834

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-59384 Instrument ID: HP12 Preparation: 5030B Prep Batch: 720-59432 Lab File ID: 10120927.D Dilution: 1.0 Initial Weight/Volume: 5.34 g

Date Analyzed: 10/12/2009 2359 Final Weight/Volume: 10 mL

10/12/2009 0800 Date Prepared:

Analyte DryWt C	Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		4.7
Styrene		ND		4.7
1,1,1,2-Tetrachloroethane		ND		4.7
1,1,2,2-Tetrachloroethane		ND		4.7
Tetrachloroethene		ND		4.7
Toluene		ND		4.7
1,2,3-Trichlorobenzene		ND		4.7
1,2,4-Trichlorobenzene		ND		4.7
1,1,1-Trichloroethane		ND		4.7
1,1,2-Trichloroethane		ND		4.7
Trichloroethene		ND		4.7
Trichlorofluoromethane		ND		4.7
1,2,3-Trichloropropane		ND		4.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.7
1,2,4-Trimethylbenzene		ND		4.7
1,3,5-Trimethylbenzene		ND		4.7
Vinyl acetate		ND		47
Vinyl chloride		ND		4.7
Xylenes, Total		ND		9.4
2,2-Dichloropropane		ND		4.7
Gasoline Range Organics (GRO)-C5-C7	12	ND		230
TBA		ND		4.7
DIPE		ND		4.7
TAME		ND		4.7
Ethyl t-butyl ether		ND		4.7
Surrogate		%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene		103		52 - 140
1,2-Dichloroethane-d4 (Surr)		120		60 - 140
Toluene-d8 (Surr)		101		58 - 140

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B1-10'

Lab Sample ID: 720-23080-1 Date Sampled: 10/05/2009 0715

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:8015BAnalysis Batch: 720-59305Instrument ID:CHDRO6Preparation:3550BPrep Batch: 720-59312Initial Weight/Volume:30.26 g

Preparation: 3550B Prep Batch: 720-59312 Initial Weight/Volume: 30.26 g

Dilution: 1.0 Final Weight/Volume: 5 mL

 Date Analyzed:
 10/10/2009 1712
 Injection Volume:
 1 uL

 Date Prepared:
 10/10/2009 0854
 Result Type:
 PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL

Diesel Range Organics [C10-C28] ND 0.99

Motor Oil Range Organics [C24-C36] ND 50

Surrogate %Rec Qualifier Acceptance Limits

p-Terphenyl 76 31 - 114

CHDRO5

30.04 g

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B1-22'

Lab Sample ID: 720-23080-4 Date Sampled: 10/05/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:8015BAnalysis Batch: 720-59307Instrument ID:Preparation:3550BPrep Batch: 720-59273Initial Weight/Volume:

 Dilution:
 1.0
 Final Weight/Volume:
 5 mL

 Date Analyzed:
 10/10/2009 1156
 Injection Volume:
 1 uL

 Date Prepared:
 10/09/2009 1224
 Result Type:
 PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL
Diesel Range Organics [C10-C28] 3.3 1.0
Motor Oil Range Organics [C24-C36] ND 50

Surrogate%RecQualifierAcceptance Limitsp-Terphenyl8631 - 114

CHDRO5

30.30 g

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B2-10'

Lab Sample ID: 720-23080-5 Date Sampled: 10/05/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B Analysis Batch: 720-59307 Instrument ID: Preparation: 3550B Prep Batch: 720-59273 Initial Weight/Volume:

Final Weight/Volume: Dilution: 1.0 5 mL Date Analyzed: 10/10/2009 1223 Injection Volume: 1 uL

Date Prepared: 10/09/2009 1224 Result Type: **PRIMARY**

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL Diesel Range Organics [C10-C28] ND 0.99 Motor Oil Range Organics [C24-C36] ND 50

Surrogate %Rec Qualifier Acceptance Limits

p-Terphenyl 87 31 - 114

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B2-23'

Lab Sample ID: 720-23080-6 Date Sampled: 10/05/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:8015BAnalysis Batch: 720-59307Instrument ID:CHDRO5Preparation:3550BPrep Batch: 720-59273Initial Weight/Volume:30.12 g

Dilution: 1.0 Final Weight/Volume: 5 mL
Date Analyzed: 10/10/2009 1249 Injection Volume: 1 uL

Date Analyzed: 10/10/2009 1249 Injection Volume: 1 uL

Date Prepared: 10/09/2009 1224 Result Type: PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL
Diesel Range Organics [C10-C28] 35 1.0
Motor Oil Range Organics [C24-C36] ND 50

Surrogate %Rec Qualifier Acceptance Limits

p-Terphenyl 90 31 - 114

CHDRO5

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: MW4-10'

Lab Sample ID: 720-23080-7 Date Sampled: 10/05/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:8015BAnalysis Batch: 720-59307Instrument ID:Preparation:3550BPrep Batch: 720-59273Initial Weight/Volume:

Preparation: 3550B Prep Batch: 720-59273 Initial Weight/Volume: 30.34 g
Dilution: 1.0 Final Weight/Volume: 5 mL

 Date Analyzed:
 10/10/2009 2147
 Injection Volume:
 1 uL

 Date Prepared:
 10/09/2009 1451
 Result Type:
 PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL

Diesel Range Organics [C10-C28] ND 0.99

Motor Oil Range Organics [C24-C36] ND 49

Surrogate %Rec Qualifier Acceptance Limits
p-Terphenyl 85 31 - 114

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: MW4-15'

Lab Sample ID: 720-23080-8 Date Sampled: 10/05/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:8015BAnalysis Batch: 720-59307Instrument ID:CHDRO5Preparation:3550BPrep Batch: 720-59273Initial Weight/Volume:30.28 g

Dilution: 1.0 Final Weight/Volume: 5 mL
Date Analyzed: 10/10/2009 2214 Injection Volume: 1 uL

Date Analyzed: 10/10/2009 2214 Injection Volume: 1 uL

Date Prepared: 10/09/2009 1451 Result Type: PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL

Diesel Range Organics [C10-C28] ND 0.99

Motor Oil Range Organics [C24-C36] ND 50

Surrogate %Rec Qualifier Acceptance Limits

p-Terphenyl 84 31 - 114

CHDRO6

30.39 g

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: MW3-10'

Lab Sample ID: 720-23080-10 Date Sampled: 10/05/2009 1430

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:8015BAnalysis Batch: 720-59305Instrument ID:Preparation:3550BPrep Batch: 720-59312Initial Weight/Volume:

 Dilution:
 1.0
 Final Weight/Volume:
 5 mL

 Date Analyzed:
 10/10/2009 1733
 Injection Volume:
 1 uL

 Date Prepared:
 10/10/2009 0854
 Result Type:
 PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL

Diesel Range Organics [C10-C28] 2.0 0.99

Motor Oil Range Organics [C24-C36] ND 49

Surrogate %Rec Qualifier Acceptance Limits
p-Terphenyl 82 31 - 114

CHDRO5

30.05 g

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: MW3-15'

Lab Sample ID: 720-23080-11 Date Sampled: 10/05/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B Analysis Batch: 720-59307 Instrument ID: Preparation: 3550B Prep Batch: 720-59273 Initial Weight/Volume:

Final Weight/Volume: Dilution: 1.0 5 mL Date Analyzed: 10/10/2009 2241 Injection Volume: 1 uL Date Prepared: 10/09/2009 1451 Result Type: **PRIMARY**

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL Diesel Range Organics [C10-C28] 15 1.0 Motor Oil Range Organics [C24-C36] ND 50

Surrogate %Rec Qualifier Acceptance Limits p-Terphenyl 84 31 - 114

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: MW2-10'

Lab Sample ID: 720-23080-13 Date Sampled: 10/04/2009 1255

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:8015BAnalysis Batch: 720-59305Instrument ID:CHDRO6Preparation:3550BPrep Batch: 720-59312Initial Weight/Volume:30.11 g

Dilution: 1.0 Final Weight/Volume: 5 mL

Date Analyzed: 10/10/2009 1755 Injection Volume: 1 uL

 Date Analyzed:
 10/10/2009 1755
 Injection Volume:
 1 uL

 Date Prepared:
 10/10/2009 0854
 Result Type:
 PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL

Diesel Range Organics [C10-C28] ND 1.0

Motor Oil Range Organics [C24-C36] ND 50

Surrogate %Rec Qualifier Acceptance Limits

p-Terphenyl 63 31 - 114

CHDRO6

30.31 g

Instrument ID:

Initial Weight/Volume:

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: MW2-15'

Lab Sample ID: 720-23080-14 Date Sampled: 10/04/2009 1329

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

 Method:
 8015B
 Analysis Batch: 720-59305

 Preparation:
 3550B
 Prep Batch: 720-59312

 Dilution:
 1.0
 Final Weight/Volume:
 5 mL

 Date Analyzed:
 10/10/2009 1817
 Injection Volume:
 1 uL

 Date Prepared:
 10/10/2009 0854
 Result Type:
 PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL

Diesel Range Organics [C10-C28] 7.8 0.99

Motor Oil Range Organics [C24-C36] ND 49

Surrogate%RecQualifierAcceptance Limitsp-Terphenyl8131 - 114

CHDRO6

30.42 g

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B3-10'

Lab Sample ID: 720-23080-17 Date Sampled: 10/04/2009 0800

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:8015BAnalysis Batch: 720-59305Instrument ID:Preparation:3550BPrep Batch: 720-59312Initial Weight/Volume:

Dilution: 1.0 Final Weight/Volume: 5 mL
Date Analyzed: 10/10/2009 1838 Injection Volume: 1 uL

 Date Analyzed:
 10/10/2009 1838
 Injection Volume:
 1 uL

 Date Prepared:
 10/10/2009 0854
 Result Type:
 PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL

Diesel Range Organics [C10-C28] ND 0.99

Motor Oil Range Organics [C24-C36] ND 49

Surrogate %Rec Qualifier Acceptance Limits

p-Terphenyl 79 31 - 114

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B4-10'

Lab Sample ID: 720-23080-18 Date Sampled: 10/04/2009 0645

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:8015BAnalysis Batch: 720-59305Instrument ID:CHDRO6Preparation:3550BPrep Batch: 720-59312Initial Weight/Volume:30.07 g

Preparation: 3550B Prep Batch: 720-59312 Initial Weight/Volume: 30.07 g

Dilution: 1.0 Final Weight/Volume: 5 mL

 Date Analyzed:
 10/10/2009 1900
 Injection Volume:
 1 uL

 Date Prepared:
 10/10/2009 0854
 Result Type:
 PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL
Diesel Range Organics [C10-C28] ND 1.0
Motor Oil Range Organics [C24-C36] ND 50

Surrogate %Rec Qualifier Acceptance Limits

p-Terphenyl 73 31 - 114

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B5-10'

Lab Sample ID: 720-23080-20 Date Sampled: 10/04/2009 0830

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:8015BAnalysis Batch: 720-59305Instrument ID:CHDRO6Preparation:3550BPrep Batch: 720-59312Initial Weight/Volume:30.21 g

Dilution: 1.0 Final Weight/Volume: 5 mL

Date Analyzed: 10/10/2009 1922 Injection Volume: 1 uL

 Date Analyzed:
 10/10/2009 1922
 Injection Volume:
 1 uL

 Date Prepared:
 10/10/2009 0854
 Result Type:
 PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL
Diesel Range Organics [C10-C28] ND 0.99
Motor Oil Range Organics [C24-C36] ND 50

Surrogate %Rec Qualifier Acceptance Limits

p-Terphenyl 79 31 - 114

CHDRO6

30.21 g

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B6-10'

Lab Sample ID: 720-23080-21 Date Sampled: 10/04/2009 0000

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B Analysis Batch: 720-59305 Instrument ID: Preparation: 3550B Prep Batch: 720-59312 Initial Weight/Volume:

Final Weight/Volume: Dilution: 1.0 5 mL Date Analyzed: 10/10/2009 1943 Injection Volume: 1 uL Date Prepared: 10/10/2009 0854 Result Type: **PRIMARY**

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL Diesel Range Organics [C10-C28] ND 0.99 Motor Oil Range Organics [C24-C36] ND 50

Surrogate %Rec Qualifier Acceptance Limits

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B7-10'

Lab Sample ID: 720-23080-23 Date Sampled: 10/06/2009 0905

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method:8015BAnalysis Batch: 720-59305Instrument ID:CHDRO6Preparation:3550BPrep Batch: 720-59312Initial Weight/Volume:30.05 g

Preparation:3550BPrep Batch: 720-59312Initial Weight/Volume:30.05 gDilution:1.0Final Weight/Volume:5 mL

 Date Analyzed:
 10/10/2009 2005
 Injection Volume:
 1 uL

 Date Prepared:
 10/10/2009 0854
 Result Type:
 PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL
Diesel Range Organics [C10-C28] ND 1.0
Motor Oil Range Organics [C24-C36] ND 50

Surrogate %Rec Qualifier Acceptance Limits

p-Terphenyl 78 31 - 114

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Client Sample ID: B8-10'

Lab Sample ID: 720-23080-24 Date Sampled: 10/06/2009 0715

Client Matrix: Solid Date Received: 10/06/2009 1834

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B Analysis Batch: 720-59305 CHDRO6 Instrument ID: Preparation: 3550B Prep Batch: 720-59312 Initial Weight/Volume: 30.29 g

Final Weight/Volume: Dilution: 1.0 5 mL 10/10/2009 2027 Injection Volume: 1 uL

Date Analyzed: 10/10/2009 0907 Date Prepared: Result Type: **PRIMARY**

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL Diesel Range Organics [C10-C28] 1.5 0.99 Motor Oil Range Organics [C24-C36] ND 50

Surrogate %Rec Qualifier Acceptance Limits

p-Terphenyl 86 31 - 114

DATA REPORTING QUALIFIERS

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
	Χ	Surrogate exceeds the control limits

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA	Chefit Sample ID	240.0	CHETT MALTIX	Metriou	Frep Batch
	20				
Analysis Batch:720-5930 LCS 720-59352/2-A	Lab Control Sample	Т	Solid	8260B	720-59352
LCS 720-59352/2-A LCS 720-59352/4-A	Lab Control Sample	T T	Solid	8260B	720-59352
LCS 720-59352/4-A LCSD 720-59352/3-A	Lab Control Sample Duplicate	T T	Solid	8260B	720-59352
LCSD 720-59352/5-A LCSD 720-59352/5-A	Lab Control Sample Duplicate	T T	Solid	8260B	720-59352
MB 720-59352/6-A	Method Blank	T T	Solid	8260B	720-59352
720-23080-1	B1-10'	T	Solid	8260B	720-59352
		T T	Solid	8260B	
720-23080-1MS	Matrix Spike	T			720-59352
720-23080-1MSD	Matrix Spike Duplicate		Solid	8260B	720-59352
720-23080-4	B1-22'	T	Solid	8260B	720-59352
720-23080-5	B2-10'	T	Solid	8260B	720-59352
720-23080-17	B3-10'	T	Solid	8260B	720-59352
720-23080-18	B4-10'	T 	Solid	8260B	720-59352
720-23080-20	B5-10'	T 	Solid	8260B	720-59352
720-23080-21	B6-10'	Т	Solid	8260B	720-59352
Prep Batch: 720-59352					
LCS 720-59352/2-A	Lab Control Sample	Т	Solid	5030B	
LCS 720-59352/4-A	Lab Control Sample	Т	Solid	5030B	
LCSD 720-59352/3-A	Lab Control Sample Duplicate	Т	Solid	5030B	
LCSD 720-59352/5-A	Lab Control Sample Duplicate	Т	Solid	5030B	
MB 720-59352/6-A	Method Blank	Т	Solid	5030B	
720-23080-1	B1-10'	Т	Solid	5030B	
720-23080-1MS	Matrix Spike	Т	Solid	5030B	
720-23080-1MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-23080-4	B1-22'	T.	Solid	5030B	
720-23080-5	B2-10'	T.	Solid	5030B	
720-23080-17	B3-10'	T	Solid	5030B	
720-23080-18	B4-10'	T.	Solid	5030B	
720-23080-20	B5-10'	T	Solid	5030B	
720-23080-21	B6-10'	Ť	Solid	5030B	
Analysis Ratch:720 5020	24				
Analysis Batch:720-5938 LCS 720-59432/1-A	Lab Control Sample	Т	Solid	8260B	720-59432
LCS 720-59432/1-A LCS 720-59432/4-A	Lab Control Sample	T	Solid	8260B	720-59432
LCS 720-59432/4-A LCSD 720-59432/2-A	•	T	Solid	8260B	
	Lab Control Sample Duplicate				720-59432
LCSD 720-59432/5-A	Lab Control Sample Duplicate	T	Solid	8260B	720-59432
MB 720-59432/3-A	Method Blank	T	Solid	8260B	720-59432
720-23080-6	B2-23'	T	Solid	8260B	720-59432
720-23080-23	B7-10'	T	Solid	8260B	720-59432
720-23080-24	B8-10'	T -	Solid	8260B	720-59432
720-23080-24MS	Matrix Spike	T _	Solid	8260B	720-59432
720-23080-24MSD	Matrix Spike Duplicate	Т	Solid	8260B	720-59432

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<u> </u>	Chefit Gample ID	240.0	Cheffit Matrix	Wethou	Fieb Batch
GC/MS VOA					
Analysis Batch:720-5939					
LCS 720-59492/4-A	Lab Control Sample	Т	Solid	8260B	720-59492
LCSD 720-59492/5-A	Lab Control Sample Duplicate	Т	Solid	8260B	720-59492
MB 720-59492/1-A	Method Blank	Т	Solid	8260B	720-59492
720-23080-7	MW4-10'	Т	Solid	8260B	720-59492
720-23080-8	MW4-15'	Т	Solid	8260B	720-59492
720-23080-10	MW3-10'	T	Solid	8260B	720-59492
720-23080-11	MW3-15'	T	Solid	8260B	720-59492
720-23080-13	MW2-10'	Т	Solid	8260B	720-59492
720-23080-14	MW2-15'	Т	Solid	8260B	720-59492
Prep Batch: 720-59432					
LCS 720-59432/1-A	Lab Control Sample	Т	Solid	5030B	
LCS 720-59432/4-A	Lab Control Sample	Т	Solid	5030B	
LCSD 720-59432/2-A	Lab Control Sample Duplicate	Т	Solid	5030B	
LCSD 720-59432/5-A	Lab Control Sample Duplicate	Т	Solid	5030B	
MB 720-59432/3-A	Method Blank	Т	Solid	5030B	
720-23080-6	B2-23'	Т	Solid	5030B	
720-23080-23	B7-10'	Т	Solid	5030B	
720-23080-24	B8-10'	Т	Solid	5030B	
720-23080-24MS	Matrix Spike	Т	Solid	5030B	
720-23080-24MSD	Matrix Spike Duplicate	Т	Solid	5030B	
Prep Batch: 720-59492					
LCS 720-59492/4-A	Lab Control Sample	Т	Solid	5035	
LCSD 720-59492/5-A	Lab Control Sample Duplicate	Т	Solid	5035	
MB 720-59492/1-A	Method Blank	Т	Solid	5035	
720-23080-7	MW4-10'	Т	Solid	5035	
720-23080-8	MW4-15'	Т	Solid	5035	
720-23080-10	MW3-10'	Т	Solid	5035	
720-23080-11	MW3-15'	Т	Solid	5035	
720-23080-13	MW2-10'	T T	Solid	5035	
720-23080-14	MW2-15'	T	Solid	5035	

Report Basis

T = Total

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA	•				•
Prep Batch: 720-59273					
LCS 720-59273/2-A	Lab Control Sample	Т	Solid	3550B	
LCSD 720-59273/3-A	Lab Control Sample Duplicate	Т	Solid	3550B	
MB 720-59273/1-A	Method Blank	Т	Solid	3550B	
720-23080-4	B1-22'	Т	Solid	3550B	
720-23080-5	B2-10'	Т	Solid	3550B	
720-23080-6	B2-23'	Т	Solid	3550B	
720-23080-7	MW4-10'	Т	Solid	3550B	
720-23080-8	MW4-15'	Т	Solid	3550B	
720-23080-11	MW3-15'	Т	Solid	3550B	
Analysis Batch:720-5930	5				
LCS 720-59312/2-B	Lab Control Sample	Т	Solid	8015B	720-59312
LCSD 720-59312/3-B	Lab Control Sample Duplicate	Т	Solid	8015B	720-59312
MB 720-59312/1-B	Method Blank	Т	Solid	8015B	720-59312
720-23080-1	B1-10'	Т	Solid	8015B	720-59312
720-23080-1MS	Matrix Spike	Т	Solid	8015B	720-59312
720-23080-1MSD	Matrix Spike Duplicate	Т	Solid	8015B	720-59312
720-23080-10	MW3-10'	Т	Solid	8015B	720-59312
720-23080-13	MW2-10'	Т	Solid	8015B	720-59312
720-23080-14	MW2-15'	Т	Solid	8015B	720-59312
720-23080-17	B3-10'	Т	Solid	8015B	720-59312
720-23080-18	B4-10'	Т	Solid	8015B	720-59312
720-23080-20	B5-10'	Т	Solid	8015B	720-59312
720-23080-21	B6-10'	Т	Solid	8015B	720-59312
720-23080-23	B7-10'	Т	Solid	8015B	720-59312
720-23080-24	B8-10'	Т	Solid	8015B	720-59312
Analysis Batch:720-5930	7				
LCS 720-59273/2-A	Lab Control Sample	Т	Solid	8015B	720-59273
LCSD 720-59273/3-A	Lab Control Sample Duplicate	Т	Solid	8015B	720-59273
MB 720-59273/1-A	Method Blank	Т	Solid	8015B	720-59273
720-23080-4	B1-22'	Т	Solid	8015B	720-59273
720-23080-5	B2-10'	Т	Solid	8015B	720-59273
720-23080-6	B2-23'	Т	Solid	8015B	720-59273
720-23080-7	MW4-10'	Т	Solid	8015B	720-59273
720-23080-8	MW4-15'	Т	Solid	8015B	720-59273
720-23080-11	MW3-15'	Т	Solid	8015B	720-59273

QC Association Summary

		Report			
Lab Sample ID	Client Sample ID	Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-59312					
LCS 720-59312/2-B	Lab Control Sample	Т	Solid	3550B	
LCSD 720-59312/3-B	Lab Control Sample Duplicate	Т	Solid	3550B	
MB 720-59312/1-B	Method Blank	Т	Solid	3550B	
720-23080-1	B1-10'	Т	Solid	3550B	
720-23080-1MS	Matrix Spike	Т	Solid	3550B	
720-23080-1MSD	Matrix Spike Duplicate	Т	Solid	3550B	
720-23080-10	MW3-10'	Т	Solid	3550B	
720-23080-13	MW2-10'	Т	Solid	3550B	
720-23080-14	MW2-15'	Т	Solid	3550B	
720-23080-17	B3-10'	Т	Solid	3550B	
720-23080-18	B4-10'	Т	Solid	3550B	
720-23080-20	B5-10'	Т	Solid	3550B	
720-23080-21	B6-10'	Т	Solid	3550B	
720-23080-23	B7-10'	Т	Solid	3550B	
720-23080-24	B8-10'	Т	Solid	3550B	

Report Basis

T = Total

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Method Blank - Batch: 720-59352

Method: 8260B Preparation: 5030B

Lab Sample ID: MB 720-59352/6-A Client Matrix: Solid Analysis Batch: 720-59302 Prep Batch: 720-59352

Client Matrix: Soli Dilution: 1.0

Units: ug/Kg

Date Analyzed: 10/10/2009 1447 Date Prepared: 10/10/2009 1000 Instrument ID: Chenstation 3
Lab File ID: 10100908.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Method Blank - Batch: 720-59352

Method: 8260B Preparation: 5030B

Lab Sample ID: MB 720-59352/6-A Client Matrix: Solid Analysis Batch: 720-59302 Prep Batch: 720-59352

Dilution: 1.0

Units: ug/Kg

Date Analyzed: 10/10/2009 1447 Date Prepared: 10/10/2009 1000 Instrument ID: Chenstation 3
Lab File ID: 10100908.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
Xylenes, Total	ND		10
2,2-Dichloropropane	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	ND		250
TBA	ND		5.0
DIPE	ND		5.0
TAME	ND		5.0
Ethyl t-butyl ether	ND		5.0
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	106	52 - 130	
1,2-Dichloroethane-d4 (Surr)	128	67 - 132	
Toluene-d8 (Surr)	106	58 - 130	

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Lab Control Sample/ Method: 8260B
Lab Control Sample Duplicate Recovery Report - Batch: 720-59352 Preparation: 5030B

LCS Lab Sample ID: LCS 720-59352/2-A

Client Matrix: Solid Dilution: 1.0

Date Analyzed: 10/10/2009 1236 Date Prepared: 10/10/2009 1000 Analysis Batch: 720-59302 Prep Batch: 720-59352

Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100904.D

Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59352/3-A

Client Matrix: Solid Dilution: 1.0

Date Analyzed: 10/10/2009 1309 Date Prepared: 10/10/2009 1000 Analysis Batch: 720-59302 Prep Batch: 720-59352

Units: ug/Kg

Instrument ID: Chenstation 3 Lab File ID: 10100905.D Initial Weight/Volume: 5 g

Final Weight/Volume: 10 mL

thyl tert-butyl ether 123 etone 124 nzene 100	111 109 98 116 97 98	69 - 125 37 - 150 72 - 120 64 - 135 77 - 121	10 12 1 5	20 20 20 20	LCS Qual	LCSD Qual
etone 124 nzene 100	109 98 116 97	37 - 150 72 - 120 64 - 135	12 1	20		
nzene 100	98 116 97	72 - 120 64 - 135	1			
	116 97	64 - 135		20		
	97		5			
chlorobromomethane 122		77 - 121		20		
omobenzene 98	98		1	20		
lorobromomethane 103		65 - 128	5	20		
omoform 118	108	58 - 132	9	20		
omomethane 98	93	56 - 124	6	20		
Butanone (MEK) 130	111	41 - 150	16	20		
Butylbenzene 110	110	60 - 145	0	20		
c-Butylbenzene 101	102	64 - 137	1	20		
t-Butylbenzene 101	103	63 - 134	1	20		
rbon disulfide 84	83	10 - 150	1	20		
rbon tetrachloride 108	110	54 - 141	1	20		
lorobenzene 103	99	70 - 121	3	20		
loroethane 103	94	61 - 125	9	20		
loroform 109	107	67 - 125	2	20		
loromethane 99	94	50 - 131	5	20		
Chlorotoluene 106	108	75 - 131	2	20		
Chlorotoluene 107	107	76 - 129	0	20		
lorodibromomethane 123	116	60 - 140	5	20		
-Dichlorobenzene 102	100	73 - 126	2	20		
-Dichlorobenzene 100	99	73 - 128	0	20		
-Dichlorobenzene 98	97	72 - 122	1	20		
-Dichloropropane 118	110	74 - 127	6	20		
-Dichloropropene 106	105	67 - 128	1	20		
-Dibromo-3-Chloropropane 123	109	57 - 130	12	20		
nylene Dibromide 114	105	66 - 135	8	20		
promomethane 116	109	65 - 131	7	20		
chlorodifluoromethane 96	92	38 - 120	5	20		
-Dichloroethane 107	105	67 - 126	2	20		
-Dichloroethane 124	117	73 - 122	6	20	*	

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Lab Control Sample/ Method: 8260B
Lab Control Sample Duplicate Recovery Report - Batch: 720-59352 Preparation: 5030B

LCS Lab Sample ID: LCS 720-59352/2-A

Client Matrix: Solid
Dilution: 1.0

Date Analyzed: 10/10/2009 1236 Date Prepared: 10/10/2009 1000 Analysis Batch: 720-59302 Prep Batch: 720-59352

Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100904.D
Initial Weight/Volume: 5 g

Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59352/3-A

Client Matrix: Solid Dilution: 1.0

Date Analyzed: 10/10/2009 1309 Date Prepared: 10/10/2009 1000 Analysis Batch: 720-59302 Prep Batch: 720-59352

Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100905.D
Initial Weight/Volume: 5 g

Final Weight/Volume: 10 mL

	<u>% R</u>	lec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	99	99	64 - 129	0	20		
cis-1,2-Dichloroethene	109	106	68 - 131	3	20		
trans-1,2-Dichloroethene	98	96	70 - 130	2	20		
1,2-Dichloropropane	107	103	65 - 133	4	20		
cis-1,3-Dichloropropene	126	117	46 - 139	7	20		
trans-1,3-Dichloropropene	128	118	55 - 131	8	20		
Ethylbenzene	109	105	65 - 130	3	20		
Hexachlorobutadiene	100	100	58 - 132	1	20		
2-Hexanone	132	112	44 - 150	17	20		
Isopropylbenzene	91	90	65 - 130	1	20		
4-Isopropyltoluene	104	105	69 - 134	2	20		
Methylene Chloride	100	94	63 - 129	7	20		
4-Methyl-2-pentanone (MIBK)	131	114	51 - 140	14	20		
Naphthalene	115	108	45 - 146	7	20		
N-Propylbenzene	103	104	71 - 130	1	20		
Styrene	109	105	58 - 135	4	20		
1,1,1,2-Tetrachloroethane	111	108	64 - 133	3	20		
1,1,2,2-Tetrachloroethane	122	112	75 - 131	9	20		
Tetrachloroethene	95	94	67 - 128	0	20		
Toluene	100	98	72 - 120	2	20		
1,2,3-Trichlorobenzene	106	103	58 - 138	2	20		
1,2,4-Trichlorobenzene	101	97	49 - 144	4	20		
1,1,1-Trichloroethane	108	109	57 - 133	1	20		
1,1,2-Trichloroethane	120	111	68 - 132	8	20		
Trichloroethene	95	93	66 - 125	2	20		
Trichlorofluoromethane	104	105	61 - 127	1	20		
1,2,3-Trichloropropane	125	115	62 - 150	8	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	91	91	52 - 126	1	20		
1,2,4-Trimethylbenzene	113	113	64 - 140	0	20		
1,3,5-Trimethylbenzene	107	108	67 - 134	0	20		
Vinyl acetate	123	114	52 - 150	8	20		
Vinyl chloride	100	100	62 - 120	0	20		

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Lab Control Sample/ Method: 8260B
Lab Control Sample Duplicate Recovery Report - Batch: 720-59352 Preparation: 5030B

LCS Lab Sample ID: LCS 720-59352/2-A

Client Matrix: Solid Dilution: 1.0

Date Analyzed: 10/10/2009 1236 Date Prepared: 10/10/2009 1000 Analysis Batch: 720-59302 Prep Batch: 720-59352

Units: ug/Kg

Instrument ID: Chenstation 3 Lab File ID: 10100904.D

Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59352/3-A

Client Matrix: Solid Dilution: 1.0

Date Analyzed: 10/10/2009 1309 Date Prepared: 10/10/2009 1000 Analysis Batch: 720-59302 Prep Batch: 720-59352

Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100905.D
Initial Weight/Volume: 5 g

Final Weight/Volume: 10 mL

	<u>0</u>	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	116	115	63 - 130	1	20		
TBA	90	91	70 - 130	0	20		
DIPE	107	101	70 - 130	5	20		
TAME	125	115	70 - 130	9	20		
Ethyl t-butyl ether	111	103	70 - 130	8	20		
Surrogate	L	CS % Rec	LCSD %	Rec	Accep	tance Limits	
4-Bromofluorobenzene	1	12	107		5	52 - 130	
1,2-Dichloroethane-d4 (Surr)	1	27	119		6	67 - 132	
Toluene-d8 (Surr)	1	06	108		5	8 - 130	

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Lab Control Sample/ Method: 8260B
Lab Control Sample Duplicate Recovery Report - Batch: 720-59352 Preparation: 5030B

LCS Lab Sample ID: LCS 720-59352/4-A

Client Matrix: Solid Dilution: 1.0

Date Analyzed: 10/10/2009 1341 Date Prepared: 10/10/2009 1000 Analysis Batch: 720-59302 Prep Batch: 720-59352

Units: ug/Kg

Instrument ID: Chenstation 3 Lab File ID: 10100906.D

Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59352/5-A

Client Matrix: Solid
Dilution: 1.0

Date Analyzed: 10/10/2009 1414 Date Prepared: 10/10/2009 1000 Analysis Batch: 720-59302 Prep Batch: 720-59352

Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10100907.D
Initial Weight/Volume: 5 g

Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

% Rec. Analyte **RPD** LCSD Qual LCS LCSD Limit RPD Limit LCS Qual Gasoline Range Organics (GRO)-C5-C12 99 70 - 130 20 96 3 Surrogate LCS % Rec LCSD % Rec Acceptance Limits 4-Bromofluorobenzene 52 - 130 111 110 1,2-Dichloroethane-d4 (Surr) 124 124 67 - 132 Toluene-d8 (Surr) 107 108 58 - 130

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Matrix Spike/ Method: 8260B
Matrix Spike Duplicate Recovery Report - Batch: 720-59352 Preparation: 5030B

MS Lab Sample ID: 720-23080-1 Analysis Batch: 720-59302 Instrument ID: Chenstation 3

Client Matrix: Solid Prep Batch: 720-59352 Lab File ID: 10100910.D

Dilution: 1.0 Initial Weight/Volume: 5.04 g

Date Analyzed: 10/10/2009 1605 Final Weight/Volume: 10 mL

Date Prepared: 10/10/2009 1000

MSD Lab Sample ID: 720-23080-1 Analysis Batch: 720-59302 Instrument ID: Chenstation 3

Client Matrix: Solid Prep Batch: 720-59352 Lab File ID: 10100911.D

Dilution: 1.0 Initial Weight/Volume: 5.00 g

Dilution: 1.0 Initial Weight/Volume: 5.00 g

Date Analyzed: 10/10/2009 1638 Final Weight/Volume: 10 mL

Date Prepared: 10/10/2009 1000

	<u>%</u>	Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	106	107	69 - 130	2	20		
Acetone	105	105	37 - 150	1	20		
Benzene	97	98	70 - 130	3	20		
Dichlorobromomethane	113	114	64 - 135	2	20		
Bromobenzene	100	102	70 - 130	2	20		
Chlorobromomethane	95	96	65 - 130	2	20		
Bromoform	102	106	58 - 132	5	20		
Bromomethane	94	92	56 - 130	1	20		
2-Butanone (MEK)	105	104	41 - 150	0	20		
n-Butylbenzene	111	114	60 - 145	3	20		
sec-Butylbenzene	109	110	64 - 137	2	20		
tert-Butylbenzene	110	111	63 - 134	2	20		
Carbon disulfide	85	84	10 - 150	0	20		
Carbon tetrachloride	113	114	54 - 130	2	20		
Chlorobenzene	99	100	70 - 130	2	20		
Chloroethane	97	102	61 - 130	6	20		
Chloroform	106	107	67 - 130	1	20		
Chloromethane	94	94	50 - 131	1	20		
2-Chlorotoluene	110	112	70 - 130	3	20		
4-Chlorotoluene	109	111	70 - 130	3	20		
Chlorodibromomethane	112	113	60 - 141	2	20		
1,2-Dichlorobenzene	98	102	70 - 130	5	20		
1,3-Dichlorobenzene	100	101	70 - 130	1	20		
1,4-Dichlorobenzene	98	99	70 - 130	2	20		
1,3-Dichloropropane	106	106	70 - 130	1	20		
1,1-Dichloropropene	108	107	67 - 130	0	20		
1,2-Dibromo-3-Chloropropane	101	112	57 - 130	11	20		
Ethylene Dibromide	102	104	66 - 135	3	20		
Dibromomethane	105	104	65 - 131	1	20		

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Matrix Spike/ Method: 8260B

Matrix Spike Duplicate Recovery Report - Batch: 720-59352 Preparation: 5030B

MS Lab Sample ID: 720-23080-1 Analysis Batch: 720-59302 Instrument ID: Chenstation 3

Client Matrix: Solid Prep Batch: 720-59352 Lab File ID: 10100910.D

Dilution: 1.0 Initial Weight/Volume: 5.04 g

Date Analyzed: 10/10/2009 1605 Final Weight/Volume: 10 mL

Date Prepared: 10/10/2009 1000

MSD Lab Sample ID: 720-23080-1 Analysis Batch: 720-59302 Instrument ID: Chenstation 3

Client Matrix: Solid Prep Batch: 720-59352 Lab File ID: 10100911.D

Dilution: 1.0 Initial Weight/Volume: 5.00 g

Dilution: 1.0 Initial Weight/Volume: 5.00 g
Date Analyzed: 10/10/2009 1638 Final Weight/Volume: 10 mL
Date Prepared: 10/10/2009 1000

	<u>% Rec.</u>						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dichlorodifluoromethane	101	99	38 - 130	1	20		
1,1-Dichloroethane	104	105	67 - 130	2	20		
1,2-Dichloroethane	113	116	70 - 130	3	20		
1,1-Dichloroethene	101	101	64 - 130	1	20		
cis-1,2-Dichloroethene	105	106	68 - 131	2	20		
trans-1,2-Dichloroethene	97	96	70 - 130	0	20		
1,2-Dichloropropane	101	101	65 - 133	1	20		
cis-1,3-Dichloropropene	112	112	46 - 139	2	20		
trans-1,3-Dichloropropene	113	115	55 - 131	3	20		
Ethylbenzene	107	106	65 - 130	1	20		
Hexachlorobutadiene	90	97	58 - 132	8	20		
2-Hexanone	106	113	44 - 150	7	20		
Isopropylbenzene	92	91	65 - 130	0	20		
4-Isopropyltoluene	110	112	69 - 134	3	20		
Methylene Chloride	92	91	63 - 130	0	20		
4-Methyl-2-pentanone (MIBK)	107	111	51 - 140	5	20		
Naphthalene	91	98	45 - 146	8	20		
N-Propylbenzene	109	110	70 - 130	2	20		
Styrene	103	104	58 - 135	2	20		
1,1,1,2-Tetrachloroethane	105	109	64 - 133	4	20		
1,1,2,2-Tetrachloroethane	111	120	70 - 131	8	20		
Tetrachloroethene	97	96	67 - 130	0	20		
Toluene	99	100	70 - 130	1	20		
1,2,3-Trichlorobenzene	85	91	58 - 138	8	20		
1,2,4-Trichlorobenzene	85	87	49 - 144	3	20		
1,1,1-Trichloroethane	112	114	57 - 133	2	20		
1,1,2-Trichloroethane	107	109	68 - 132	2	20		
Trichloroethene	95	97	66 - 130	2	20		
Trichlorofluoromethane	108	108	61 - 130	2	20		

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Matrix Spike/ Method: 8260B

Matrix Spike Duplicate Recovery Report - Batch: 720-59352 Preparation: 5030B

MS Lab Sample ID: 720-23080-1 Analysis Batch: 720-59302 Instrument ID: Chenstation 3

Client Matrix: Solid Prep Batch: 720-59352 Lab File ID: 10100910.D

Dilution: 1.0 Initial Weight/Volume: 5.04 g

 Date Analyzed:
 10/10/2009 1605
 Final Weight/Volume:
 10 mL

 Date Prepared:
 10/10/2009 1000

MSD Lab Sample ID: 720-23080-1 Analysis Batch: 720-59302 Instrument ID: Chenstation 3

Client Matrix: Solid Prep Batch: 720-59352 Lab File ID: 10100911.D

Dilution: 1.0 Initial Weight/Volume: 5.00 g

Date Analyzed: 10/10/2009 1638 Final Weight/Volume: 10 mL

Date Prepared: 10/10/2009 1000

	<u>%</u>	Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,3-Trichloropropane	113	119	62 - 150	7	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	96	98	52 - 130	2	20		
1,2,4-Trimethylbenzene	114	115	64 - 140	2	20		
1,3,5-Trimethylbenzene	112	113	67 - 134	2	20		
Vinyl acetate	37	25	52 - 150	35	20	F	F
Vinyl chloride	101	102	62 - 130	1	20		
2,2-Dichloropropane	117	118	63 - 130	1	20		
TBA	91	97	70 - 130	8	20		
DIPE	99	100	70 - 130	2	20		
TAME	110	110	70 - 130	1	20		
Ethyl t-butyl ether	99	100	70 - 130	1	20		
Surrogate		MS % Rec	MSD	% Rec	Acceptance Limits		
4-Bromofluorobenzene		111	104		5	2 - 130	
1,2-Dichloroethane-d4 (Surr)		120	116		6	7 - 132	
Toluene-d8 (Surr)		111	107		5	8 - 130	

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Method Blank - Batch: 720-59432

Method: 8260B Preparation: 5030B

Lab Sample ID: MB 720-59432/3-A Client Matrix: Solid Analysis Batch: 720-59384 Prep Batch: 720-59432 Instrument ID: Chenstation 3
Lab File ID: 10120925.D

Dilution: 1.0

Units: ug/Kg

Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

Date Analyzed: 10/12/2009 2253 Date Prepared: 10/12/2009 0800

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Method Blank - Batch: 720-59432

Method: 8260B Preparation: 5030B

Lab Sample ID: MB 720-59432/3-A Client Matrix: Solid

Analysis Batch: 720-59384 Prep Batch: 720-59432

Units: ug/Kg

Dilution: 1.0

Date Analyzed: 10/12/2009 2253 Date Prepared: 10/12/2009 0800

Instrument ID: Chenstation 3 Lab File ID: 10120925.D Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
Xylenes, Total	ND		10
2,2-Dichloropropane	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	ND		250
TBA	ND		5.0
DIPE	ND		5.0
TAME	ND		5.0
Ethyl t-butyl ether	ND		5.0
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	105	52 - 140	
1,2-Dichloroethane-d4 (Surr)	119	60 - 140	
Toluene-d8 (Surr)	103	58 - 140	

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Lab Control Sample/ Method: 8260B Lab Control Sample Duplicate Recovery Report - Batch: 720-59432 Preparation: 5030B

LCS Lab Sample ID: LCS 720-59432/1-A

Client Matrix: Solid Dilution: 1.0

Date Prepared:

Date Analyzed:

10/12/2009 2042

10/12/2009 0800

Analysis Batch: 720-59384 Prep Batch: 720-59432

Units: ug/Kg

Instrument ID: Chenstation 3 Lab File ID: 10120921.D

Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59432/2-A

Client Matrix: Solid Dilution: 1.0

10/12/2009 2115 Date Analyzed: Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384

Prep Batch: 720-59432

Units: ug/Kg

Instrument ID: Chenstation 3 Lab File ID: 10120922.D Initial Weight/Volume:

5 g Final Weight/Volume: 10 mL

	(-	<u>% Rec.</u>					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	114	109	69 - 125	4	20		
Acetone	125	117	37 - 150	7	20		
Benzene	104	103	72 - 120	1	20		
Dichlorobromomethane	119	117	64 - 135	2	20		
Bromobenzene	98	98	77 - 121	0	20		
Chlorobromomethane	98	97	65 - 128	2	20		
Bromoform	108	106	58 - 132	1	20		
Bromomethane	102	99	56 - 124	3	20		
2-Butanone (MEK)	122	116	41 - 150	5	20		
n-Butylbenzene	120	120	60 - 145	1	20		
sec-Butylbenzene	108	108	64 - 137	0	20		
tert-Butylbenzene	106	106	63 - 134	0	20		
Carbon disulfide	92	91	10 - 150	1	20		
Carbon tetrachloride	109	107	54 - 141	1	20		
Chlorobenzene	103	103	70 - 121	0	20		
Chloroethane	105	105	61 - 125	0	20		
Chloroform	109	108	67 - 125	1	20		
Chloromethane	106	106	50 - 131	0	20		
2-Chlorotoluene	112	111	75 - 131	1	20		
4-Chlorotoluene	113	112	76 - 129	1	20		
Chlorodibromomethane	116	113	60 - 140	3	20		
1,2-Dichlorobenzene	103	104	73 - 126	1	20		
1,3-Dichlorobenzene	102	102	73 - 128	1	20		
1,4-Dichlorobenzene	100	100	72 - 122	1	20		
1,3-Dichloropropane	119	115	74 - 127	4	20		
1,1-Dichloropropene	111	109	67 - 128	1	20		
1,2-Dibromo-3-Chloropropane	118	106	57 - 130	11	20		
Ethylene Dibromide	110	106	66 - 135	4	20		
Dibromomethane	115	113	65 - 131	2	20		
Dichlorodifluoromethane	110	111	38 - 120	1	20		
1,1-Dichloroethane	111	110	67 - 126	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

118

1,2-Dichloroethane

73 - 122

2

20

116

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Lab Control Sample/ Method: 8260B
Lab Control Sample Duplicate Recovery Report - Batch: 720-59432 Preparation: 5030B

LCS Lab Sample ID: LCS 720-59432/1-A

Client Matrix: Solid
Dilution: 1.0

Date Analyzed: 10/12/2009 2042 Date Prepared: 10/12/2009 0800 Analysis Batch: 720-59384 Prep Batch: 720-59432

Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10120921.D
Initial Weight/Volume: 5 g

Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59432/2-A

Client Matrix: Solid
Dilution: 1.0

Date Analyzed: 10/12/2009 2115 Date Prepared: 10/12/2009 0800 Analysis Batch: 720-59384 Prep Batch: 720-59432

Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10120922.D
Initial Weight/Volume: 5 g

Final Weight/Volume: 10 mL

<u>% Rec.</u>							
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	107	106	64 - 129	1	20		
cis-1,2-Dichloroethene	112	111	68 - 131	1	20		
trans-1,2-Dichloroethene	101	99	70 - 130	2	20		
1,2-Dichloropropane	110	107	65 - 133	3	20		
cis-1,3-Dichloropropene	123	122	46 - 139	1	20		
trans-1,3-Dichloropropene	122	120	55 - 131	2	20		
Ethylbenzene	110	108	65 - 130	2	20		
Hexachlorobutadiene	106	109	58 - 132	2	20		
2-Hexanone	124	113	44 - 150	9	20		
Isopropylbenzene	93	92	65 - 130	1	20		
4-Isopropyltoluene	109	109	69 - 134	0	20		
Methylene Chloride	98	99	63 - 129	0	20		
4-Methyl-2-pentanone (MIBK)	124	114	51 - 140	8	20		
Naphthalene	120	116	45 - 146	3	20		
N-Propylbenzene	109	110	71 - 130	1	20		
Styrene	108	106	58 - 135	2	20		
1,1,1,2-Tetrachloroethane	107	106	64 - 133	1	20		
1,1,2,2-Tetrachloroethane	123	117	75 - 131	5	20		
Tetrachloroethene	93	93	67 - 128	1	20		
Toluene	101	101	72 - 120	1	20		
1,2,3-Trichlorobenzene	109	109	58 - 138	0	20		
1,2,4-Trichlorobenzene	105	105	49 - 144	0	20		
1,1,1-Trichloroethane	107	108	57 - 133	1	20		
1,1,2-Trichloroethane	119	114	68 - 132	4	20		
Trichloroethene	93	90	66 - 125	3	20		
Trichlorofluoromethane	110	107	61 - 127	3	20		
1,2,3-Trichloropropane	126	123	62 - 150	3	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	94	92	52 - 126	2	20		
1,2,4-Trimethylbenzene	115	116	64 - 140	1	20		
1,3,5-Trimethylbenzene	111	111	67 - 134	0	20		
Vinyl acetate	122	117	52 - 150	4	20		
Vinyl chloride	101	99	62 - 120	2	20		

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Lab Control Sample/ Method: 8260B Lab Control Sample Duplicate Recovery Report - Batch: 720-59432 Preparation: 5030B

LCS Lab Sample ID: LCS 720-59432/1-A

Client Matrix: Solid Dilution: 1.0

Date Analyzed:

10/12/2009 2042 Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384 Prep Batch: 720-59432

Units: ug/Kg

Instrument ID:

Chenstation 3 10120921.D

Lab File ID: 5 g Initial Weight/Volume:

Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59432/2-A

Client Matrix: Solid Dilution: 1.0

10/12/2009 2115 Date Analyzed: Date Prepared: 10/12/2009 0800

Analysis Batch: 720-59384 Prep Batch: 720-59432

Units: ug/Kg

Instrument ID: Lab File ID:

Chenstation 3 10120922.D

Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

% Rec. **RPD** RPD Limit LCS Qual Analyte LCS LCSD Limit LCSD Qual 2,2-Dichloropropane 115 63 - 130 20 117 1 TBA 91 91 70 - 130 0 20 DIPE 70 - 130 105 102 2 20 **TAME** 118 113 70 - 130 4 20 Ethyl t-butyl ether 106 101 70 - 130 5 20 Surrogate LCS % Rec LCSD % Rec Acceptance Limits 4-Bromofluorobenzene 112 109 52 - 140 60 - 140 1,2-Dichloroethane-d4 (Surr) 118 114 58 - 140 Toluene-d8 (Surr) 105 104

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Lab Control Sample/ Method: 8260B
Lab Control Sample Duplicate Recovery Report - Batch: 720-59432 Preparation: 5030B

LCS Lab Sample ID: LCS 720-59432/4-A

Client Matrix: Solid
Dilution: 1.0

Date Analyzed: 10/12/2009 2148 Date Prepared: 10/12/2009 0800 Analysis Batch: 720-59384 Prep Batch: 720-59432

Units: ug/Kg

Instrument ID: Chenstation 3 Lab File ID: 10120923.D

Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59432/5-A

Client Matrix: Solid Dilution: 1.0

Date Analyzed: 10/12/2009 2220 Date Prepared: 10/12/2009 0800 Analysis Batch: 720-59384 Prep Batch: 720-59432

Units: ug/Kg

Instrument ID: Chenstation 3
Lab File ID: 10120924.D

Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

% Rec. Analyte **RPD** LCSD Qual LCS LCSD Limit RPD Limit LCS Qual Gasoline Range Organics (GRO)-C5-C12 96 70 - 130 20 96 1 Surrogate LCS % Rec LCSD % Rec Acceptance Limits 4-Bromofluorobenzene 112 52 - 140 111 1,2-Dichloroethane-d4 (Surr) 119 123 60 - 140 Toluene-d8 (Surr) 105 105 58 - 140

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Matrix Spike/ Method: 8260B
Matrix Spike Duplicate Recovery Report - Batch: 720-59432 Preparation: 5030B

MS Lab Sample ID: 720-23080-24 Analysis Batch: 720-59384 Instrument ID: Chenstation 3

Client Matrix: Solid Prep Batch: 720-59432 Lab File ID: 10120928.D

Dilution: 1.0 Initial Weight/Volume: 5.01 g

Date Analyzed: 10/13/2009 0032 Final Weight/Volume: 10 mL

Date Prepared: 10/12/2009 0800

MSD Lab Sample ID: 720-23080-24 Analysis Batch: 720-59384 Instrument ID: Chenstation 3 Client Matrix: Solid Prep Batch: 720-59432 Lab File ID: 10120929.D

 Dilution:
 1.0
 Initial Weight/Volume:
 5.06 g

 Date Analyzed:
 10/13/2009 0105
 Final Weight/Volume:
 10 mL

 Date Prepared:
 10/12/2009 0800

	<u>% F</u>	Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	113	117	69 - 130	3	20		
Acetone	131	136	37 - 150	2	20		
Benzene	101	103	70 - 130	1	20		
Dichlorobromomethane	118	118	64 - 135	1	20		
Bromobenzene	101	100	70 - 130	2	20		
Chlorobromomethane	98	100	65 - 130	1	20		
Bromoform	113	115	58 - 132	1	20		
Bromomethane	86	88	56 - 130	1	20		
2-Butanone (MEK)	113	125	41 - 150	6	20		
n-Butylbenzene	118	120	60 - 145	1	20		
sec-Butylbenzene	111	112	64 - 137	0	20		
tert-Butylbenzene	109	109	63 - 134	1	20		
Carbon disulfide	94	96	10 - 150	2	20		
Carbon tetrachloride	101	102	54 - 130	0	20		
Chlorobenzene	100	104	70 - 130	3	20		
Chloroethane	93	93	61 - 130	0	20		
Chloroform	106	109	67 - 130	2	20		
Chloromethane	79	81	50 - 131	2	20		
2-Chlorotoluene	113	114	70 - 130	0	20		
4-Chlorotoluene	114	115	70 - 130	0	20		
Chlorodibromomethane	117	119	60 - 141	0	20		
1,2-Dichlorobenzene	107	107	70 - 130	2	20		
1,3-Dichlorobenzene	101	102	70 - 130	0	20		
1,4-Dichlorobenzene	102	102	70 - 130	1	20		
1,3-Dichloropropane	120	122	70 - 130	1	20		
1,1-Dichloropropene	102	105	67 - 130	2	20		
1,2-Dibromo-3-Chloropropane	121	128	57 - 130	5	20		
Ethylene Dibromide	110	115	66 - 135	3	20		
Dibromomethane	114	115	65 - 131	0	20		

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Matrix Spike/ Method: 8260B
Matrix Spike Duplicate Recovery Report - Batch: 720-59432 Preparation: 5030B

MS Lab Sample ID: 720-23080-24 Analysis Batch: 720-59384 Instrument ID: Chenstation 3 Client Matrix: Solid Prep Batch: 720-59432 Lab File ID: 10120928.D Dilution: 1.0 Initial Weight/Volume: 5.01 g

Date Analyzed: 10/13/2009 0032 Final Weight/Volume: 10 mL

Date Prepared: 10/12/2009 0800

MSD Lab Sample ID: 720-23080-24 Analysis Batch: 720-59384 Instrument ID: Chenstation 3
Client Matrix: Solid Prep Batch: 720-59432 Lab File ID: 10120929.D
Dilution: 1.0 Initial Weight/Volume: 5.06 g

 Dilution:
 1.0
 Initial Weight/Volume:
 5.06 g

 Date Analyzed:
 10/13/2009 0105
 Final Weight/Volume:
 10 mL

 Date Prepared:
 10/12/2009 0800

% Rec. MSD Qual MS MSD **RPD RPD Limit** Analyte Limit MS Qual Dichlorodifluoromethane 59 38 - 130 20 57 2 1.1-Dichloroethane 108 109 67 - 130 1 20 1,2-Dichloroethane 116 120 70 - 130 2 20 1.1-Dichloroethene 100 101 64 - 130 0 20 cis-1,2-Dichloroethene 109 111 68 - 131 1 20 70 - 130 1 20 trans-1,2-Dichloroethene 97 97 108 65 - 133 4 20 1,2-Dichloropropane 113 cis-1,3-Dichloropropene 120 123 46 - 139 2 20 trans-1,3-Dichloropropene 119 123 55 - 131 3 20 105 65 - 130 3 20 Ethylbenzene 110 Hexachlorobutadiene 102 105 58 - 132 2 20 44 - 150 2 20 2-Hexanone 130 133 2 90 92 65 - 130 20 Isopropylbenzene 4-Isopropyltoluene 112 112 69 - 134 0 20 Methylene Chloride 104 106 63 - 130 0 20 4-Methyl-2-pentanone (MIBK) 51 - 140 1 20 132 132 Naphthalene 115 116 45 - 146 0 20 2 70 - 130 20 N-Propylbenzene 112 111 Styrene 104 107 58 - 135 1 20 107 110 64 - 133 1 20 1,1,1,2-Tetrachloroethane 2 F 1.1.2.2-Tetrachloroethane 138 137 70 - 131 20 F Tetrachloroethene 87 89 67 - 130 2 20 Toluene 100 102 70 - 130 1 20 1,2,3-Trichlorobenzene 102 103 58 - 138 0 20 95 93 49 - 144 1 20 1,2,4-Trichlorobenzene 1,1,1-Trichloroethane 102 102 57 - 133 1 20 1,1,2-Trichloroethane 122 121 68 - 132 2 20 Trichloroethene 87 87 66 - 130 1 20 Trichlorofluoromethane 95 96 61 - 130 0 20

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Matrix Spike/ Method: 8260B
Matrix Spike Duplicate Recovery Report - Batch: 720-59432 Preparation: 5030B

MS Lab Sample ID: 720-23080-24 Analysis Batch: 720-59384 Instrument ID: Chenstation 3

Client Matrix: Solid Prep Batch: 720-59432 Lab File ID: 10120928.D

Dilution: 1.0 Initial Weight/Volume: 5.01 g

 Date Analyzed:
 10/13/2009 0032
 Final Weight/Volume:
 10 mL

 Date Prepared:
 10/12/2009 0800

MSD Lab Sample ID: 720-23080-24 Analysis Batch: 720-59384 Instrument ID: Chenstation 3

Client Matrix: Solid Prep Batch: 720-59432 Lab File ID: 10120929.D

Dilution: 1.0 Initial Weight/Volume: 5.06 g

Dilution: 1.0 Initial Weight/Volume: 5.06 g
Date Analyzed: 10/13/2009 0105 Final Weight/Volume: 10 mL
Date Prepared: 10/12/2009 0800

% Rec. MS Qual MS MSD Limit RPD **RPD Limit** MSD Qual Analyte 62 - 150 1,2,3-Trichloropropane 140 20 139 0 1,1,2-Trichloro-1,2,2-trifluoroethane 85 85 52 - 130 1 20 64 - 140 1,2,4-Trimethylbenzene 118 119 0 20 1,3,5-Trimethylbenzene 113 113 67 - 134 1 20 Vinyl acetate 21 16 52 - 150 26 20 F F 79 80 62 - 130 1 20 Vinyl chloride 63 - 130 2,2-Dichloropropane 104 109 4 20 TBA 92 93 70 - 130 0 20 DIPE 70 - 130 108 109 0 20 **TAME** 121 70 - 130 2 20 117 Ethyl t-butyl ether 105 109 70 - 130 2 20 MS % Rec MSD % Rec Surrogate Acceptance Limits 4-Bromofluorobenzene 108 110 52 - 140 1,2-Dichloroethane-d4 (Surr) 118 117 60 - 140 Toluene-d8 (Surr) 102 104 58 - 140

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Method Blank - Batch: 720-59492 Method: 8260B Preparation: 5035

Lab Sample ID: MB 720-59492/1-A Analysis Batch: 720-59397 Instrument ID: Chenstation 3 Client Matrix: Solid Prep Batch: 720-59492 Lab File ID: 10130911.D Dilution: 1.0 Units: ug/Kg Initial Weight/Volume: 5 g

10/13/2009 1315 Final Weight/Volume: Date Analyzed: 10 mL Date Prepared: 10/13/2009 0800

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Method Blank - Batch: 720-59492

Method: 8260B Preparation: 5035

Lab Sample ID:MB 720-59492/1-AAnalysis Batch:720-59397Instrument ID:Chenstation 3Client Matrix:SolidPrep Batch:720-59492Lab File ID:10130911.DDilution:1.0Units:ug/KgInitial Weight/Volume:5 g

Date Analyzed: 10/13/2009 1315

Date Prepared: 10/13/2009 0800

Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
m-Xylene & p-Xylene	ND		5.0
o-Xylene	ND		5.0
Xylenes, Total	ND		10
2,2-Dichloropropane	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	ND		250
ТВА	ND		5.0
DIPE	ND		5.0
TAME	ND		5.0
Ethyl t-butyl ether	ND		5.0
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	109	52 - 140	
1,2-Dichloroethane-d4 (Surr)	137	60 - 140	
Toluene-d8 (Surr)	105	58 - 140	

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Lab Control Sample/ Method: 8260B Lab Control Sample Duplicate Recovery Report - Batch: 720-59492 Preparation: 5035

LCS Lab Sample ID: LCS 720-59492/4-A

Client Matrix: Solid Dilution: 1.0

Date Analyzed:

10/13/2009 1211 Date Prepared: 10/13/2009 0800 Analysis Batch: 720-59397

Prep Batch: 720-59492

Units: ug/Kg

Instrument ID: Chenstation 3 Lab File ID: 10130909.D

Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-59492/5-A

Client Matrix: Solid Dilution: 1.0

10/13/2009 1243 Date Analyzed: Date Prepared: 10/13/2009 0800

Analysis Batch: 720-59397

Prep Batch: 720-59492

Units: ug/Kg

Instrument ID: Chenstation 3 Lab File ID: 10130910.D

Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

% Rec

Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	93	91	70 - 130	3	20		
Surrogate	L	CS % Rec	LCSD %	Rec	Accep	tance Limits	
4-Bromofluorobenzene	1	14	116		5	2 - 140	
1,2-Dichloroethane-d4 (Surr)	1	25	133		6	0 - 140	
Toluene-d8 (Surr)	1	06	107		5	8 - 140	

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Method Blank - Batch: 720-59273 Method: 8015B

Preparation: 3550B

Lab Sample ID: MB 720-59273/1-A Analysis Batch: 720-59307 Instrument ID: HP DRO5
Client Matrix: Solid Prep Batch: 720-59273 Lab File ID: 5a1010007.d

Dilution: 1.0 Units: mg/Kg Initial Weight/Volume: 30.28 g
Date Analyzed: 10/10/2009 1129 Final Weight/Volume: 5 mL
Date Prepared: 10/09/2009 1224 Injection Volume: 1 uL

te Prepared: 10/09/2009 1224 Injection Volume: 1 uL Column ID: PRIMARY

 Analyte
 Result
 Qual
 RL

 Diesel Range Organics [C10-C28]
 ND
 0.99

 Motor Oil Range Organics [C24-C36]
 ND
 50

Surrogate % Rec Acceptance Limits

p-Terphenyl 92 31 - 114

Lab Control Sample/ Method: 8015B
Lab Control Sample Duplicate Recovery Report - Batch: 720-59273 Preparation: 3550B

LCS Lab Sample ID: LCS 720-59273/2-A Analysis Batch: 720-59307 Instrument ID: HP DRO5
Client Matrix: Solid Prep Batch: 720-59273 Lab File ID: 5a1010020.d

Dilution: 1.0 Units: mg/Kg Initial Weight/Volume: 30.23 g
Date Analyzed: 10/10/2009 1719 Final Weight/Volume: 5 mL
Date Prepared: 10/09/2009 1224 Injection Volume: 1 uL

ate Prepared: 10/09/2009 1224 Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-59273/3-A Analysis Batch: 720-59307 Instrument ID: HP DRO5
Client Matrix: Solid Prep Batch: 720-59273 Lab File ID: 5a1010021.d

Dilution:

1.0

Units: mg/Kg

Initial Weight/Volume: 30.09 g

Date Analyzed: 10/10/2009 1746

Final Weight/Volume: 5 mL

Date Prepared: 10/09/2009 1224 Injection Volume: 1 uL Column ID: PRIMARY

% Rec. Analyte LCS **LCSD** Limit **RPD RPD Limit** LCS Qual LCSD Qual Diesel Range Organics [C10-C28] 85 82 49 - 115 4 35 Surrogate LCS % Rec LCSD % Rec Acceptance Limits

p-Terphenyl 89 87 31 - 114

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Method Blank - Batch: 720-59312 Method: 8015B
Preparation: 3550B

Lab Sample ID:MB 720-59312/1-BAnalysis Batch:720-59305Instrument ID:HP GC 7890Client Matrix:SolidPrep Batch:720-59312Lab File ID:FID1000022.D

Dilution: 1.0 Units: mg/Kg Initial Weight/Volume: 30.11 g
Date Analyzed: 10/10/2009 1606 Final Weight/Volume: 5 mL
Date Prepared: 10/10/2009 0854 Injection Volume: 1 uL

Column ID: PRIMARY

Analyte Result Qual RL

Diesel Range Organics [C10-C28] ND 1.0

Motor Oil Range Organics [C24-C36] ND 50

Surrogate % Rec Acceptance Limits

p-Terphenyl 81 31 - 114

Lab Control Sample/ Method: 8015B
Lab Control Sample Duplicate Recovery Report - Batch: 720-59312 Preparation: 3550B

LCS Lab Sample ID: LCS 720-59312/2-B Analysis Batch: 720-59305 Instrument ID: HP GC 7890

Client Matrix: Solid Prep Batch: 720-59312 Lab File ID: FID1000035.D

Dilution: 1.0 Units: mg/Kg Initial Weight/Volume: 30.19

Dilution: 1.0 Units: mg/Kg Initial Weight/Volume: 30.19 g
Date Analyzed: 10/10/2009 2050 Final Weight/Volume: 5 mL
Date Prepared: 10/10/2009 0854 Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-59312/3-B Analysis Batch: 720-59305 Instrument ID: HP GC 7890 Client Matrix: Solid Prep Batch: 720-59312 Lab File ID: FID1000036.D

 Dilution:
 1.0
 Units: mg/Kg
 Initial Weight/Volume:
 30.09 g

 Date Analyzed:
 10/10/2009 2112
 Final Weight/Volume:
 5 mL

 Date Prepared:
 10/10/2009 0854
 Injection Volume:
 1 uL

Column ID: PRIMARY

% Rec. Analyte LCS **LCSD** Limit **RPD RPD Limit** LCS Qual LCSD Qual Diesel Range Organics [C10-C28] 78 79 49 - 115 1 35 Surrogate LCS % Rec LCSD % Rec Acceptance Limits p-Terphenyl 42 82 31 - 114

31 - 114

Client: Sigma Engineering, Inc. Job Number: 720-23080-1

Matrix Spike/ Method: 8015B

Matrix Spike Duplicate Recovery Report - Batch: 720-59312 Preparation: 3550B

85

MS Lab Sample ID: 720-23080-1 Analysis Batch: 720-59305 Instrument ID: HP GC 7890 Client Matrix: Solid Prep Batch: 720-59312 Lab File ID: FID1000023.D 30.35 g Dilution: 1.0 Initial Weight/Volume: 10/10/2009 1628 Date Analyzed: Final Weight/Volume: 5 mL Date Prepared: 10/10/2009 0854 Injection Volume: 1 uL Column ID: **PRIMARY** Analysis Batch: 720-59305 MSD Lab Sample ID: 720-23080-1 Instrument ID: HP GC 7890 Client Matrix: Solid Prep Batch: 720-59312 Lab File ID: FID1000024.D Dilution: 1.0 Initial Weight/Volume: 30.42 g Date Analyzed: 10/10/2009 1650 Final Weight/Volume: 5 mL 10/10/2009 0854 Date Prepared: Injection Volume: 1 uL Column ID: **PRIMARY** % Rec. RPD Analyte MS MSD Limit **RPD Limit** MS Qual MSD Qual Diesel Range Organics [C10-C28] 50 - 130 83 3 30 86 Surrogate MS % Rec MSD % Rec Acceptance Limits

86

p-Terphenyl

San Francisco

TestAmerica

Chain of Custody Record

1220 Quarry Lane

phone 925.484.1919 fax 925.600,3002 Pleasanton, CA 94566

6,07 TestAmerica Laboratories, Inc. 1837 * Februated Sample Specific Notes: call SF SE Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Tai (0-70-0) 9 40 Sate/Time SDG No. Iob No. Archive For TOILUR BION to Among 10/2/01 Company: Company Company; Disposal By Lab Carrier: Date: dozen/ Nullen Site Contact: Elizabeth Zernik 5201 Hetum To Client SKXQ Received by: PLO19CS 1 hydrocar bor Received by: Lab Contact: petrole CARBON Cha Filtered Sample Date/Time: 9. 10/P/DJ 一点を記 Stander # of Canst. 5 day Matrix Calendar (C.) or Work Bays (W) Sample Type 50) 4 CAT if different from Below Project Manager: Chris Wells 2 weeks 2 days П Опкаони Bullot 1 week 1 day Sample Time 30 715 I 10/5/DS 0108 Sample Preservation Used: 1= Iee, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Company: 805) 983 4992 Fax Email cwells@sigmaengineeringinc.com Cell 805 358 0166 special Instructions/QC Requirements & Comments: Address 2101 Auto Center Drive, Suite 150 Sample Identification Flammable City/State/Zip Oxnard, CA 93036 Site: Northgate Mall, San Rafael 9 4 ossible Hazard Identification Project Name: SEARS TBA 0 N W3-Sigma Engineering, Inc. 805) 983 6262 Office C4 31 E 3 86 B1 - 20 Moises 03 2 R1-15 7 × 1 アメア RI-10 Relinquished by: Relinquished by: Relinquished by: P O # 098275

San Francisco

Pleasanton, CA. 94566 phone 925,484,1919. fax 925,600,3002

720 - 23080 Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING TOSTAMERICA Laboratories, Inc.

16/67 Sample Specific Notes: 1834 SEL. e SE1 2000 18-6-09-Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) 60-90-0) 0 COC No: SDG No. Date/Tink: Date/Time: Job No. Archive For tra Monne Bullet Gold Сотрапу: Disposal By Lab Carrier: Date: Site Contact: Elizabeth Zernik S 2008 Return To Client 1003 Date/Time: 407 Received by: Received by: Lab Contact: ntota Filtered Sample Date/Time: (0.16.09.1 2 weeks Standered Cont 2 days 5 day Matrix Analysis Turnaround Time Calendar (C) or Work Days (W) 7/08 SOL 7/38 7/28 2014 7/05 218 Sample 1105 0080 Type 3 TAT if different from Below Project Manager; Chris Wells Unknown 1 week Bullot 1 day 14/30 0649 300 1855 Sample Time 830 2019 0/202 Sample Date Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Poison B Company: Company: NO W SAM 805) 983 4992 Fax Email cwells@sigmaengineeringinc.com Skin Irritant ARCHI VE ARCHIVE Cell 805 358 0166 Special Instructions/QC Requirements & Comments: Address 2101 Auto Center Drive, Suite 150 Sample Identification Client Contact W IV 14 Flanmable 9 5 City/State/Zip Oxnard, CA 93036 Site: Northgate Mall, San Rafael 001 Project Name: SEARS TBA ossible Hazard Identification Sigma Engineering, Inc. 805) 983 6262 Office Page 38 3 5 SWA MOISES Non-Hazard P O # 098275 9 Relinquished by: Relinquished by: t 0 0

Company:

Received by:

Date/Time:

Company:

Relinquished by:

San Francisco		720-73080	TestAmerica
Pleusanton, CA 94566 phone 925,484,1919 fax 925,600,3002		-	THE LEADER IN ENVIRONMENTAL TESTING
Client Contact	Project Manager; Chris Wells	Site Contact Elizabeth Zernik Date:	COC No:
Sigma Englneering, Inc.	Tel/Fax:	Carrier:	A COC.
Address 2101 Auto Center Drive, Suite 150	Analysis Turnaround Time	(21)	Job No.
City/State/Zip Oxnard, CA 93036 (805) 983 6262 Office Cell 805 358 0166	Calendar (C) or Work Days (W)	Dre Dre	
mail cwells@ TBA an Rafael	2 weeks 1 week 2 weeks 2 weeks 1 week 1 we well well well we well we well we well we well we well we well w	ple starting of the starting o	SDG No.
Sample Identification	Sample Sample Sample Date Time Type Matrix	# 0	Sample Socotice Name
B7 -51 (ARCHIVE) 1	110S 10/0/01		country of the states
87-101 1	10/66 905 SOIL	×	64
\(\frac{1}{2}\)	1940 7-15 SOIL	× ×	
je 85			
5 of			
86			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	OH; 6= Other		
Special Instructions/QC Requirements & Comments:	Poison B Unknown	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Month	ger than 1 month) Months
G			7/
Relinquished by C	Sompany: Date/Tit	Date/Time: 404 Received by: Company: Date/	Date/Time:
Relinquished by:	Company: Date/Til	Received by: Company: D	Dime:
Refinquished by:	Company: Date/Time:	Received by: Company: D	Date/Time:

Login Sample Receipt Check List

Client: Sigma Engineering, Inc.

Job Number: 720-23080-1

Login Number: 23080 List Source: TestAmerica San Francisco

Creator: Mullen, Joan List Number: 1

Question	T / F/ NA Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A
The cooler's custody seal, if present, is intact.	N/A
The cooler or samples do not appear to have been compromised or tampered with.	True
Samples were received on ice.	True
Cooler Temperature is acceptable.	True
Cooler Temperature is recorded.	True
COC is present.	True
COC is filled out in ink and legible.	True
COC is filled out with all pertinent information.	True
There are no discrepancies between the sample IDs on the containers and the COC.	True
Samples are received within Holding Time.	True
Sample containers have legible labels.	True
Containers are not broken or leaking.	True
Sample collection date/times are provided.	True
Appropriate sample containers are used.	True
Sample bottles are completely filled.	True
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True
If necessary, staff have been informed of any short hold time or quick TAT needs	True
Multiphasic samples are not present.	True
Samples do not require splitting or compositing.	True
Is the Field Sampler's name present on COC?	True
Sample Preservation Verified	True

Appendix C Boring Logs 6-Oct-09 Sheet <u>1</u> of <u>1</u>

 Date:
 6-Oct-09

 Project
 098275 (Sears TBA, San Rafael)

 Drilling Co.
 Vironex

Boring Diameter: 1.5" OD Drill Method: Hydropunch

_						Neletetice. <u>See Site Fiah</u>
Elevation (Feet)	Depth (ft)	Graphic Log	PID Reading (ppm)	Sample No.	Completion Detail	GEOLOGIC DESCRIPTION Sampled ByELZ
	0 —				concrete	
	5 — - 10 — - 15 — - 20 — - 25 —				concrete cap grout to 15' bgs	Surface: - 6* asphalt with 6* base Auger refusal at 15; no groundwater encountered Backfilled with grout to 4* bgs; concrete to grade
	30 _					

 Date:
 6-Oct-09

 Project
 098275 (Sears TBA, San Rafael)

 Drilling Co.
 Vironex

Boring Diameter:

3" OD

Drill Method: ____Geoprobe Direct Push

GEOLOGIC DESCRIPTION GEOLOGIC DESCRIPTION GEOLOGIC DESCRIPTION							Reference: see Site Plan
Surface: ~ or aspiration to value of a special with 5 oase 10	Elevation (Feet)		Graphic Log	PID Reading (ppm)	Sample No.	Completion Detail	
agrout to 17 bgs 10 — 0.00 MW2-10 II light brown silt, dry light brown silt, dry light brown silt, dry light brown silt, dry olive gray to medium brown sandy silt with grave! olive gray sandy silt with gravel; auger refusal; trying again olive gray sandy silt with gravel; dark gray silt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4" bgs; concrete to grade		0 —				concrete	Surface: ~ 6" asphalt with 6" base
10 — 0.00 MW2-10		_			l H	cap	
10		_			Ш	grout to	
10 — 0.00 MW2-to II. sight brown to yellow orange silty clay, mottled, dry oilve gray to medium brown sandy silt with gravel oilve gray sandy silt with gravel; auger refusal; trying again oilve gray sandy silt with gravel; auger refusal; trying again oilve gray sandy silt with gravel; dark gray silt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4' bas; concrete to grade					Ш	17 bgs	
10 — 0.00 MW2-to II. sight brown to yellow orange silty clay, mottled, dry oilve gray to medium brown sandy silt with gravel oilve gray sandy silt with gravel; auger refusal; trying again oilve gray sandy silt with gravel; auger refusal; trying again oilve gray sandy silt with gravel; dark gray silt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4' bas; concrete to grade					П		
10 — 0.00 MW2-to II. sight brown to yellow orange silty clay, mottled, dry oilve gray to medium brown sandy silt with gravel oilve gray sandy silt with gravel; auger refusal; trying again oilve gray sandy silt with gravel; auger refusal; trying again oilve gray sandy silt with gravel; dark gray silt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4' bas; concrete to grade							
olive gray to medium brown sandy silt with gravel olive gray sandy silt with gravel; auger refusal; trying again olive gray sandy silt with gravel; olive gray sandy silt with gravel; dark gray silt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4" bgs; concrete to grade		5 —		0.00	l H		light brown silt, dry
olive gray to medium brown sandy silt with gravel olive gray sandy silt with gravel; auger refusal; trying again olive gray sandy silt with gravel; olive gray sandy silt with gravel; dark gray silt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4" bgs; concrete to grade		_			H		
olive gray to medium brown sandy silt with gravel olive gray sandy silt with gravel; auger refusal; trying again olive gray sandy silt with gravel; olive gray sandy silt with gravel; dark gray silt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4" bgs; concrete to grade		_			ΙЦ		
olive gray to medium brown sandy silt with gravel olive gray sandy silt with gravel; auger refusal; trying again olive gray sandy silt with gravel; olive gray sandy silt with gravel; dark gray silt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4" bgs; concrete to grade					Ш		
olive gray sandy silt with gravel; auger refusal; trying again olive gray sandy silt with gravel; olive gray sandy silt with gravel; dark gray silt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4* bgs; concrete to grade							light brown to yellow orange silty clay, mottled, dry
olive gray sandy silt with gravel; auger refusal; trying again olive gray sandy silt with gravel; olive gray sandy silt with gravel; dark gray silt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4* bgs; concrete to grade		_		0.00	MW2 10'		
olive gray sandy sitt with gravel; olive gray sandy sitt with gravel; dark gray sitt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4' bgs; concrete to grade		10 —		0.00	WW 2-10		olive gray to medium brown sandy slit with gravei
olive gray sandy sitt with gravel; olive gray sandy sitt with gravel; dark gray sitt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4' bgs; concrete to grade		_			l H		
olive gray sandy sitt with gravel; olive gray sandy sitt with gravel; dark gray sitt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4' bgs; concrete to grade		_					alive group and wait with group august refugal trying again
dark gray silt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4* bgs; concrete to grade 20— 25— 25— 26— 27— 28— 28— 29— 20— 20— 20— 20— 20— 20— 20— 20— 20— 20					Щ		olive gray sandy siit with graver, auger refusar, trying again
dark gray silt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4* bgs; concrete to grade 20— 25— 25— 26— 27— 28— 28— 29— 20— 20— 20— 20— 20— 20— 20— 20— 20— 20							
dark gray silt, dry; auger refusal 2 times at 17' No groundwater encountered Backfilled with grout to 4* bgs; concrete to grade 20— 25— 25— 26— 27— 28— 28— 29— 20— 20— 20— 20— 20— 20— 20— 20— 20— 20				0.00	MW2-15'		alive gray condy silt with grayely
No groundwater encountered Backfilled with grout to 4* bgs; concrete to grade		15 —		0.00	MIVE 10		olive gray Sandy Silt with graver,
No groundwater encountered Backfilled with grout to 4* bgs; concrete to grade		_			l H		
Backfilled with grout to 4" bgs; concrete to grade 20 — 25 — 25 — - - - - - - - - - - - - -		_		0.00	MW2-17'		
		_			ΙЦ		Backfilled with grout to 4" bgs; concrete to grade
		20 —					
					l H		
		-			l H		
		_			l H		
		_			Ц		
		25 —					
		-			l H		
		_			l H		
30		_			H		
		30					

 Date:
 5-Oct-09

 Project
 098275 (Sears TBA, San Rafael)

 Drilling Co.
 Vironex

 Boring Diameter:
 3" OD

Drill Method: ___Geoprobe Direct Push

								Reference: see Site Plan	
Elevation (Feet)	Depth (ft)	Graphic Log	PID Reading (ppm)	Sample No.		Completion Detail		GEOLOGIC DESCRIPTION Sampled ByELZ	
	0 —				traffic	rated	cover	Surface: ~ 6" asphalt with 6" base	
				- -	-				
	_			-	grout		grout		
	5 —		0.00	_	<u> </u>	blank		dark gray to medium brown gravelly silt; slightly moist	
			0.00					dark gray mottled clay; rust smell with gravel, dry	
					plug		plug		
				-	Piug		p.u.g		
	_			-					
	_				1				
	10 —		0.00	MW3-10'	4			light brown to olive gray silt, dense, slightly moist to dry	
	_				sand		sand		
						well screen			
					1				
	_			-	1				
	_			_	†				
	15 —		0.00	MW3-15'	-			dark gray silt; dry	
	_		0.00	MW3-16'	4			light gray silt; dry	
					<u> </u>			Auger refusal at 16' bgs	
								No groundwater encountered Bottom of well placed at 14.5 ' bgs due to equipment capabilities	
					1			- ,	H
	-			-	†				Н
	20 —				1				H
	_				4				H
	_				1				
					<u> </u>				H
									H
					1				H
	25 —				†				
	_			-	+				H
	_			-	1				Ħ
					1				Н
									H
	20				7				Ħ
	30				1	l			L

 Date:
 5-Oct-09

 Project
 098275 (Sears TBA, San Rafael)

 Drilling Co.
 Vironex

 Boring Diameter:
 3" OD

Drill Method: ____Geoprobe Direct Push

								Reference: see Site Plan
Elevation (Feet)	Depth (ft)	Graphic Log	PID Reading (ppm)	Sample No.		Completion Detail		GEOLOGIC DESCRIPTION Sampled ByELZ
	0 —				traffic	rated	cover	Surface: ~ 6" asphalt with 6" base
	5 —		0.00		grout plug foam	blank	grout plug bridge	greenish gray (possibly discolored) silty clay with gravel
	- 10 — - -		0.00	MW4-10'	sand	well screen screen	sand	brown and green mottled clay with gravel; very slightly moist dark gray clay; slightly moist
	- 15 — -		0.00	MW4-15'	-			medium brown hard pan to tight silt; dry dark gray silty clay; dry to very slightly moist
	- - 20 —		0.00	MW4- 18.5'				olive gray silt with gravel; dry Auger refusal at 18.5' bgs No groundwater encountered Bottom of well placed at 16 ' bgs due to equipment capabilities
	1 1 1							
	25 — - -				† - - - -			
	30							

Sheet $\underline{1}$ of $\underline{1}$ Date:

Project 098275 (Sears TBA, San Rafael) Drilling Co. Vironex

2" OD Drill Method: ____Geoprobe Direct Push Boring Diameter:

Elevation (Feet)	Depth (ft)	Graphic Log	PID Reading (ppm)	Sample No.	Completion Detail	GEOLOGIC DESCRIPTION Sampled ByELZ
	0 —				concrete	Surface: ~ 6" asphalt with 6" base
				-	grout to 22' bgs	Contace. To aspiral will base
	5 —		0.00			light brown silty clay; slightly moist
			0.00			silty clay with some gravel; dry
	10 —		0.00	B1-10'		dark brown clay; moist to slightly saturated
			0.00			light brown silty clay with gravel; dry
	- - 15 —		0.00	B1-15'		yellowish orange silty clay; dry (hard pan)
	20 — - - - -		0.00	B1-20'		light gray gravelly silt; dry to moist gravelly silt; saturated olive gray gravelly sandy clay; saturated Auger refusal at 22 ' bgs Groundwater encountered at ~ 21' bgs
	25 — - - - - - - 30 —			-		

 Date:
 5-Oct-09

 Project
 098275 (Sears TBA, San Rafael)

 Drilling Co.
 Vironex

Boring Diameter:

2" OD

Drill Method: ____Geoprobe Direct Push_____

							Reference: see Site Plan	
Elevation (Feet)	Depth (ft)	Graphic Log	PID Reading (ppm)	Sample No.	Completion		GEOLOGIC DESCRIPTION Sampled ByELZ	
	0 —				concrete	1	Surface: ~ 6" asphalt with 6" base	Ī
	_			-	cap			
	_			-	grout to 23' bgs			
	_			_	20 093			
	_		0.00				Medium brown gravelly clayey silt; dry	
	5 —							
	_			-	† l			
	_							
	_			-				
	_			-	1			
	10 —		1.00	B2-10'			Olive gray clay with some gravel; moist to wet	
]			
							Light brown clay with gravel; slightly moist	
	_						Light brown day wan gravor, diightly mode	
	_			-				
	15 —		0.00	-	†		Hard drilling	H
	_			-	 			
	_			-				
	_							
								Н
	20		0.10				Olive gray gravelly silt; dry	H
	20 —		1.00				Yellowish orange silty clay; slightly moist	H
	_		1.00				Tollowich ordings sing oldy, slightly most	H
	_							Н
	-		0.00	B1-23'			Olive gray gravelly silt; dry	
	_			-			Auger refusal at 23' bgs No groundwater encountered	
	25 —							Ħ
	_							H
								F
					1			F
	_				†			
	30					<u> </u>		

 Date:
 6-Oct-09

 Project
 098275 (Sears TBA, San Rafael)

 Drilling Co.
 Vironex

Boring Diameter:

2" OD

Drill Method: ____Geoprobe Direct Push

							Reference: see Site Plan
Elevation (Feet)	Depth (ft)	Graphic Log	PID Reading (ppm)	Sample No.	Completion	Detail	GEOLOGIC DESCRIPTION Sampled ByELZ
	0 —				conc	rete	Surface: ~ 2" concrete slab with base
	-				ca		
	-				grou 10' l	t to	
	-			-			
	_						
	5 —		25-50	B3-5'			Mottled yellow orange clayey silt with gravel; slightly moist
	-			_			
	_						
	-						olive gray to dark gray silty clay; slightly moist to moist
	_		30.00	B3-10'			
	10 —		30.00	B3-10			olive gray to medium brown silty clay; moist to wet
	-				·		Total depth 10' bgs
	_			-			No groundwater encountered
	-						
	- 1						
	15 —						
	1						
	20 —						
	_						
	_				.		
	25 —						
	_						
	_						
	_						
	_						
	30						

 Date:
 6-Oct-09

 Project
 098275 (Sears TBA, San Rafael)

 Drilling Co.
 Vironex

Boring Diameter: 2" OD Drill Method: <u>Geoprobe Direct Push</u>

							Reference: see Site Plan
Elevation (Feet)	Depth (ft)	Graphic Log	PID Reading (ppm)	Sample No.		Completion Detail	GEOLOGIC DESCRIPTION Sampled ByELZ
	0 —					concrete	Surface: ~ 2" concrete slab with base
	_				1	cap	
	_			-	1	grout to 10' bgs	
	_			-	1		
	_				1		
	5 —		0.00	-	1		mottled yellow orange silty clay; very slightly moist
	_			-	1		
	_			-	1		olive gray silt; very slightly moist
	_				1		
	_						
	10 —		0.00	B4-10'			mottled yellow orange silty clay; slightly moist
	_						Total depth 10' bgs
	_						No groundwater encountered
	_						
	_						
	15 —				↓		
	_				↓		
	_						
	_				<u> </u>		
	_]		
	20 —]		
	_			<u> </u>]		
	_]		
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]		
	25 —]		
]		
]		
	30]		
	· ~ _						

 Date:
 6-Oct-09

 Project
 098275 (Sears TBA, San Rafael)

 Drilling Co.
 Vironex

Boring Diameter: 2" OD Drill Method: __Geoprobe Direct Push

							Reference: see Site Plan	
Elevation (Feet)	Depth (ft)	Graphic Log	PID Reading (ppm)	Sample No.	Completion		GEOLOGIC DESCRIPTION Sampled ByELZ	
	0 —				concrete	1	Surface: ~ 2" concrete slab with base	
	1 1			-	grout to 10' bgs			
	5 —		50.00				light brown silty clay, slightly mottled to orange, slightly plastic; slightly moist	
	10 —		100	B5-10'			yellow orange mottled w/rust silty clay; slightly moist	
	1 1 1			-			No groundwater encountered Total depth 10' bgs	
	15 — - -			-				
	20 — - -			-				
	- 25 — -							
	30							

Sheet $\underline{1}$ of $\underline{1}$

 Date:
 6-Oct-09

 Project
 098275 (Sears TBA, San Rafael)

 Drilling Co.
 Vironex

Boring Diameter: 2" OD Drill Method: Geoprobe Direct Push

							Reference: see Site Plan
Elevation (Feet)	Depth (ft)	Graphic Log	PID Reading (ppm)	Sample No.	Completion	Detail	GEOLOGIC DESCRIPTION Sampled ByELZ
	0 —				con	crete	Surface: ~ 2" concrete slab with base
	_				C	ар	
	_			-	gro 10'	ut to bgs	
	_			F			
	_			H			-
	5 —		0.00	L			light brown to light gray gravelly silt; very slightly moist
			0.00	F			dark gray to dark brown silt
	_						
	_			H			-
	10		0.00	B6-10'			yellowish orange silt to clayey silt; very slightly moist
				L			Total depth 10' bgs
							No groundwater encountered
	_			H			
	_			H			
	15 —			L			
				F			
	-						
	-			H			
	20 —						
							-
	-			H			
	25 —						
	_						
	_						
	_			<u> </u>			
	30						

 Date:
 6-Oct-09

 Project
 098275 (Sears TBA, San Rafael)

 Drilling Co.
 Vironex

Boring Diameter:

2" OD

Drill Method: ____Geoprobe Direct Push_

						Reference: see Site Plan	
Elevation (Feet)	Depth (ft)	Graphic Log	PID Reading (ppm)	Sample No.	Completion Detail	GEOLOGIC DESCRIPTION Sampled ByELZ	
	o 				concrete	Surface: ~ 2" concrete slab with base	
	-			H	grout to 10' bgs		
	5 —		30.00	H		dark gray clay, slightly plastic; slightly moist	
	1					dark gray silty clay; slightly moist	
	10 —		200	B7-10'		yellowish orange mottled silty clay to clayey silt with rust spots; slightly moist	
	-					Total depth 10' bgs No groundwater encountered	
	-						
	15 — –			H			
	-			H			
	- 20 —						
	-						
	- 25 —						
	-						
	-						
	30						

 Date:
 6-Oct-09

 Project
 098275 (Sears TBA, San Rafael)

 Drilling Co.
 Vironex

Boring Diameter:

2" OD

Drill Method: ___Geoprobe Direct Push_

							Reference: see Site Plan	
Elevation (Feet)	Depth (ft)	Graphic Log	PID Reading (ppm)	Sample No.	Completion Detail		GEOLOGIC DESCRIPTION Sampled ByELZ	
	0 —			J	concre	е	Surface: ~ 2" concrete slab with base	T
				-	cap grout t 10' bg			
	5 — -		0.20	-			yellowish orange to dark gray mottled silty clay, slightly plastic; moist	
	-		0.00	-			dark gray silty clay; slightly moist	
	10 — -		0.3	B8-10'			yellowish orange mottled, slightly plastic silty clay; damp to slightly moist Total depth 10' bgs No groundwater encountered	
	- 15 —			-			(Possible background readings noted on PID at 0.1 ppm in Auto Center).	
	1 1 1 1							
	20 — - -			-				
	- 25 —			 - -				
	30							

PARC Services, Inc.

Environmental Solutions

1020 Shannon Court, Livermore, CA 94550 Phone (925) 371-4610 Fax (925) 606-8704

Asbestos Abatement • Lead Paint Removal • Demolition • Hazardous Waste Disposal 24 Hour Emergency Spill Response • Soil Remediation • Microbial Decontamination • Lab Packing

CA Lic. #801810 Hauler Reg #136517 EPA #CAR000244194 DOSH Registration #819

COVER PAGE

Job Book For Hazardous Materials Removal & Disposal The Mall at Northgate – Various Areas San Rafael, CA

Prepared for:

Mr. Aladdin Ghafari

Macerich Management Company 401 Wilshire Blvd., Suite 700 Santa Monica, CA 90401

> Prepared by: PARC Services 1020 Shannon Court Livermore, CA 94550

Project # 3105 Work Authorization No. 1

> Mark Hughes Branch Manager

Report Date: October 8th, 2014

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- 2. Project Data Sheet
- 3. Job Site Roster
- 4. Manifest Log/Manifests
- 5. Worker Licenses, Training, Medical Certificates and Fit Test
- 6. Insurance

Executive Summary & Scope of Work

PARC Services, Inc.

Environmental Solutions

1020 Shannon Court, Livermore, CA 94550 Phone (925) 371-4610 Fax (925) 606-8704

Asbestos Abatement • Lead Paint Removal • Demolition • Hazardous Waste Disposal

24 Hour Emergency Spill Response • Soil Remediation • Microbial Decontamination • Lab Packing

CA Lic. #801810 Hauler Reg #136517 EPA #CAR000164749 DOSH Registration #819

PROPOSAL

614-044

TO: The Macerich Company 401 Wilshire Blvd. Suite 400 Santa Monica, CA

ATTN: Aladdin Ghafari PHONE: (310) 899-6387 FAX: (310) 750-2102

DATE: February 18th, 2014

Job Name: Hazardous Materials Removal & Disposal at the Northgate Mall in San Rafael, CA

PARC Services, Inc., hereinafter designated as PARC, proposes to perform the following scope of work:

<u>Hazardous Materials Handling & Disposal:</u>

Package, transport & dispose of regulated waste from the site to include:

- The provision of accredited Hazardous Waste Operations and Emergency Response (HazWOpER) Technicians at the site to perform all tasks.
- ➤ Appropriate packaging, transport and disposal of the waste identified in the inventory provided.
- > Preparation of all Uniform Hazardous Waste Manifest for this component of the project.
- ➤ All costs associated with transportation and disposal of the waste at an appropriately permitted facility.

<u>Brand</u>	<u>Descr.</u>	<u>amount</u>
complince ultra	floor finish	5 gal, 18.9ltr
acrthane	resilient floor sealer	1 gal, 3.785 ltr
restore def.	carpet extr machine	1 gal, 3.785 ltr
hillyard	seal finish	1 gal, 3.785 ltr
acrathane	flooor sealer	1 gal. 3.8
restore	concentrate defo	1 gal 3.785 litr
butchers spd track	clean vurnish	1 gal 3.785 litr
duc vac wtr proof	sealer	1 gal 3.785 litr
scots tuff	extraction cleaner	1gal 3.78 ltr
genlabs	neutralizer rinse aqgent	1 gal 3.78 ltr
buckeye	slealer finish	1 gal 3.8 litr
bona	floor cleaner	1 gal 3.79 ltr
victor ida tom	super stripper	1gal 3.78 ltr
certified	wt-125; hot water boiler treatmnt	2 gal, 8 ltr
consume	bacteria/digestant/deoderant	1 gal, 3.79 ltr
verulin	water based/acrylic urathane	5 gal
acrathane	floor sealer	1 gal 3.8 litr
spartan sc-200	hvy duty solvent/degreaser	5 gal
royal	all purpose cleaner	1 gal
royal	floor finish	1 gal 3.75 ltr
restore	concentrate defo	1 gal 3.75 ltr
spartan	carpet pre spray/spotter	1 gal 3.79 ltr
royal	hvy duty solvent/degreaser	1 gal
restore	concentrate defo	1 gal 3.75 ltr
acrathane/ national	floor sealer	1 gal 3.75 ltr
trackpite	floor cover	6 gal
parex	cursatone/ floor finish	5 gal
spartan	carpet pre spray/spotter	1 gal 3.79 ltr
all pro	amonia	1 gal 3.785 litr
royal	all purpose cleaner	1 gal
all star	masonary creet treat sealer	1 gal 3.785 litr
restore	concentrate defo	1 gal 3.785 litr
all pro	amonia	1 gal 3.785 litr

all purpose cleaner	1 gal
masonary creet treat sealer	1 gal 3.785 litr
concentrate defo	1 gal 3.785 litr
amonia	1 gal 3.785 litr
resilient floor sealer	1 gal 3.785 litr
solid color stain	5 gal
deformer/capet extraction	1 gal 3.785 litr
concentrate deformer	1 gal 3.785 litr
stainless steel cleaner	1 gal 3.8 litr
stripper	1 gal 3.785 litr
creet floor sealer	1 gal 3.785 litr
carpet shampoo	1 gal
non asid disinfectant-cleaner	5 gal
non asid disinfectant cleaner	5 gal
clear amonia	1 gal 3.785 litr
stripper	1 gal 3.785 litr
floor stripper	1 gal
amonia	1 gal 3.785 litr
non-strip floor care	1 gal
non-strip floor care	1 gal
floor sealer	1 gal 3.8 litr
cleaning/pollishing agent	1 gal
all purpose cleaner	1 gal
prestine carpet care	1 gal
neutral synth cleaner	1 gal
	masonary creet treat sealer concentrate defo amonia resilient floor sealer solid color stain deformer/capet extraction concentrate deformer stainless steel cleaner stripper creet floor sealer carpet shampoo non asid disinfectant-cleaner non asid disinfectant cleaner clear amonia stripper floor stripper amonia non-strip floor care non-strip floor care floor sealer cleaning/pollishing agent all purpose cleaner prestine carpet care

RECYCLE & LANDFILL COMPENSATION: \$ 3,890.00

RECYCLE & INCINERATION COMPENSATION: \$ 4,430.00

PROPOSAL TERMS: All work shall be performed in accordance with State and Federal regulations pertaining to abatement of hazardous materials including transport and disposal of waste. PARC carries liability, workers compensation and auto insurance. Unless otherwise stated, the customer agrees to supply sufficient water and electricity at no cost to PARC; the customer acknowledges that abatement requires the application of tape and agrees that PARC will not be held responsible for tape damage or for repainting; unless otherwise stated this bid is

based on performing the work during regular work hours; PARC shall not be responsible for weather protection or for damages resulting from weather or vandalism; this proposal is subject to change and may be withdrawn if not accepted within 30 days of the above date.

PAYMENT TERMS: Cash forthwith for any portion of work commenced and completed in any one calendar month. Balance of contract price due and payable within 10 calendar days upon completion of PARC's work. Unpaid monies shall be subject to a finance charge of 2% per month. The customer agrees to compensate PARC for any collection-related costs, including reasonable attorney fees, if full payment is not made to PARC. The customer agrees that the court of jurisdiction, for any claim, shall be located in Alameda County.

Acceptea, 2014	PARC Services, Inc.
By:	Approved: Mark fugh
Title:	By: Mark Hughes, Estimator

PARC Services, Inc.

Environmental Solutions

1020 Shannon Court, Livermore, CA 94550 Phone (925) 371-4610 Fax (925) 606-8704

Asbestos Abatement • Lead Paint Removal • Demolition • Hazardous Waste Disposal 24 Hour Emergency Spill Response • Soil Remediation • Microbial Decontamination • Lab Packing

CA Lic. #801810 Hauler Reg #136517 EPA #CAR000164749 DOSH Registration #819

PROPOSAL

614-044 Add 1

TO: The Macerich Company 401 Wilshire Blvd. Suite 400 Santa Monica, CA DATE: April 1st, 2014 ATTN: Aladdin Ghafari PHONE: (310) 899-6387 FAX: (310) 750-2102

Job Name: Added Hazardous Materials Removal & Disposal at the Northgate Mall in San Rafael, CA

PARC Services, Inc., hereinafter designated as PARC, proposes to perform the following scope of work:

Hazardous Materials Handling & Disposal:

The following list of items were packaged and disposed in addition to the materials listed on the inventory sheet:

- 1. Line Item #1 Waste Aerosol Cans (2x5-gallon drums)
- 2. Line Item #4 Toxic Liquids (1x5-gallon drum)
- 3. Line Item #5 Hydrochloric Acid (1x5-gallon drum) /
- 4. Line Item #8 Waste Latex Paint & Related Material (2x55-gallon drums) / While there were items on the inventory sheet that met this waste criteria, the material that was at the site exceeded what was on the inventory sheet. Planned quantities included 15x1 gallon cans and 1x5-gallon can. This original quantity would have fit into 1x55-gallon drum as a loose pack. However because of the additional material identified for disposal, it became necessary to generate an additional 2x55-gallon drums.
- 5. Line Item #9 Waste Oil (1x5-gallon drum)

RECYCLE & INCINERATION COMPENSATION: \$ 977.00

PROPOSAL TERMS: All work shall be performed in accordance with State and Federal regulations pertaining to abatement of hazardous materials including transport and disposal of waste. PARC carries liability, workers compensation and auto insurance. Unless otherwise stated, the customer agrees to supply sufficient water and electricity at no cost to PARC; the customer acknowledges that abatement requires the application of tape and agrees that PARC will not be held responsible for tape damage or for repainting; unless otherwise stated this bid is based on performing the work during regular work hours; PARC shall not be responsible for weather protection or for damages resulting from weather or vandalism; this proposal is subject to change and may be withdrawn if not accepted within 30 days of the above date.

PAYMENT TERMS: Cash forthwith for any portion of work commenced and completed in any one calendar month. Balance of contract price due and payable within 10 calendar days upon completion of PARC's work. Unpaid monies shall be subject to a finance charge of 2% per month. The customer agrees to compensate PARC for any collection-related costs, including reasonable attorney fees, if full payment is not made to PARC. The customer agrees that the court of jurisdiction, for any claim, shall be located in Alameda County.

Accepted	, 2014	PARC Services, Inc.
By:		Approved: Mark flugh
Title:		By: Mark Hughes, Estimator

Project Data Sheet

PROJECT DATA SHEET

CLIENT: Macerich Management Company

Santa Monica, California

MACERICH

REPRESENTATIVES: Mr. Aladdin Ghafari

PROJECT

LOCATION: The Mall at Northgate – Various Spaces

DESCRIPTION OF WORK:

Package, transport & dispose of regulated waste from the site to include:

- ➤ The provision of accredited Hazardous Waste Operations and Emergency Response (HazWOpER) Technicians at the site to perform all tasks.
- ➤ Appropriate packaging, transport and disposal of the waste identified in the inventory provided.
- > Preparation of all Uniform Hazardous Waste Manifest for this component of the project.
- ➤ All costs associated with transportation and disposal of the waste at an appropriately permitted facility.

<u>Brand</u>	<u>Descr.</u>	<u>amount</u>
complince ultra	floor finish	5 gal, 18.9ltr
acrthane	resilient floor sealer	1 gal, 3.785 ltr
restore def.	carpet extr machine	1 gal, 3.785 ltr
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acrathane	flooor sealer	1 gal. 3.8
restore	concentrate defo	1 gal 3.785 litr
butchers spd track	clean vurnish	1 gal 3.785 litr
duc vac wtr proof	sealer	1 gal 3.785 litr
scots tuff	extraction cleaner	1gal 3.78 ltr
genlabs	neutralizer rinse aggent	1 gal 3.78 ltr
buckeye	slealer finish	1 gal 3.8 litr
bona	floor cleaner	1 gal 3.79 ltr
victor ida tom	super stripper	1gal 3.78 ltr
certified	wt-125; hot water boiler treatmnt	2 gal, 8 ltr
consume	bacteria/digestant/deoderant	1 gal, 3.79 ltr
verulin	water based/acrylic urathane	5 gal
acrathane	floor sealer	1 gal 3.8 litr
spartan sc-200	hvy duty solvent/degreaser	5 gal
royal	all purpose cleaner	1 gal
royal	floor finish	1 gal 3.75 ltr
restore	concentrate defo	1 gal 3.75 ltr
spartan	carpet pre spray/spotter	1 gal 3.79 ltr
royal	hvy duty solvent/degreaser	1 gal
restore	concentrate defo	1 gal 3.75 ltr
acrathane/ national	floor sealer	1 gal 3.75 ltr
trackpite	floor cover	6 gal
parex	cursatone/ floor finish	5 gal
spartan	carpet pre spray/spotter	1 gal 3.79 ltr
all pro	amonia	1 gal 3.785 litr
royal	all purpose cleaner	1 gal
all star	masonary creet treat sealer	1 gal 3.785 litr
restore	concentrate defo	1 gal 3.785 litr
all pro	amonia	1 gal 3.785 litr

royal	all purpose cleaner	1 gal
all star	masonary creet treat sealer	1 gal 3.785 litr
restore	concentrate defo	1 gal 3.785 litr
all pro	amonia	1 gal 3.785 litr
national	resilient floor sealer	1 gal 3.785 litr
pro vt	solid color stain	5 gal
restore	deformer/capet extraction	1 gal 3.785 litr
restore	concentrate deformer	1 gal 3.785 litr
complince	stainless steel cleaner	1 gal 3.8 litr
royal	stripper	1 gal 3.785 litr
all star	creet floor sealer	1 gal 3.785 litr
rug pro	carpet shampoo	1 gal
spartan	non asid disinfectant-cleaner	5 gal
spartan	non asid disinfectant cleaner	5 gal
all pro	clear amonia	1 gal 3.785 litr
color care	stripper	1 gal 3.785 litr
royal	floor stripper	1 gal
all pro	amonia	1 gal 3.785 litr
color care	non-strip floor care	1 gal
color care	non-strip floor care	1 gal
all star	floor sealer	1 gal 3.8 litr
cleen master	cleaning/pollishing agent	1 gal
royal	all purpose cleaner	1 gal
color care	prestine carpet care	1 gal
hillyard	neutral synth cleaner	1 gal

ADDED ITEMS BELOW-

- 1. Line Item #1 Waste Aerosol Cans (2x5-gallon drums)
- 2. Line Item #4 Toxic Liquids (1x5-gallon drum)
- 3. Line Item #5 Hydrochloric Acid (1x5-gallon drum) /
- 4. Line Item #8 Waste Latex Paint & Related Material (2x55-gallon drums) / While there were items on the inventory sheet that met this waste criteria, the material that was at the site exceeded what was on the inventory sheet. Planned quantities included 15x1 gallon cans and 1x5-gallon can. This original quantity would have fit into 1x55-gallon drum as a loose pack. However because of the additional material identified for disposal, it became necessary to generate an additional 2x55-gallon drums.
- 5. Line Item #9 Waste Oil (1x5-gallon drum)

CONTRACTOR: PARC Services Inc.

1020 Shannon Court, Livermore, CA 94550

CONSULTANT: There was no Consultant on the project

WORK DURATION: 2 Days

WASTE TRANSPORTOR: PARC Environmental

DISPOSAL LANDFILL: Rho Chem, LLC

425 Isls Avenue, Inglewood, CA 90301

Job Site Roster



Environmental Construction

- Solutions Made Easy

CA Lic. #501913 NV Lic. #0034638 DOSH Registration #19 Hauler Registration #2908 EPA #CAT982507154

24 Hour Emergency Spill Response • Asbestos Abatement • Lead Paint Removal • Hazardous Waste Hauling and Disposal

WORK SITE ENTRY/EXIT LOG

JOB NAME & NUMBER: The Mall at Northgate, Hazardous Materials Removal and Disposal

DATE: March 25th, 2014

EMPLOYEE NAME (PRI	NT)TIME IN/INITIAL	TIME OUT/INITIAL
Tomas Seaney	4:00 a.m.	11:30 a.m.

Manifest Log/Manifests

CERTIFICATE OF TREATMENT, RECYCLING, AND/OR DISPOSAL

Generator: 121106 - THE MACERICH

5800 NORTHGATE MALL SAN RAFAEL CA, 94901

CAD981422736 EPA ID: Customer: 33061 - PARC ENVIRONMENTAL P.O. BOX 10077

FRESNO CA, 93745

Facility: RHO CHEM LLC

425 ISIS AVE.

INGLEWOOD CA, 90301

EPA ID: CAD008364432

Date Received: 04/09/2014

Manifest#: 006590367FLE

Waste Receipt #: RHO-5737H

Order #: 1801138

Line Profile	Material Description	Treatment/ Disposal Description	Final Treatment Disposal Facility	Process Code	Final PSC Manifest Pg	Final Date/ PgLn Shipped
1 631980-00	WASTE AEROSOLS	H141 STORAGE, BULKING, AND/OR TRANSFER OFF-SITE - NO TREATMENT/RECOVERY/BLENDING	ENVIRONMENTAL ENTERPRISES INC	INC02	000137378MWI 8104-14	1 04/29/2014
2 632063-00	WASTE PAINT RELATED MATERIAL	H141 STORAGE, BULKING, AND/OR TRANSFER OFF-SITE - NO TREATMENT/RECOVERY/BLENDING	OPEN TRACKING AT AVA	INC14-D	000159945MWI 8276-14	1 06/20/2014
3 635825-00	WASTE AMMONIA SOLUTIONS	H141 STORAGE, BULKING, AND/OR TRANSFER OFF-SITE - NO TREATMENT/RECOVERY/BLENDING	CLEAN HARBORS ARAGONITE, LLC	INC21	000137353MWI 8097-14	5 04/17/2014
4 605558-08	WASTE TOXIC, LIQUIDS, ORGANIC, N.O.S. (TRICHLOROMONOFLUOROMETHAN E)	WASTE TOXIC, LIQUIDS, ORGANIC, H141 STORAGE, BULKING, AND/OR N.O.S. (TRICHLOROMONOFLUOROMETHAN TREATMENT/RECOVERY/BLENDING E)	OPEN TRACKING AT AVA	INCOB	000159945MWI 8276-14	1 06/20/2014
5 635886-00	WASTE HYDROCHLORIC ACID	H141 STORAGE, BULKING, AND/OR TRANSFER OFF-SITE - NO TREATMENT/RECOVERY/BLENDING	CLEAN HARBORS ARAGONITE, LLC	INC20	000159775MWI 8188-14	7 05/20/2014
6 635884-00	WASTE SODIUM HYDROXIDE SOLUTION	H141 STORAGE, BULKING, AND/OR TRANSFER OFF-SITE - NO TREATMENT/RECOVERY/BLENDING	ROSS INCINERATION	INC21	000159667MWI 8137-14	11 04/30/2014
7 635880-00	NON-RCRA HAZARDOUS WASTE, LIQUID (CLEANERS, WAXES)	H141 STORAGE, BULKING, AND/OR TRANSFER OFF-SITE - NO TREATMENT/RECOVERY/BLENDING	VEOLIA ES TECHNICAL SOLUTIONS	INC14	000137313MWI 8079-14	1 04/11/2014
8631886-00	NON-RCRA HAZARDOUS WASTE LIQUID (LATEX PAINT)	H141 STORAGE, BULKING, AND/OR TRANSFER OFF-SITE - NO TREATMENT/RECOVERY/BLENDING	ROSS INCINERATION	INC14	000159832MWI 8219-14	5 05/27/2014
			OPEN TRACKING AT AVA	INC14	000159945MWI 8276-14	1 06/20/2014
00-0880-00	NON-RCRA HAZARDOUS WASTE, LIQUID (OIL)	H141 STORAGE, BULKING, AND/OR TRANSFER OFF-SITE - NO TREATMENT/RECOVERY/BLENDING	OPEN TRACKING AT AVA	INCO9	000159945MWI 8276-14	1 06/20/2014

110-5737 Please print or type. (Form designed for use on able (12-pitch) typewriter. Form Approved, OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generalor 10 Number Manifest Tracking Hemb 006590367 WASTE MANIFEST CAD981422736 5. Generalor's Name and Mailing Address Northgate Mall Associates Northgate Mall Associates 401 Wijshire Blvd, Siute 700 - Santa Monica, CA 5800 Northgate Dr. San Rafael, CA 94903 Gomentalor's Phone: (310) 394-6000 PAR© Environmental U.S. EPAID Number U.S. EPAID Number PSC Environmental Service of Pomona, LP Rho Chem, LLC 425 Isls Avenue, Inglewood, CA 90301 (800) 870-6233 CAD008364432 9b: U.S. DOT Description (including Proper Shipping Nonto, Hezerd Class, ID Number, 10. Containers 11, Total 12, Ugit und Packing Group (if any)) 13. Waste Codes HM Nb. Ovenilly WI-Blok Тура UN1950, Waste Aerosols, Flammable (Aerosol Cans), 2.1 GENERATOR 000 (ERG#126) 2 DF .30 UN1263, Waste Paint Related Materials, (Loose Pack), 3, Po 464 000 H (ERG#128) 1 DN 125 Waste Ammonia Solutions, 8, UN2672, PGIII:(ERG#154) D00 2 DF 8 G WillerD, Waste Toxic Liquids, Organic, n.o.s., (Unspecified **6**64 Toxie Liquids), 6.1, PGII (ERG#153) 1 DE Michil Landing Instructions and Additional Information 14. Special Carding Astroclore and Additional Information
1. White Additionals, PROFILE # \$57571-00 (2016 ato)
2. Flatter Additional Profit Related Materiel, PROFILE # 622083-00. (1256 o/t)
3. Matter Attention & Sociation, PROFILE # 662083-00. (1256 o/t)
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DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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25. Transporter Company Name				U.S. EPAID	Number			
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6 UN1824, Wasia Sodium (ERG#154)	Hydroxide: Solution, 8, PGII	1	DF	18	G	122	2561	130
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\ .	esta liquid (Latex Paint Loose Pac	3	DAS	425	P	343		
	iaste, Liquid (Oil) (ERG#171)	1	DF	1	G	343		
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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

| UNIFORM HAZARDDIS | 1. Generator ID Number

Form Approved, OMB No. 2050-0039

Î	UNIFORM HAZARDOUS 1. Generator ID Number 2. Page 3 of 3. Em WASTE MANIFEST CAD981422736 2. Generator's Name and Mailing Address Generator's Name and Mailing Address	(800) 954		0 0 n mailing addres	659	036	<u>7 F</u>	LE
	Northgate Mall Associates 401 Wilshire Blvd, Siute 700 - Santa Monica, CA Generator's Phone: (310) 394-6000 6. Transporter I Company Name	Northgat 5800 No San Rafe	e Mall A	ssociate Dr.	es	***************************************	-1403	
	PARC Environmental 7. Transporter 2 Company, Name		E	U.S. EPAID 6	CAT	98250	7154	***************************************
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	8. Designation action via me and sale via via via via via via via via via via			52,672 841 1 (162-)	eumoue			
	425 Isls Avenue, Inglewood, CA 90301 Facility's Phone: (800) 870-6233			1	CAF	96896	OCAN	
	9a. 9b. U.S. DOT Description (Including Proper Shipping Namo, Hazard Class, ID Number, and Packing Group (If any))	10. Contai No.	ners Type	11, Total Quantity	12. Unit. WL/Vol.		/aste Codes	>
GENERATOR -	UN1950, Waste Aerosols, Flammable (Aerosol Cans), 2.1 (ERG#126)	2	DF	30	P	331	-D001	
- GENE	UN1263, Waste Paint Related Materials, (Loose Pack), 3, P. II. (ERG#128)	1	DM	125	Р	-464	D 001	Ę
100	Waste Ammonia Solutions, 8, UN2672, PGIII (ERG#154)	2	DF	. 8	G	122	DCO	
	UN2810, Waste Toxic Liquids, Organic, n.o.s., (Unspecified Toxic Liquids), 8.1, PGII (ERG#153)	1	DF	1		-654		
	14. Special Handling instructions and Additional Information 1. Waste Addresols, PROFILE # 251511-00 (285 s/o) 2. Flammable Paint Related Material, PROFILE # 632063-00, (1x55 o/t) 3. Waste Ammonta Solution, PROFILE # 655-65 (1x5 s/o) (2 x 5 s/o) 6 3335-00 4. Toxic United PROFILE # 665-65 (1x5 s/o) LOSE559-08 15. GENERATOR S/OFFEROR'S CERTIFICATION: Thereby declare that the contents of this consignment are fully marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable integrated, footify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment.	and accurately desemble and national and nat	cken Equipme g the maketak manifest, scribed abovo t onal governme	ot (F1E) con this: P g the proper shi ntal regulations:	pping name,	ing: 545 and more age ment and it in	fied, packa	
A Annual Control	Leftlig the the waste minimization statement identified in 40 CFR 262:27(a) (if 1 em a large quantity generator) of Generators of the supplied	λ .	V				Div Ciclo	Year
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¥ .	Transporter algorithm (Tito exports only): 17. Transporter Acknowledgment of Roceipt of Materials.	Dato leaki	ур. U.S ::	·		67 (A)	Lower of the	
No.	THOMAS SEAVEY		7				25	
N.S.	Transported 2 Philippolity poed Name) ANTHUR GONZALES Signature Signature	sthey	Gmy	4		Mont 0	1 July 102	19
5 S	18: Discrepancy Indication Space Quantity Type	Trastava		Paylot Rejo	ection	, []]Full Röjöi	noite
	Neb-Allématé Facility (or Generator)	tanilost Référence	Number:	U.S. EPA ID N	umber	· / ··· ·······························	t-dudushna-	
3	Facility's Phone:		•	ŀ ·				
1018	Age: Signature of Atlornato Facility (or Generator)			.*		Mont	h Day	Year
SI C	19 Hhzardous Waste Report Management Mothod Codes (i.e., codes for hazardous waste-treatment, disposal, and re-	cycling systems)	······································	17				
	HIW BIN	MIY	4	4,	HIC	41		
	20) Beskynalod Fricilly, Cymar o'r Operator: Cerlificallon of receipt of hazardous materials covered by the manifest exce Princial Typed Name Signature Signature	pt as noted in Hem	1100		***************************************	Mont	10	14
PA	Form 8700-22 (Rev. 3-05). Previous editions are obsolete.	DESIG	NATED FA	CILITY TO D	ESTINAT	ON STAT	È (IF REC	QUIRED)

Please	print or type. (Form designed for use on elite	(12-plich) typewriter.)		r == == ==			Approved	, OMB No. 2	050-0039
↑ UI	IFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number CAD981422736	22. Page 2 of 2		st Tracking Nun		90367	•	
24	Northgate Mall Associ	ates te 700 - <mark>Santa M</mark> onica, CA 90	401						
25	. Transporter Company Name				U.S. EPA ID N	łumber			
26	. Transporter Company Name				U.S. EPAID N	งุ่นภายอะ		······································	
27	27b, U.S. DOT Description (including Proper Shi	pping Name, Hazard Class, ID Number,	28. Contain	[29, Total	30. Unit	31,	Wasie Codes	
HM		hloric Acid, 8, PGII (ERG#157)	No.	Туре	Quantity	WCJVOI.	791	D002	
	X		1	DF	5	G			,
	⁶ UN1824, Waste Sodium (ERG#154)	Hydroxide Solution, 8, PGII	1	DF	18	G	122	2564	D00
	Non RCRA, Hazardous Mixture)	Waste, Liquid, (Cleaners & Wax	1	DF	33	G	343		
GENERATOR —	8 Non-RCRA hazardous v	waste liquid (Latex Paint Loose Pack	3	DM	425	P	343		
GENE	9 Non-RCRA, Hazardous	Waste, Liquid (Oil) (ERG#171)	1	DF	1	G	343		
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3678	Sedum Hydroxide Lieula, PROFILE Cleaners & Wex Mixture, PROFILE Latex Paint PROFILE # 631886 Waste Off. PROFILE # 635885	538, -00. (1x5 10. Contaminated Debri #63584-00 -05 (3 x 55 of) -05 (3 x 55 of)	s & PPE. PRO	OFILE #	605543		Job#:	54574	
22	Transporter Acknowledgment of Receipt of nted/Typed Name						Mo	inth Day	Year
- 88 - 8	Manual Control of the				<u> </u>				
	Transporter Acknowledgment of Receipt of nted/Typed Name	Materials Signature			×			onth Day	Yoar
DESIGNATED FACILITY	Discrepancy								
GNATED	Hazardgus, Waste Report Management Melhod Co	des (i.e., codes for hazardous waste treatment, disposal, and re	cycling systems)	Mu	٧(H	41	
DESI	Mu					1		-	

Worker Licenses, Training, Medical Certificates and Fit Test



This is to certify that

Thomas H. Seaney

has successfully completed an OSHA designated course in

Asbestos Contractor Supervisor Refresher

as required under TSCA Title II

3/1/2014 Class Date(s) CA-001-04

OSHA Number

David Esparza - President

3/1/2015

Certificate Number

131466

Expiration Date

2040 Peabody Road Vacaville, CA 95687 Phone (800) 359-4467

Fax (707) 446-9072

PARC Environmental Contractors - Safety Manual Section 1-25

RESPIRATOR FIT TEST FORM

Employee being tested:	THOMAS SEANET
Social Security number:	600-48-4603
Employee's signature:	
Type of test:	Qualitative
Type of test.	Quantitative Qualitative
	✓ 1/2 face negative pressure □ Full face negative pressure
Type of respirator:	Full face PARR (in negative pressure mode)
Type of respirator.	Full Face positive Pressure supplied Air (in negative pressure mode)
	other (list)
Buand of recoirestons	
Brand of respirator:	✓ North Survive Air Racal other (list)
Model number:	7700
Size of respirator:	small medium large NA (1 size only)
Size of respirator.	Small ✓ medium ☐ large ☐ NA (1 size only)
Result of test:	pass
	y protection is needed and where and when it shoud be used.
	irator properly and how to clean and inspect it. and restrictions of the respirators that I will be using.
 I understand that a good fa 	ce seal cannot be achieved with obstruction such as facial hair or glasses.
	nses when worn with a full face PAPR can damage your eyes.
Employee to initial that they have	ve read and understood the above
	· · · · · · · · · · · · · · · · · · ·
Tested By: Ali Martinazzi	Date tested: 2 / 28 / 19 Time: /0:00 Am
O. A. a.a. CT	
Signed: ULVVU	Location: PARC Shop

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Conditions of Certification

This individual meets the requirements of the State of California, Department of Public Health (CDPH), to perform lead-related construction. CDPH may suspend or revoke certification for:

- 1. any false statement in the application (for certification);
- 2. violations of relevant local, state or federal statutes or regulations;
- 3. misrepresentation, failure to disclose relevant facts, fraud, or issuance by mistake; or
- 4. failure to comply with any relevant regulation or order of the Department.

This certificate was issued by the Department of Public Health as authorized by 17 CCR 35001 et seq., and is non-transferable.

To verify authenticity call (800) 597-LEAD or 510-620-5600

03187233





TOTAL OCCUPATIONAL HEALTH SERVICES

222 West Shaw Ave Fresno California 93704 Clinic 559-222-9200 Fax 559-222-9201

Screening Status Report

Employee Name _	Thomas	Seaney		
Company Name	Parc	Environme	ntal	
SSN	600	1 48	1	4603
Date of Service	7 /	17 /	14	
Pre-Placement/ Post-Offer M DOT/CMV Medical Clearance Return to Work Clearance Asbestos Clearance Return to Work Clearance Return to Work Clearance Return to Work Clearance Agility Test Post Offer Testing BTE Post Offer Testing Comments	rance	Complete nce	Pass	Pending Fail
Audiometry Lab Work TB PPD / Chest X-Ray				
Mask Fit Test Spirometry Test Chest Xray 2 View / 4View. EKG Test				*
Drug Tests Rapid Urine Rapid Saliva COC/CCF Urine Collection Hair Collection Breath Alcohol Test	1			
Provider Signature	My	Y	Date	= 7/17/14



Respiratory Medical Clearance

	Employee Name: Thomas SEANET SSN # (200 - 48 - 4603 Employer: PARC ENVIRONMENTAL Date: 7/17/4
Yes NO	
	Employee has been medically cleared to wear Respiratory Protection as set forth in 29CFR 1910.134 or CCR Title Section 5144 (f)
	Comments:
	Employee has had an opportunity to ask questions of the PLHCP
	Employee has been notified and is aware of his/her status by the PLHCP
The Followin	g Diagnostic Tests where utilized in the determination by the PLHCP
	Spirometery Chest X-Ray EKG Other:
PLHCP:	Date: <u>א (ווען</u>
[Mc	edical Clearance Must Be Done Initially & Annually for Compliance]



TOTAL OCCUPATIONAL **HEALTH SERVICES**

"WET READ" REPORT
NAME: Thomas Soanay
SOCIAL SECURITY NUMBER: 600.48.4003
DATE OF EXAM: 7/17/14
EMPLOYER: PARC Environmental
REASON FOR EXAM: A SOCOSTO FORDERUNO
EXAM PERFORMED: [] 1v Chest [] 2v Chest [] 3v LS Spine [] 5v C Spine [] Other:
RESULTS: 284rs Old 54rc expo.
Normal Exam Abnormalities Noted – Please see comments below:
COMMENTS:
H. Tobkoian, MD hereby grant permission to Palm Medical Group to release the results of my x-ray to my health care provider. In the case of screening for employment or pre-employment, I authorize Palm Medical Group to release the X-ray results to my employer or prospective employer and/or their authorized health care professionals.
Signature 7/17/19 Date

222 West Shaw Ave. Fresno, CA 93704 Telephone: 559-222-9200 Fax: 559-222-9201 www.palmmedical.com

Insurance

Client#: 742195 PARCHOLD

ACORD.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 1/17/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES RELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED PRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

mil ORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT Ana Bello				
Hub International	PHONE (A/C, No, Ext): 310-568-5977 (A/C	(C, No):			
HUB Int'l Insurance Serv. Inc. 6701 Center Dr West #1500	E-MAIL ADDRESS: ana.bello@hubinternational.com				
1 4 1 04 00045	INSURER(S) AFFORDING COVERAGE NAIG				
Los Angeles, CA 90045	INSURER A: Starr Indemnity & Liability Com 38318				
INSURED	INSURER B: Federal Insurance Company	20281			
PARC Services Inc. 1020 Shannon Court	INSURER C:				
	INSURER D:				
Livermore, CA 94550	INSURER E:				
	INSURER F:				

CO	VERAGES CER	TIFICATE	NUMBER:			REVISION NUMBER:	
	HIS IS TO CERTIFY THAT THE POLICIES						
INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS							
CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS							
E	CLUSIONS AND CONDITIONS OF SUCH	POLICIES	S. LIMITS SHOWN MAY HAVE BEEN	REDUCED I	BY PAID CLAI	MS.	
NSR LTR	TYPE OF INSURANCE	ADDL SUBR		POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	S
Α	GENERAL LIABILITY		SISIEIL70145414	01/01/2014	01/01/2015	EACH OCCURRENCE	\$1,000,000
	X COMMERCIAL GENERAL LIABILITY					DAMAGE TO RENTED PREMISES (Ea occurrence)	\$300,000
	CLAIMS-MADE X OCCUR					MED EXP (Any one person)	\$25,000
	X Contractor Pollution					PERSONAL & ADV INJURY	\$1,000,000
	X Professional Liab					GENERAL AGGREGATE	\$2,000,000

BODILY INJURY (Per person) X ANY AUTO ALL OWNED AUTOS SCHEDULED BODILY INJURY (Per accident) \$ AUTOS NON-OWNED AUTOS PROPERTY DAMAGE (Per accident) X HIRED AUTOS XMCS-90 A **UMBRELLA LIAB** SISIXNV71072314 01/01/2014 01/01/2015 EACH OCCURRENCE **OCCUR** \$10,000,000 X EXCESS LIAB CLAIMS-MADE \$10,000,000 **AGGREGATE**

B WORKERS COMPENSATION AND EMPLOYERS' LIABILITY
ANY PROPRIETOR/PARTNER/EXECUTIVE
OFFICER/MEMBER EXCLUDED?
(Mandatory in NH)
If yes, describe under DESCRIPTION OF OPERATIONS below

01/01/2014
01/01/2015
X WC STATUTORY LIMITS
E.L. EACH ACCIDENT
\$1,000,000
E.L. DISEASE - POLICY LIMIT
\$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Re: Any and all abatement projects at Fresno Fashion Fair Mall, 755 East Shaw Avenue, Fresno, CA 93726 The Macerich Company is added as an additional insured with respects to the Commercial General Liability, Contractors Pollution Liability and Auto Liability.

SISIPCA08281414

CE	DT	ICI	CA	TE	HO	LDEF	•
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GEN'L AGGREGATE LIMIT APPLIES PER:

RETENTION \$

LOC

X POLICY

AUTOMOBILE LIABILITY

The Macerich Company 401 Wilshire Blvd., Suite 700 Santa Monica, CA 90401-0000

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Dake Classac

PRODUCTS - COMP/OP AGG \$2,000,000

\$1,000,000

01/01/2014 01/01/2015 COMBINED SINGLE LIMIT (Ea accident)

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations		
Where Required By Written Contract			
nation required to complete this Schedule, if not sho	wn above, will be shown in the Declarations.		

- A. Section II Who is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:
 - 1. Your acts or omissions; or
 - The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

- The insurance afforded to such additional insured only applies to the extent permitted by law; and
- If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

- All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
- 2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

C. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or

2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations
Where Required By Written Contract	
Information required to complete this Schedule, if not s	shown above, will be shown in the Declarations.

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

- The insurance afforded to such additional insured only applies to the extent permitted by law; and
- If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

- 1. Required by the contract or agreement; or
- 2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED INSURED

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM GARAGE COVERAGE FORM MOTOR CARRIER COVERAGE FORM TRUCKERS COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

This endorsement identifies person(s) or organization(s) who are "insureds" under the Who Is An Insured Provision of the Coverage Form. This endorsement does not alter coverage provided in the Coverage Form.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Endorsement Effective: 01/01/2014	Countersigned By:						
Named Insured: Professional Asbestos Removal Corporation	(Authorized Representative)						
SCHEDULE							
Name of Person(s) or Organization(s):							
(If no entry appears above, information required to co	mplete this endorsement will be shown in the Declarations						

as applicable to the endorsement.)

Each person or organization shown in the Schedule is an "insured" for Liability Coverage, but only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured Provision contained in **Section II** of the Coverage Form.



Dallas, TX 1-866-519-2522

Primary and Non-contributory, Additional Insured and Waiver of Subrogation

Policy Number: SISIEIL70145414 Effective Date: 1/1/2014 at 12:01 A.M.

Named Insured: PROFESSIONAL ASBESTOS REMOVAL CORPORATION

This endorsement modifies the insurance coverage form(s) listed below that have been purchased by you and evidenced as such on the Declarations page. Please read the endorsement and respective policy(ies) carefully.

Commercial General Liability Coverage Form
Owners and Contractors Protective Liability Coverage form
Products/Completed Operations Liability Coverage Form
Contractors Pollution Liability Coverage Form
Professional Liability Coverage Form
Site Pollution Liability Coverage Form

SCHEDULE

All as required by written, signed or executed contract.

- A. SECTION II WHO IS AN INSURED is amended to include as an insured the person or organization shown in the schedule of this endorsement, but only with respect to liability arising out of "your work" for that insured by or for you.
- **B.** As respects additional insureds as defined above, this insurance also applies to "bodily injury" or "property damage" arising out of your negligence when the following written contract requirements are applicable:
 - Coverage available under this coverage part shall apply as primary insurance. Any other insurance available
 to these additional insured's shall apply as excess and not contribute as primary to the insurance afforded by
 this endorsement.
 - 2. We waive any right of recovery we may have against these additional insured's because of payments we make for injury or damage arising out of "your work" done under a written contract with the additional insured.
 - 3. The term insured is used separately and not collectively, but the inclusion of more than one insured shall not increase the limits or coverage provided by this insurance.

Insureds and Agents are advised that certificates of insurance should be used only to provide evidence of insurance in lieu of an actual copy of the applicable insurance policy. Certificates should not be used to amend, expand or otherwise after the terms of the actual policy.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

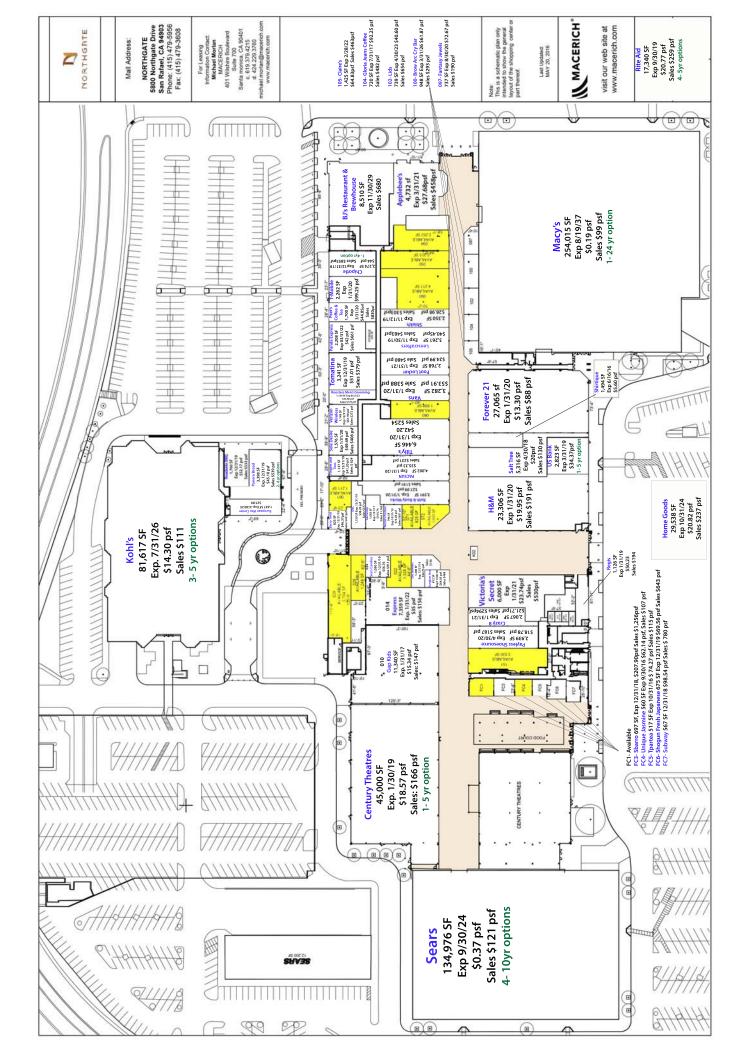
Signed for STARR INDEMNITY & LIABILITY COMPANY

Charles H. Dangelo. President

Vehemiah F. Ginsburg, General Counsel

OG - 023 (06/11)

Page 1 of 1







Contact Information for

TEAM CONTACT INFORMATION

Contact <u>Title</u> <u>Location</u>

Primary Contacts and Sales

Don Hallman Sr. Vice President, National Accounts 888 S. Figueroa Street, Suite 2100 Los

Executive/Commercial Services/Major Angeles, CA 90017

Accounts Tel: 213.330.3048/Cell: 818.203.4723

DHallman@cltic.com

Title Coordination

Mai Ly Marsh AVP, Sr. National Title Coordinator/ 888 S. Figuero Street., Ste 2100

Commercial Services Los Angeles, CA 90017

TEL(213-330-3071

mmarsh@cltic.com

Diana Magana Assistant National Title Coordinator/

Commercial Services

Diana.magana@cltic.com

Escrow / Closer

Mai Ly Marsh AVP, Sr. Escrow Officer/ Commercial 888 S. Figuero Street., Ste 2100

Services

Los Angeles, CA 90017

TEL(213-330-3071

mmarsh@cltic.com

Diana Magana Assistant to Mai-Ly Marsh

Diana.magana@cltic.com

National Counsel

William Shebesta National Commercial Manager/ 888 S. Figueroa Street, Suite 2100 Los

Underwriting Counsel Angeles, CA 90017 Tel: 213.330.3049

WShebesta@cltic.com

COMMITMENT FOR TITLE INSURANCE

Issued by

Commonwealth Land Title Insurance Company

Commonwealth Land Title Insurance Company, a Nebraska corporation ("Company"), for a valuable consideration, commits to issue its policy or policies of title insurance, as identified in Schedule A, in favor of the Proposed Insured named in Schedule A, as owner or mortgagee of the estate or interest in the land described or referred to in Schedule A, upon payment of the premiums and charges and compliance with the Requirements; all subject to the provisions of Schedules A and B and to the Conditions of this Commitment.

This Commitment shall be effective only when the identity of the Proposed Insured and the amount of the policy or policies committed for have been inserted in Schedule A by the Company.

All liability and obligation under this Commitment shall cease and terminate 6 months after the Effective Date or when the policy or policies committed for shall issue, whichever first occurs, provided that the failure to issue the policy or policies is not the fault of the Company.

The Company will provide a sample of the policy form upon request.

IN WITNESS WHEREOF, Commonwealth Land Title Insurance Company has caused its corporate name and seal to be affixed by its duly authorized officers on the date shown in Schedule A.

Countersigned:

COMMONWEALTH LAND TITLE INSURANCE COMPANY

Malalie Bombasdie.

Authorized Officer or Agent



By:

| Com/MulurL
| Randy Quirk, President

Attest

81C101 (6/06) ALTA Commitment – 2006



COMMITMENT FOR TITLE INSURANCE

Issued by

Commonwealth Land Title Insurance Company

SCHEDULE A

Name and Address of Title Insurance Company: Commonwealth Land Title Company

Los Angeles, CA 90221

Order No.: **09170504-917-MCM-JM0**

Title Officer: **Jeff Martin**

Email: jeff.martin@fnf.com Phone No.: (925) 288-8062

1. Effective Date: October 19, 2016

- 2. Policy or Policies to be issued:
 - a. ALTA Extended Owner's Policy of Title Insurance (6-17-06)

Proposed Insured: To Be Determined

Liability: To Be Determined

3. The estate or interest in the land described or referred to in this Commitment is:

A FEE

4. Title to the estate or interest in the land is at the Effective Date vested in:

Northgate Mall Associates, a California General Partnership

5. The land referred to in this Commitment is situated in the County of Marin, State of California, and is described as follows:

As Fully Set forth on Exhibit A attached hereto and by this reference incorporated herein.



Order No.: 09170504-917-MCM-JM0

EXHIBIT A

LEGAL DESCRIPTION

All that certain real property situated in the City of San Rafael, County of Marin, State of California, described as follows:

City of San Rafael

BEGINNING at a point on the Easterly boundary of Northgate Drive, as shown on that certain map entitled "Map of Northgate Regional Shopping Center", recorded September 10, 1963 in Volume 12 of Maps at Page 19, Marin County Records, which point is the Southerly terminus of the course "N 32° 00' 00" E. 294.85", as shown on said map; thence along the boundaries of Northgate Drive, of Las Gallinas Avenue and of Los Ranchitos Road, as shown on said map, the following courses and distances: North 32° 00' 00" East, 294.85 feet; thence along a curve to the left, whose center bears North 58° 00' 00" West, having a radius of 1304.00 feet through a central angle of 37° 43' 06", a distance of 858.44 feet; thence along a curve to the right, whose center bears North 84° 16' 54" East, having a radius of 30.00 feet through a central angle of 109° 13' 06", a distance of 57.19 feet; thence South 76° 30' 00" East 10.81 feet; thence along a curve to the right, whose center bears South 13° 30' 00" West, having a radius of 427.89 feet through a central angle of 19° 47' 56", a distance of 147.86 feet; thence South 56° 42' 04" East 32.12 feet; thence along a curve to the left, whose center bears North 33° 17' 56" East, having a radius of 730.04 feet, through a central angle of 26° 24' 46", a distance of 336.54 feet; thence South 83° 06' 50" East, 330.92 feet; thence along a curve to the right, whose center bears South 6° 53' 10" West, having a radius of 170.01 feet through a central angle of 83° 00' 21", a distance of 246.30 feet; thence South 0° 06' 29" East, 102.13 feet; thence South 0° 04' 50" West 112.63 feet; thence along a non-tangent curve to the right whose center bears South 89° 50' 48" West, having a radius of 970.00 feet, through a central angle of 29° 33' 10", a distance of 500.32 feet; thence South 29° 23' 52" West, 100.00 feet; thence along a non-tangent curve to the left, whose center bears South 60° 35' 50" East, having a radius of 780.00 feet through a central angle of 43° 51' 22", a distance of 597.04 feet; thence South 14° 28' 26" East, 100.65 feet; thence along a curve to the right, whose center bears South 75° 31' 34" West, having a radius of 50.00 feet through a central angle of 89° 59' 48", a distance of 78.54 feet; thence South 75° 31' 22" West 518.22 feet; thence along a curve to the right, whose center bears North 14° 28' 38" West, having a radius of 224.00 feet through a central angle of 85° 18' 00" a distance of 333.48 feet; thence along a curve to the left, whose center bears South 70° 49' 22" West, having a radius of 291.67 feet through a central angle of 38° 49' 22" a distance of 197.63 feet; thence North 58° 00' 00" West, 65.94 feet and thence along a curve to the right, whose center bears North 32° 00' 00" East, having a radius of 446.00 feet through a central angle of 90° 00' 00" a distance of 700.58 feet to the POINT OF BEGINNING.

EXCEPTING THEREFROM that portion of said land as described in the Deed to the City of San Rafael, dated November 15, 1984 and recorded January 11, 1985 as Instrument No. 85001287, Marin County Records, and more particularly described as follows:

BEGINNING at a point on the Southerly boundary of Las Gallinas Avenue, as shown on that certain map entitled "Map of Northgate Regional Shopping Center", recorded September 10, 1963 in Volume 12 of Maps at Page 19, Marin County Records, at the Westerly terminus of the course shown as "South 76° 30' 00" East, 10.81 feet", on said map (12 RM 19); thence along said Southerly boundary of Las Gallinas Avenue (12 RM 19) the following courses and distances: South 76° 30' 00" East 10.81 feet; thence Southeasterly along a curve to the right, tangent to the preceding course, having a radius of 427.89 feet through a central angle of 19° 47' 56", an arc length of 147.86 feet; thence South 56° 42' 04" East, 32.12 feet and thence Southeasterly along a curve to the left, tangent to the preceding course, having a radius of 730.04 feet through a central angle of 16° 00' 00", an arc length of 203.87 feet; thence leaving said Southerly boundary (12 RM 19) North 72° 42' 04" West, 71.15 feet; thence Northwesterly along a curve to the right, tangent to the preceding course, having a radius of 481.90 feet through a central angle of 16° 00' 00", an arc length of 134.57 feet; thence North 56° 42' 04" West, 32.12 feet; thence Northwesterly along a curve to the left, tangent to the preceding course, having a radius of 417.89 feet through a central angle of 19° 47' 56", an arc length of 144.40 feet; thence North 76° 30' 00" West, 17.91 feet; thence Westerly along a curve to the left, tangent to the preceding course, having a radius of 22.48 feet through a central angle of 109° 13' 06", an arc length of 42.85 feet to the point of reverse curve on the Easterly boundary of Northgate Drive, as shown on said map (12 RM 19); thence along said Easterly boundary of Northgate Drive (12 RM 19) Northerly along a curve to the right, whose center bears North 84° 16' 54" East, having a radius of 30.00 feet through a central angle of 109° 13' 06", an arc length of 57.19 feet to the POINT OF BEGINNING.

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EXHIBIT A (Continued)

ALSO EXCEPTING THEREFROM that portion of said land as described in the Deed to the City of San Rafael, dated November 15, 1984, recorded January 11, 1985 as Instrument No. 85001288, Marin County Records, and more particularly described as follows:

BEGINNING at a point on the Westerly boundary of Los Ranchitos Road, as shown on the "Map of Northgate Regional Shopping Center", recorded September 10, 1963 in Volume 12 of Maps at Page 19, Marin County Records; at the Northerly terminus of the course shown as "South 29° 23' 52" West, 100.00 feet" on said map (12 RM 19); thence along said Westerly boundary of Los Ranchitos Road (12 RM 19) South 29° 23' 52" West, 100.00 feet and thence Southwesterly along a curve to the left, whose center bears South 60° 35' 50" East, having a radius of 780.00 feet through a central angle of 3° 31' 22", an arc length of 47.96 feet; thence leaving said Westerly boundary (12 RM 19) Northeasterly along a curve to the left, whose center bears North 64° 07' 12" West, having a radius of 32.00 feet through a central angle of 24° 34' 59", an arc length of 13.73 feet; thence Northeasterly along a reverse curve to the right, whose center bears South 88° 42' 11" East, having a radius of 48.00 feet through a central angle of 21° 45' 26", an arc length of 18.23 feet; thence North 23° 03' 15" East, 43.20 feet; thence Northeasterly along a curve to the right, tangent to the preceding course, having a radius of 100.00 feet through a central angle of 16° 40' 58", an arc length of 29.12 feet; thence North 39° 44' 13" East, 24.02 feet; thence Northeasterly along a curve to the right, tangent to the preceding course, having a radius of 58.00 feet through a central angle of 12° 41' 56", an arc length of 12.86 feet; thence Northeasterly along a reverse curve to the left, whose center bears North 37° 33' 51" West, having a radius of 42.00 feet, through a central angle of 23° 27' 17", an arc length of 17.19 feet to said Westerly boundary of Los Ranchitos Road (12 RM 19); thence along said Westerly boundary (12 RM 19), Southwesterly along a curve to the right, whose center bears North 61° 01' 08" West, having a radius of 970.00 feet through a central angle of 0° 25' 06", an arc length of 7.08 feet to the POINT OF BEGINNING.

APN: 175-060-12, 175-060-40, 175-060-59, 175-060-61, 175-060-66 & 175-060-67



Order No.: 09170504-917-MCM-JM0

SCHEDULE B - SECTION I

REQUIREMENTS

The following are requirements to be complied with:

1. Instrument creating the estate or interest to be insured must be executed and filed for record, to wit:

To Be Determined

- 2. Pay the full consideration to, or for the account of, the grantors or mortgagors.
- 3. Pay all taxes, charges, assessments, levied and assessed against subject premises, which are due and payable.
- 4. Satisfactory evidence should be had that improvements and/or repairs or alterations thereto are completed; that contractor, sub-contractors, labor and materialmen are all paid; and have released of record all liens or notice of intent to perfect a lien for labor or material.
- 5. Original note, deed of trust and properly signed request for full reconveyance, or the executed full reconveyance for the deed of trust shown as Item No. To Be Determined.
- 6. Pay the demand(s) of Item No. To Be Determined.
- 7. Prior to close of escrow, please contact the Tax Collector's Office to confirm all amounts owing, including current fiscal year taxes, supplemental taxes, escaped assessments and any delinquencies.
- 8. If the entity named below does NOT operate under the Uniform Partnership Act, the Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance from:

Name: Northgate Mall Associates, a California General Partnership

- a) A complete copy of the partnership agreement and all amendments thereto
- b) If less than all partners are executing documents, furnish evidence of the signing partners' authority, unless the authority is granted in the above-referenced agreements.

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

9. The Company will require that an Owner's Affidavit be completed by the party(s) named below before the issuance of any policy of title insurance.

Party(s): Northgate Mall Associates, a California General Partnership

The Company reserves the right to add additional items or make further requirements after review of the requested Affidavit.

10. The requirement that the complete and correct name(s) of the buyer(s) in this transaction be submitted to the Title Department at least 5 days prior to the close of Escrow.

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SCHEDULE B – Section I (Continued)

- 11. This transaction requires high liability approval prior to close of escrow together with an inspection of the subject property.
 - Please advise title department with an estimated date that your transaction will close so we can schedule the necessary approvals and inspections.
- 12. The transaction contemplated in connection with this Report is subject to the review and approval of the Company's Corporate Underwriting Department. The Company reserves the right to add additional items or make further requirements after such review.

END OF SCHEDULE B – SECTION I

Order No.: 09170504-917-MCM-JM0

SCHEDULE B – SECTION II

EXCEPTIONS

Schedule B of policy or policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company:

A. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:

 Code Area:
 008035

 Tax Identification No.:
 175-060-12

 Fiscal Year:
 2016-2017

1st Installment: \$140,071.69, Open 2nd Installment: \$140,071.69, Open

Exemption: \$0.00

Land: \$2,806,520.00 Improvements: \$18,242,380.00

Personal Property: \$0.00 Bill No.: \$16-1038076

Affects: A portion of the Land described herein.

B. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:

 Code Area:
 008035

 Tax Identification No.:
 175-060-40

 Fiscal Year:
 2016-2017

1st Installment: \$167,917.10, Open 2nd Installment: \$167,917.10, Open

Exemption: \$0.00

Land: \$7,947,720.00 Improvements: \$18,839,040.00

Personal Property: \$0.00

Bill No.: 16-1038084

Affects: A portion of the Land described herein.

C. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:

 Code Area:
 008035

 Tax Identification No.:
 175-060-59

 Fiscal Year:
 2016-2017

 1st Installment:
 \$22,374.90, Open

 2nd Installment:
 \$22,374.90, Open

Exemption: \$0.00

Land: \$1,135,452.00

Improvements: \$0.00 Personal Property: \$0.00 Bill No.: 16-1038087

Affects: A portion of the Land described herein.

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SCHEDULE B – Section II (Continued)

D. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:

 Code Area:
 008035

 Tax Identification No.:
 175-060-61

 Fiscal Year:
 2016-2017

 1st Installment:
 \$29,935.84, Open

 2nd Installment:
 \$29,935.84, Open

Exemption: \$0.00

Land: \$1,650,900.00 Improvements: \$3,214,987.00

Personal Property: \$0.00 Bill No.: \$16-1038088

Affects: A portion of the Land described herein.

E. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:

 Code Area:
 008035

 Tax Identification No.:
 175-060-66

 Fiscal Year:
 2016-2017

 1st Installment:
 \$47,331.36, Open

 2nd Installment:
 \$47,331.36, Open

Exemption: \$0.00 Land: \$3,325,659.00 Improvements: \$4,688,634.00

Personal Property: \$0.00 Bill No.: \$16-1038089

Affects: A portion of the Land described herein.

F. Property taxes, including any personal property taxes and any assessments collected with taxes are as follows:

 Code Area:
 008035

 Tax Identification No.:
 175-060-67

 Fiscal Year:
 2016-2017

 1st Installment:
 \$558,298.39, Open

 2nd Installment:
 \$558,298.39, Open

Exemption: \$0.00

Land: \$25,000,000.00
Improvements: \$53,000,000.00
Personal Property: \$1,020,759.00
Business Property: \$982,820.00
Bill No.: 16-1038090

Affects: A portion of the Land described herein.

SCHEDULE B – Section II (Continued)

1. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Marin Municipal Water District

Purpose: Easement 10 feet in width for pipeline purposes, together with appurtenances and rights

incidental thereto

Recorded: June 20, 1960, Instrument No. 16695, Book 1378, Page 342, of Official Records

Reference is made to said document for full particulars.

2. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Memorandum of Lease
Lessor: Draper Shopping Centers, Inc.
Lessee: The Emporium Capwell Company

Recorded: October 19, 1962, Instrument No. 37384, Book 1622, Page 232, of Official Records

Assignment of lessor's interest to M & T Incorporated recorded January 13, 1966, Instrument No. 1317, Book 2016 Page 476, Official Records.

Lease was amended by modification letters dated May 12, 1964, January 25, 1965 and August 19, 1970 as disclosed by the Amendment to Lease recorded May 9, 1975, Instrument No. 14942, Book 2893, Page 538, Official Records.

An agreement to amend or modify certain provisions of said lease, as set forth in the document executed by:

As Lessor: M & T Incorporated, a Nevada corporation

As Lessee: Carter Hawley Hale Stores, Inc.

Recorded: May 9, 1975, Instrument No. 14942, Book 2893, Page 538, of Official Records

A Deed and Assignment of lessee's interest under said lease from Carter Hawley Hale Stores, Inc. a California corporation successor to The Emporium Capwell Company to Broad Rafael Properties Corporation, a Delaware corporation recorded May 9, 1975, Instrument No. 14943, Book 2893, Page 552, Official Records.

Deed of Lessee's interest from Broad Rafael Properties Corp., a Delaware corporation to Broad Rafael Associates (Limited Partnership), a Pennsylvania limited partnership recorded November 26, 1975, Instrument No. 44115, Book 2967, Page 15, Official Records.

An Assignment of Lessee's interest from Broad Rafael Properties Corp., a Delaware corporation to Broad Rafael Associates (Limited Partnership), a Pennsylvania limited partnership recorded November 26, 1975, Instrument No. 44115, Book 2967, Page 21, Official Records.

SCHEDULE B – Section II (Continued)

Assumption Agreement executed by Broad Rafael Associates (Limited Partnership), a Pennsylvania limited partnership recorded September 8, 1976, Instrument No. 39951, Book 3084, Page 168, Official Records.

An Assignment and Assumption of Lessor's interest in Leases and in Ground Leases

Assignor: M & T Properties Inc., a Delaware corporation

Assignee: Northgate Mall Associates, a California general partnership

Recorded: December 4, 1985 as Instrument No. 85053831 and 85053832, Official Records

Second Amendment to Lease dated October 16, 1984 as disclosed in the Assignment and Assumption of Lessor's Interest in Ground Lease recorded December 4, 1985, Instrument No. 85053832, Official Records.

An instrument entitled "Nondisturbance and Attornment Agreement" dated December 23, 2009, by and among Broad Rafael Associates (Limited Partnership), a Pennsylvania limited partnership, Northgate Mall Associates, a California general partnership, and U.S. Bank National Association, a National Banking Association, recorded December 31, 2009, Instrument No. 2009-72021, Official Records, and being subject to the terms, conditions and provisions therein.

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

3. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Marin Municipal Water District

Purpose: Right of way together with appurtenances and rights incidental thereto

Recorded: September 1, 1963, Instrument No. 35112, Book 1722, Page 522, of Official Records

Reference is made to said document for full particulars.

4. Easement(s) for the purpose(s) shown below and rights incidental thereto as delineated or as offered for dedication, on the map filed September 15, 1963, in Book 12 of Maps at Page 19, Marin County Records.

Purpose: Centerline 10' storm drain

Affects: As shown on map

Purpose: Centerline 20' storm drain

Affects: As shown on map

Purpose: Storm drain
Affects: As shown on map

Purpose: Public utilities
Affects: As shown on map

SCHEDULE B – Section II (Continued)

A portion of said public utility easement was abandoned by resolution of the City of San Rafael, recorded January 8, 1971 in Book 2429 of Official Records at page 91, Instrument No. 751.

The easement shown as "Existing 10' P.T.&T. Easement (620 OR 365)" was Quitclaimed by Pacific Telephone and Telegraph Company by that certain instrument recorded November 20, 1963 in Book 1751 of Official Records at page 576, Instrument No. 47055.

The easement shown as "Exist, 10' P.T.&T. Easement (Not of Record)" was recorded November 26, 1962 in Book 1634 of Official Records at Page 60, Instrument No. 42036, and Quitclaimed by those certain instruments recorded November 8, 1971 in Book 2517 of Official Records at Page 78, Instrument No. 40493, and January 14, 1985 under Recorder's Serial No. 85-001419, Official Records.

A portion of the 10' storm drain easement was vacated by Resolution No. 12793 of the City of San Rafael recorded July 27, 2009, as Instrument No. 2009-0042656, Official Records.

5. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Marin Municipal Water District

Purpose: Pipe line and access purposes together with appurtenances and rights incidental thereto Recorded: January 2, 1964, Instrument No. 165, Book 1765, Page 562, of Official Records

A portion of said easement was Quitclaimed by those certain instrument recorded November 8, 1971 in Book 2517 of Official Records at Page 80 as Instrument No. 40494 and October 28, 1965 under Recorder's Serial No. 85-047268, Marin County Records.

Reference is made to said document for full particulars.

6. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Marin Municipal Water District

Purpose: Easement 15 feet in width for pipeline, together with appurtenances and rights incidental

Recorded: April 23, 1965, Instrument No. 14319, Book 1933, Page 217, of Official Records

A portion of said easements were Quitclaimed by that certain instrument recorded October 28, 1985 under Recorder's Serial No. 85-047268, Marin County Records.

Reference is made to said document for full particulars.

7. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Marin Municipal Water District

Purpose: Easement 10 feet in width for pipeline purposes, together with appurtenances and

incidental thereto

Recorded: October 21, 1969, Instrument No. 30578, Book 2334, Page 318, of Official Records

Reference is made to said document for full particulars.

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SCHEDULE B – Section II (Continued)

8. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Pacific Gas and Electric Company

Purpose: Public utilities together with appurtenances and rights incidental thereto

Recorded: January 6, 1971, Instrument No. 387, Book 2428, Page 198, of Official Records

Reference is made to said document for full particulars.

9. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Pacific Telephone and Telegraph Company

Purpose: Easement 20 feet in width for communication facilities, together with appurtenances and

rights incidental thereto

Recorded: January 28, 1971, Instrument No. 2576, Book 2433, Page 22, of Official Records

Reference is made to said document for full particulars.

10. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Pacific Telephone and Telegraph Company

Purpose: Easement 10 feet in width for communication facilities, together with appurtenances and

rights incidental thereto

Recorded: January 28, 1971, Instrument No. 2577, Book 2433, Page 26, of Official Records

A portion of said easement was Quitclaimed by that certain instrument recorded November 5, 1985 under Recorder's Serial No. 85-048930, Marin County Records.

Reference is made to said document for full particulars.

11. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Marin Municipal Water District

Purpose: Pipeline together with appurtenances and rights incidental thereto

Recorded: March 9, 1971, Instrument No. 6679, Book 2442, Page 198, of Official Records

Reference is made to said document for full particulars.

12. Covenants, conditions and restrictions in the declaration of restrictions but omitting any covenants or restrictions, if any, including, but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, ancestry, or source of income, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law.

Recorded: March 10, 1971, Instrument No. 6805, Book 2442, Page 401, of Official Records

SCHEDULE B – Section II (Continued)

Said covenants, conditions and restrictions provide that a violation thereof shall not defeat the lien of any mortgage or deed of trust made in good faith and for value.

13. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Short Form of Indenture of Ground Lease

Lessor: M & T Incorporated, a corporation organized and existing under the laws of the State of

Nevada

Lessee: Sears, Roebuck and Co., a New York corporation

Recorded: March 10, 1971, Instrument No. 6806, Book 2442, Page 502, of Official Records

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

14. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Marin Municipal Water District

Purpose: Right of way for pipeline together with appurtenances and rights incidental thereto Recorded: May 20, 1971, Instrument No. 16028, Book 2464, Page 362, of Official Records

Reference is made to said document for full particulars.

15. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Pacific Gas and Electric Company

Purpose: Right of way for underground public utilities together with appurtenances and rights

incidental thereto

Recorded: March 30, 1972, Instrument No. 10971, Book 2554, Page 21, of Official Records

Reference is made to said document for full particulars.

16. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Marin Municipal Water District

Purpose: Right of way for pipelines together with appurtenances and rights incidental thereto Recorded: April 19, 1972, Instrument No. 13723, Book 2560, Page 2, of Official Records

A portion of said easements were Quitclaimed by that certain instrument recorded October 28, 1985 under Recorder's Serial No. 85-047268, Marin County Records.

17. An unrecorded sublease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Lease

Sublessor: Broad Rafael Properties Corporation, a Delaware corporation

Sublessee: Walden Book Company, a New York Corporation

Recorded: May 9, 1975, Instrument No. 14944, Book 2893, Page 562, of Official Records

Deed of Lessee's interest from Broad Rafael Properties Corp., a Delaware corporation to Broad Rafael Associates (Limited Partnership), a Pennsylvania limited partnership recorded November 26, 1975, Instrument No. 44115, Book 2967, Page 15, Official Records.

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SCHEDULE B – Section II (Continued)

An Assignment of Lessee's interest from Broad Rafael Properties Corp., a Delaware corporation to Broad Rafael Associates (Limited Partnership), a Pennsylvania limited partnership recorded November 26, 1975, Instrument No. 44115, Book 2967, Page 21, Official Records.

Assumption agreement executed by Broad Rafael Associates (Limited Partnership), a Pennsylvania limited partnership recorded September 8, 1976, Instrument No. 39951, Book 3084, Page 168, Official Records.

An Assignment of Lease and Agreement by Walden Book Company, Inc., a New York corporation to CHH Realty, Inc., a California corporation recorded October 12, 1984, Instrument No. 84048570, Official Records.

An Assignment and Assumption Agreement dated January 31, 1999 from Broadway Stores, Inc. a Delaware corporation formerly Carter Hawley Hale Stores, Inc. successor by various mesne mergers to Carter Hawley Hale Stores, Inc. a California corporation, Broadway-Hale Stores, Inc., The Emporium Capwell company and Broadway Department Stores, Inc. to Federated Western Properties, Inc., an Ohio corporation, recorded August 3, 2000, Instrument No. 2000-0039709, Official Records.

An instrument entitled "Nondisturbance and Attornment Agreement" dated December 23, 2009, by and among Broad Rafael Associates (Limited Partnership), a Pennsylvania limited partnership, Northgate Mall Associates, a California general partnership, and U.S. Bank National Association, a National Banking Association, recorded December 31, 2009, Instrument No. 2009-72021, of Official Records, and being subject to the terms, conditions and provisions therein.

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

18. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Pacific Gas and Electric Company

Purpose: Easement 10 feet in width for underground pipes for the conveyance of gas, together with

appurtenances and rights incidental thereto

Recorded: October 9, 1984, Instrument No. 84-47918, of Official Records

Reference is made to said document for full particulars.

19. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Marin Municipal Water District

Purpose: Pipeline together with appurtenances and rights incidental thereto Recorded: March 14, 1985, Instrument No. 85-9867, of Official Records

A portion of said easement was Quitclaimed by that certain instrument recorded July 17, 1987 under Recorder's Serial No. 87-48758, Marin County Records.

SCHEDULE B – Section II (Continued)

20. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Pacific Gas and Electric Company

Purpose: Easement 10 feet in width for underground conduits pipes manholes, etc., together with

appurtenances and rights incidental thereto

Recorded: August 7, 1985, Instrument No. 85-33583, of Official Records

Reference is made to said document for full particulars.

21. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Memorandum of Lease Lessor: M & T Properties, Inc.

Lessee: Mervyn's, a California corporation

Recorded: November 14, 1985, Instrument No. 85050401, of Official Records

An Assignment and Assumption of Lessor's Interest in Leases from M & T Properties, Inc. a Delaware corporation to Northgate Mall Associates, a California general partnership recorded December 4, 1985, Instrument No. 85053831, Official Records.

An Assignment and Assumption Lessor's Interest in Ground Lease from M & T Properties, Inc. a Delaware corporation to Northgate Mall Associates, a California general partnership recorded December 4, 1985, Instrument No. 85053832, Official Records.

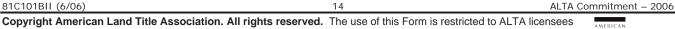
Amendment to lease by lease modification letter dated February 17, 1986 as disclosed by Assignment and Assumption of Lease recorded January 15, 2008 as Instrument No. 2008-0006283, Official Records.

An Agreement to Amend Lease dated November 19, 1999 as disclosed by Assignment and Assumption of Lease recorded January 15, 2008, as Instrument No. 2008-0006283, Official Records.

An Assignment and Assumption of Lease from Mervyn's LLC, a California limited liability company as successor by conversion to Mervyn's, a California corporation to Macerich Northgate Holdings LLC, a Delaware limited liability company recorded January 15, 2008, as Instrument No. 2008-0002683, Official Records.

An instrument entitled "Nondisturbance and Attornment Agreement" dated December 23, 2009, by and among Broad Rafael Associates (Limited Partnership), a Pennsylvania limited partnership, Northgate Mall Associates, a California general partnership, and U.S. Bank National Association, a national banking association, recorded December 31, 2009, Instrument No. 2009-72021, of Official Records, and being subject to the terms, conditions and provisions therein.

An instrument entitled "Subordination, Non-Disturbance and Attornment Agreement", dated December 23, 2009, by and between Macerich Holdings, LLC, a Delaware limited liability company and U.S. Bank, National Association, a national banking association, and Kohl's Department Stores, Inc., a Delaware Corporation, recorded December 30, 2009, Instrument No. 2009-71734, of Official Records and being subject to terms, conditions, and provisions, contained therein.



SCHEDULE B – Section II (Continued)

22. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Pacific Gas and Electric Company

Purpose: Easement 10 feet in width for public utility purposes, together with appurtenances and

rights incidental thereto

Recorded: August 28, 1986, Instrument No. 86-47177, of Official Records

Reference is made to said document for full particulars.

23. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Pacific Gas and Electric Company

Purpose: Easement 10 feet in width for public utility easement, together with appurtenances and

rights incidental thereto

Recorded: June 19, 1987, Instrument No. 87-41754, of Official Records

Reference is made to said document for full particulars.

24. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Pacific Bell

Purpose: Easement 5 feet in width for underground communication facilities, together with

appurtenances and rights incidental thereto

Recorded: March 18, 1992, Instrument No. 92-18650, of Official Records

Reference is made to said document for full particulars.

25. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: Pacific Bell

Purpose: Easement 5 feet in width for communication facilities, together with appurtenances and

rights incidental thereto

Recorded: March 18, 1992, Instrument No. 92-18651, of Official Records

Reference is made to said document for full particulars.

26. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: City of San Rafael, a municipal corporation

Purpose: Traffic signal

Recorded: April 4, 1996, Instrument No. 96-016921, of Official Records

Reference is made to said document for full particulars.



SCHEDULE B – Section II (Continued)

 An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Memorandum of Lease and Memorandum of Assignment
Lessor: Northgate Mall Associates, a California General Partnership
Lessee: Pacific Theatres Exhibition Corp., a California corporation

Recorded: November 13, 2001, Instrument No. 2001-0075385, of Official Records

Assignment of the lessee's interest under said lease,

Assignor: Pacific Theatres Exhibition Corp., a California corporation
Assignee: Northbay Theatres, LLC, a California limited liability company
Recorded: November 13, 2001, Instrument No. 2001-0075385, of Official Records

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

 An unrecorded sublease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Memorandum of Lease

Sublessor: Macerich Northgate Holdings LLC, a Delaware limited liability company

Sublessee: Mervyn's LLC, a California limited liability company

Recorded: January 15, 2008, Instrument No. 2008-0002684, of Official Records

Matters contained in that certain document entitled "Assignment and Assumption of Lease" dated January 30, 2009, executed by and between Mervyn's LLC, a California limited liability company, and Kohl's Department Stores, Inc., recorded February 6, 2009, Instrument No. 2009-0004922, of Official Records.

Reference is hereby made to said document for full particulars.

All rights and interest of Meryvn's LLC to the building and improvements were quitclaimed to Kohl's Department Stores, Inc. by a Quitclaim Deed recorded February 6, 2009, Instrument No. 2009-0004923, of Official Records.

An Instrument entitled "Subordination, Non-Disturbance and Attornment Agreement," dated December 23, 2009, by and among Macerich Northgate Holdings, LLC, a Delaware limited liability company and U.S. Bank, National Association, a National Banking Association and Kohl's Department Stores, Inc. a Delaware corporation, recorded December 30, 2009, Instrument No. 2009-71734, of Official Records and being subject to terms, conditions, and provisions, contained therein.

SCHEDULE B – Section II (Continued)

29. Matters contained in that certain document entitled "Development Agreement" dated June 4, 2008, executed by and between The City of San Rafael, a municipal corporation, and Northgate Mall Associates, a California General Partnership, recorded June 9, 2008, Instrument No. 2008-0026807, of Official Records.

Reference is hereby made to said document for full particulars.

A Collateral Assignment of Development Agreement dated December 23, 2009, executed by Northgate Mall Associates, a California general partnership recorded December 30, 2009, Instrument No. 2009-71733, of Official Records.

30. Matters contained in that certain document entitled "License and Maintenance Agreement" dated March 6, 2009, executed by and between City of San Rafael, a municipal corporation, and Northgate Mall Associates, a California General Partnership, recorded March 11, 2009, Instrument No. 2009-0012047, of Official Records.

Reference is hereby made to said document for full particulars.

31. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: City of San Rafael Purpose: Public storm drain

Recorded: July 27, 2009, Instrument No. 2009-0042655, of Official Records

Reference is made to said document for full particulars.

32. Easement(s) for the purpose(s) shown below and rights incidental thereto as granted in a document.

Granted to: City of San Rafael Purpose: Public storm drain

Recorded: July 27, 2009, Instrument No. 2009-0042656, of Official Records

Reference is made to said document for full particulars.

33. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Memorandum of Lease

Lessor: Northgate Mall Associates, a California general partnership

Lessee: BJ's Restaurants, Inc., a California corporation

Recorded: December 18, 2009, Instrument No. 2009-0069780, of Official Records

An agreement (and the provisions contained therein) which states that said lease is subordinate to the Deed of Trust

Recorded: December 30, 2009, Instrument No. 2009-71732, of Official Records

By document

Recorded: June 4, 2010, Instrument No. 2010-0027149, of Official Records

SCHEDULE B – Section II (Continued)

34. A deed of trust to secure an indebtedness in the amount shown below, and any other obligations secured thereby

Amount: \$60,000,000.00 Dated: December 23, 2009

Trustor: Northgate Mall Associates, a California General Partnership, Macerich Northgate

Holdings LLC, a Delaware limited liability company, Broad Rafael Associates (Limited

Partnership), a Pennsylvania limited partnership

Trustee: Fidelity National Title Company

Beneficiary: U.S. Bank National Association, a National Banking Association

Loan No.: None Shown

Recorded: December 30, 2009, Instrument No. 2009-71732, of Official Records

An agreement to modify the terms and provisions of said deed of trust as therein provided

Executed by: Northgate Mall Associates, a California General Partnership, Macerich Northgate

Holdings LLC, a Delaware limited liability company, Broad Rafael Associates (Limited Partnership), a Pennsylvania limited partnership, AND U.S. Bank National Association, a

national banking association

Recorded: March 23, 2012, Instrument No. 2012-0018358, of Official Records

35. Any interest in said land, of the party named below, as disclosed by a Notice of Non-Responsibility

Dated: February 8, 2010

Executed by: Northgate Mall Associates

Recorded: February 9, 2010, Instrument No. 2010-0006643, of Official Records

Party Named: Payless ShoeSource, Inc. dba Payless ShoeSource

Purported interest: Leasehold

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

36. Any interest in said land, of the party named below, as disclosed by a Notice of Non-Responsibility

Dated: February 8, 2010

Executed by: Northgate Mall Associates

Recorded: February 9, 2010, Instrument No. 2010-0006644, of Official Records Party Named: Hermann Dungs and Paula Jane Dungs, dba Visionary Opticians

Purported interest: Leasehold

SCHEDULE B – Section II (Continued)

37. Any interest in said land, of the party named below, as disclosed by a Notice of Non-Responsibility

Dated: February 8, 2010

Executed by: Northgate Mall Associates

Recorded: February 9, 2010, Instrument No. 2010-0006645, of Official Records

Party Named: Peet's Operating Company, Inc. dba Peet's Coffee and Tea

Purported interest: Leasehold

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

38. Any interest in said land, of the party named below, as disclosed by a Notice of Non-Responsibility

Dated: February 16, 2010

Executed by: Northgate Mall Associates

Recorded: February 16, 2010, Instrument No. 2010-0007363, of Official Records

Party Named: Gymboree Retail Stores, Inc., dba crazy 8

Purported interest: Leasehold

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

- 39. An instrument entitled "Non-Disturbance and Attornment Agreement" dated April 19, 2010 by and among Broad Rafael Associates, a Pennsylvania limited partnership, Macy's West Stores, Inc., an Ohio corporation, Northgate Mall Associates, a California general partnership, and U.S. Bank National Association, recorded May 18, 2010, Instrument No. 2010-0024361, Official Records and being subject to the terms, conditions and provisions therein.
- 40. An Instrument entitled "Subordination, Non-Disturbance and Attornment Agreement," dated February 2, 2010, by and between BJ'S Restaurant and Brewhouse, Inc., a California corporation, Northgate Mall Associates, a California general partnership, and U.S. Bank National Association, recorded June 4, 2010, Instrument No. 2010-0027149, Official Records, and being subject to Terms, conditions, and provisions, contained therein.

An Instrument entitled "Subordination, Nondisturbance and Attornment Agreement," dated February 2, 2010, by and between BJ'S Restaurant and Brewhouse, Inc., a California corporation, Northgate Mall Associates, a California general partnership, and U.S. Bank National Association, recorded October 29, 2010, Instrument No. 2010-0054458, Official Records, and being subject to Terms, conditions, and provisions, contained therein.

41. Any interest in said land, of the party named below, as disclosed by a Notice of Non-Responsibility

Dated: June 25, 2010

Executed by: Northgate Mall Associates

Recorded: June 28, 2010, Instrument No. 2010-0030689, of Official Records

Party Named: Zumiez, Inc. dba Zumiez

Purported interest: Leasehold

SCHEDULE B – Section II (Continued)

42. Any interest in said land, of the party named below, as disclosed by a Notice of Non-Responsibility

Dated: June 25, 2010

Executed by: Northgate Mall Associates

Recorded: June 28, 2010, Instrument No. 2010-0030690, of Official Records

Party Named: Tomatina International, Inc. dba Tomatina

Purported interest: Leasehold

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

43. Any interest in said land, of the party named below, as disclosed by a Notice of Non-Responsibility

August 9, 2010 Dated:

Executed by: Northgate Mall Associates

Recorded: August 10, 2010, Instrument No. 2010-0038461, of Official Records

Party Named: Victoria's Secret Stores, LLC, dba Victoria's Secret

Purported interest: Leasehold

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the 44. document

Entitled: Subordination, Nondisturbance and Attornment Agreement

Lessor: Northgate Mall Associates

Lessee: Forever 21 Retail, Inc., a California corporation

Recorded: October 29, 2010, Instrument No. 2010-0054456, of Official Records

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

- 45. An instrument entitled "Subordination, Nondisturbance and Attornment Agreement" dated February 5, 2010 by and among Forever 21 Retail, Inc., a California corporation, Northgate Mall Associates, a California general partnership, and U.S. Bank National Association, recorded October 29, 2010, Instrument No. 2010-0054456, Official Records and being subject to the terms, conditions and provisions therein.
- 46. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Acknowledgment, Subordination, Non-Disturbance and Attornment Agreement

Lessor: Northgate Mall Associates

Northbay Theatres, LLC., a California limited liability company Lessee: Recorded: October 29, 2010, Instrument No. 2010-0054457, of Official Records

SCHEDULE B – Section II (Continued)

- 47. An instrument entitled "Acknowledgment, Subordination, Non-Disturbance and Attornment Agreement" dated July 14, 2010 by and among Northbay Theatres, LLC., a California limited liability company, Northgate Mall Associates, a California general partnership, and U.S. Bank National Association, recorded October 29, 2010, Instrument No. 2010-0054457, Official Records and being subject to the terms, conditions and provisions therein.
- 48. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Subordination, Nondisturbance And Attornment Agreement

Lessor: Northgate Mall Associates
Lessee: Thrifty Payless, Inc.

Recorded: October 29, 2010, Instrument No. 2010-0054459, of Official Records

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

- 49. An instrument entitled "Subordination Non-Disturbance and Attornment Agreement" dated December 8, 2009 by and among Thrifty Payless, Inc., and U.S. Bank National Association, recorded October 29, 2010, Instrument No. 2010-0054459, Official Records and being subject to the terms, conditions and provisions therein.
- 50. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Subordination, Nondisturbance and Attornment Agreement

Lessor: Northgate Mall Associates

Lessee: H&M Hennes & Mauritz L.P., a New York limited partnership Recorded: October 29, 2010, Instrument No. 2010-0054460, of Official Records

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

- An instrument entitled "Subordination Nondisturbance and Attornment Agreement" dated February 12, 2010 by and among H&M Hennes & Mauritz L.P., a New York limited partnership, Northgate Mall Associates, a California general partnership, and U.S. Bank National Association, recorded October 29, 2010, Instrument No. 2010-0054460, Official Records and being subject to the terms, conditions and provisions therein.
- 52. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Notice of Non-Responsibility
Lessor: Northgate Mall Associates

Lessee: Farid Amiri and Frozan Amiri, dba Brow Art

Recorded: June 27, 2011, Instrument No. 2011-0031815, of Official Records

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

53. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Notice of Non-Responsibility
Lessor: Northgate Mall Associates

81C101BII (6/06) 21 ALTA Commitment – 2006



SCHEDULE B – Section II (Continued)

Lessee: Express, LLC, dba Express

Recorded: August 2, 2011, Instrument No. 2011-0038071, of Official Records

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

54. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Notice of Non-Responsibility
Lessor: Northgate Mall Associates

Lessee: Panda Express, Inc., dba Panda Express

Recorded: April 6, 2012, Instrument No. 2012-0021608, of Official Records

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

55. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: NOTICE OF NON-RESPONSIBILITY

Lessor: Northgate Mall Associates

Lessee: Bin Vo EWC LLC, dba European Wax Center

Recorded: January 8, 2013, Instrument No. 2013-0001585, of Official Records

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

- 56. Water rights, claims or title to water, whether or not disclosed by the public records.
- 57. Any rights of the parties in possession of a portion of, or all of, said Land, which rights are not disclosed by the public records.

The Company will require, for review, a full and complete copy of any unrecorded agreement, contract, license and/or lease, together with all supplements, assignments and amendments thereto, before issuing any policy of title insurance without excepting this item from coverage.

The Company reserves the right to except additional items and/or make additional requirements after reviewing said documents.

58. The Company will require an ALTA/NSPS LAND TITLE SURVEY. If the owner of the Land the subject of this transaction is in possession of a current ALTA/NSPS LAND TITLE SURVEY, the Company will require that said survey be submitted for review and approval; otherwise, a new survey, satisfactory to the Company, must be prepared by a licensed land surveyor and supplied to the Company prior to the close of escrow.

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

59. Any lien or right to a lien for services, labor or material heretofore or hereafter furnished, imposed by law and not shown by the Public Records.



SCHEDULE B – Section II (Continued)

60. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the effective date hereof but prior to the date the proposed Insured acquires for value of record the estate or interest or mortgage thereon covered by this commitment.

81C101BII (6/06) 23 ALTA Commitment – 2006

SCHEDULE B – Section II (Continued)

NOTE: AN OWNER'S POLICY ISSUED IN CONNECTION WITH THIS COMMITMENT WILL CONTAIN THE FOLLOWING PRE-PRINTED EXCEPTIONS:

- 1. Rights or claims of parties other than the Insured in actual possession of any or all of the property.
- 2. Unrecorded easements, discrepancies or conflicts in boundary lines, shortage in area and encroachments which an accurate and complete survey would disclose.
- 3. Unfiled mechanic's or materialmen's liens.

END OF SCHEDULE B - SECTION II

Order No.: 09170504-917-MCM-JM0

File No: 09170504

INFORMATIONAL NOTES SECTION

- 1. The information on the attached plat is provided for your convenience as a guide to the general location of the subject property. The accuracy of this plat is not guaranteed, nor is it a part of any policy, report or guarantee to which it may be attached.
- 2. For wiring Instructions please contact your Title Officer or Title Company Escrow officer.
- 3. Note: The Company is not aware of any matters which would cause it to decline to attach CLTA Endorsement Form 116 indicating that there is located on said Land a Commercial property, known as **5800 Northgate Mall**, **San Rafael**, **CA**, to an Extended Coverage Loan Policy.
- 4. Note: The name(s) of the proposed insured(s) furnished with this application for title insurance is/are:
 - No names were furnished with the application. Please provide the name(s) of the buyers as soon as possible.
- 5. Note: There are NO conveyances affecting said Land recorded within 24 months of the date of this report.
- 6. Note: The charge for a policy of title insurance, when issued through this application for title insurance, will be based on the Short Term Rate.
- 7. Note: The City of San Rafael imposes a transfer tax of \$2.00 per thousand, based on the full value of the property at the time a deed or other transfer is recorded. This is in addition to the \$1.10 per thousand County transfer tax.
- 8. Your application for title insurance was placed by reference to only a street address or tax identification number. Based on our records, we believe that the legal description in this report covers the parcel(s) of Land that you requested. If the legal description is incorrect, the seller/borrower must notify the Company and/or the settlement company in order to prevent errors and to be certain that the correct parcel(s) of Land will appear on any documents to be recorded in connection with this transaction and on the policy of title insurance.
- 9. Note: If a county recorder, title insurance company, escrow company, real estate broker, real estate agent or association provides a copy of a declaration, governing document or deed to any person, California law requires that the document provided shall include a statement regarding any unlawful restrictions. Said statement is to be in at least 14-point bold face type and may be stamped on the first page of any document provided or included as a cover page attached to the requested document. Should a party to this transaction request a copy of any document reported herein that fits this category, the statement is to be included in the manner described.
- 10. Note: Any documents being executed in conjunction with this transaction must be signed in the presence of an authorized Company employee, an authorized employee of an agent, an authorized employee of the insured lender, or by using Bancserv or other approved third-party service. If the above requirement cannot be met, please call the Company at the number provided in this report.

Typist: nb0

Date Typed: November 14, 2016

Order No.: 09170504-917-MCM-JM0

CONDITIONS

- 1. The term mortgage, when used herein, shall include deed of trust, trust deed, or other security instrument.
- 2. If the proposed Insured has or acquired actual knowledge of any defect, lien, encumbrance, adverse claim or other matter affecting the estate or interest or mortgage thereon covered by this Commitment other than those shown in Schedule B hereof, and shall fail to disclose such knowledge to the Company in writing, the Company shall be relieved from liability for any loss or damage resulting from any act of reliance hereon to the extent the Company is prejudiced by failure to so disclose such knowledge. If the proposed Insured shall disclose such knowledge to the Company, or if the Company otherwise acquires actual knowledge of any such defect, lien, encumbrance, adverse claim or other matter, the Company at its option may amend Schedule B of this Commitment accordingly, but such amendment shall not relieve the Company from liability previously incurred pursuant to paragraph 3 of these Conditions.
- 3. Liability of the Company under this Commitment shall be only to the named proposed Insured and such parties included under the definition of Insured in the form of policy or policies committed for and only for actual loss incurred in reliance hereon in undertaking in good faith (a) to comply with the requirements hereof, or (b) to eliminate exceptions shown in Schedule B, or (c) to acquire or create the estate or interest or mortgage thereon covered by this Commitment. In no event shall such liability exceed the amount stated in Schedule A for the policy or policies committed for and such liability is subject to the insuring provisions and Conditions and the Exclusions from Coverage of the form of policy or policies committed for in favor of the proposed Insured which are hereby incorporated by reference and are made a part of this Commitment except as expressly modified herein.
- 4. This Commitment is a contract to issue one or more title insurance policies and is not an abstract of title or a report of the condition of title. Any action or actions or rights of action that the proposed Insured may have or may bring against the Company arising out of the status of the title to the estate or interest or the status of the mortgage thereon covered by this Commitment must be based on and are subject to the provisions of this Commitment.
- 5. The policy to be issued contains an arbitration clause. All arbitrable matters when the Amount of Insurance is \$2,000,000 or less shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. You may review a copy of the arbitration rules at http://www.alta.org/.



Commonwealth Land Title Company

Notice of Available Discounts

Pursuant to Section 2355.3 in Title 10 of the California Code of Regulations Fidelity National Financial, Inc. and its subsidiaries ("FNF") must deliver a notice of each discount available under our current rate filing along with the delivery of escrow instructions, a preliminary report or commitment. Please be aware that the provision of this notice does not constitute a waiver of the consumer's right to be charged the filed rate. As such, your transaction may not qualify for the below discounts.

You are encouraged to discuss the applicability of one or more of the below discounts with a Company representative. These discounts are generally described below; consult the rate manual for a full description of the terms, conditions and requirements for such discount. These discounts only apply to transactions involving services rendered by the FNF Family of Companies. This notice only applies to transactions involving property improved with a one-to-four family residential dwelling.

FNF Underwritten Title Company

FNF Underwriter

LTC – Lawyers Title Company

CLTIC - Commonwealth Land Title Insurance Co.

Available Discounts

DISASTER LOANS (CLTIC)

The charge for a Lender's Policy (Standard or Extended coverage) covering the financing or refinancing by an owner of record, within 24 months of the date of a declaration of a disaster area by the government of the United States or the State of California on any land located in said area, which was partially or totally destroyed in the disaster, will be 50% of the appropriate title insurance rate.

EMPLOYEE RATE (LTC and CLTIC)

No charge shall be made to employees (including employees on approved retirement) of the Company or its underwritten, subsidiary or affiliated title companies for policies or escrow services in connection with financing, refinancing, sale or purchase of the employees' bona fide home property. Waiver of such charges is authorized only in connection with those costs which the employee would be obligated to pay, by established custom, as a party to the transaction.

Notice of Available Discounts Mod. 10/21/2011

FIDELITY NATIONAL FINANCIAL PRIVACY NOTICE

At Fidelity National Financial, Inc. and its majority-owned subsidiary companies (collectively, "FNF", "our" or "we"), we value the privacy of our customers. This Privacy Notice explains how we collect, use, and protect your information and explains the choices you have regarding that information. A summary of our privacy practices is below. We also encourage you to read the complete Privacy Notice following the summary.

Types of Information Collected. You may provide us with certain personal information, like your contact information, social security number (SSN), driver's license, other government ID numbers, and/or financial information. We may also receive information from your Internet browser, computer and/or mobile device.	How Information is Collected. We may collect personal information directly from you from applications, forms, or communications we receive from you, or from other sources on your behalf, in connection with our provision of products or services to you. We may also collect browsing information from your Internet browser, computer, mobile device or similar equipment. This browsing information is generic and reveals nothing personal about the user.		
Use of Your Information. We may use your information to provide products and services to you (or someone on your behalf), to improve our products and services, and to communicate with you about our products and services. We do not give or sell your personal information to parties outside of FNF for their use to market their products or services to you.	Security Of Your Information . We utilize a combination of security technologies, procedures and safeguards to help protect your information from unauthorized access, use and/or disclosure. We communicate to our employees about the need to protect personal information.		
Choices With Your Information. Your decision to submit personal information is entirely up to you. You can opt-out of certain disclosures or use of your information or choose to not provide any personal information to us.	When We Share Information. We may disclose your information to third parties providing you products and services on our behalf, law enforcement agencies or governmental authorities, as required by law, and to parties with whom you authorize us to share your information.		
Information From Children. We do not knowingly collect information from children under the age of 13, and our websites are not intended to attract children.	Privacy Outside the Website. We are not responsible for the privacy practices of third parties, even if our website links to those parties' websites.		
Access and Correction. If you desire to see the information collected about you and/or correct any inaccuracies, please contact us in the manner specified in this Privacy Notice.	Do Not Track Disclosures. We do not recognize "do not track" requests from Internet browsers and similar devices.		
The California Online Privacy Protection Act. Certain FNF websites collect information on behalf of mortgage loan servicers. The mortgage loan servicer is responsible for taking action or making changes to any consumer information submitted through those websites.	International Use. By providing us with your information, you consent to the transfer, processing and storage of such information outside your country of residence, as well as the fact that we will handle such information consistent with this Privacy Notice.		
Your Consent To This Privacy Notice. By submitting information to us and using our websites, you are accepting and agreeing to the terms of this Privacy Notice.	Contact FNF. If you have questions or wish to contact us regarding this Privacy Notice, please use the contact information provided at the end of this Privacy Notice.		

FNF Privacy Notice Effective: April 1, 2016

FIDELITY NATIONAL FINANCIAL, INC. PRIVACY NOTICE

FNF respects and is committed to protecting your privacy. We pledge to take reasonable steps to protect your Personal Information (as defined herein) and to ensure your information is used in compliance with this Privacy Notice.

This Privacy Notice is only in effect for information collected and/or owned by or on behalf of FNF, including collection through any FNF website or online services offered by FNF (collectively, the "Website"), as well as any information collected offline (e.g., paper documents). The provision of this Privacy Notice to you does not create any express or implied relationship, nor create any express or implied duty or other obligation, between FNF and you.

Types of Information Collected

We may collect two types of information: Personal Information and Browsing Information.

<u>Personal Information</u>. The types of personal information FNF collects may include, but are not limited to:

- contact information (*e.g.*, name, address, phone number, email address);
- social security number (SSN), driver's license, and other government ID numbers; and
- financial account or loan information.

Browsing Information. The types of browsing information FNF collects may include, but are not limited to:

- Internet Protocol (or IP) address or device ID/UDID, protocol and sequence information;
- · browser language;
- browser type;
- domain name system requests;
- browsing history;
- number of clicks;
- hypertext transfer protocol headers; and
- application client and server banners.

How Information is Collected

In the course of our business, we may collect *Personal Information* about you from the following sources:

- applications or other forms we receive from you or your authorized representative, whether electronic or paper;
- communications to us from you or others;
- information about your transactions with, or services performed by, us, our affiliates or others; and
- information from consumer or other reporting agencies and public records that we either obtain directly from those entities, or from our affiliates or others.

We may collect *Browsing Information* from you as follows:

- Browser Log Files. Our servers automatically log, collect and record certain Browsing Information about each visitor to the Website. The Browsing Information includes only generic information and reveals nothing personal about the user
- <u>Cookies</u>. From time to time, FNF may send a "cookie" to your computer when you visit the Website. A cookie is a

small piece of data that is sent to your Internet browser from a web server and stored on your computer's hard drive. When you visit the Website again, the cookie allows the Website to recognize your computer, with the goal of providing an optimized user experience. Cookies may store user preferences and other information. You can choose not to accept cookies by changing the settings of your Internet browser. If you choose not to accept cookies, then some functions of the Website may not work as intended.

Use of Collected Information

Information collected by FNF is used for three main purposes:

- To provide products and services to you, or to one or more third party service providers who are performing services on your behalf or in connection with a transaction involving you;
- To improve our products and services; and
- To communicate with you and to inform you about FNF's products and services.

When We Share Information

We may share your Personal Information (excluding information we receive from consumer or other credit reporting agencies) and Browsing Information with certain individuals and companies, as permitted by law, without first obtaining your authorization. Such disclosures may include, without limitation, the following:

- to agents, representatives, or others to provide you with services or products you have requested, and to enable us to detect or prevent criminal activity, fraud, or material misrepresentation or nondisclosure;
- to third-party contractors or service providers who provide services or perform other functions on our behalf;
- to law enforcement or other governmental authority in connection with an investigation, or civil or criminal subpoenas or court orders; and/or
- to other parties authorized to receive the information in connection with services provided to you or a transaction involving you.

We may disclose Personal Information and/or Browsing Information when required by law or in the good-faith belief that such disclosure is necessary to:

- comply with a legal process or applicable laws;
- enforce this Privacy Notice;
- investigate or respond to claims that any information provided by you violates the rights of a third party; or
- protect the rights, property or personal safety of FNF, its users or the public.

We make efforts to ensure third party contractors and service providers who provide services or perform functions on our behalf protect your information. We limit use of your information to the purposes for which the information was provided. We do not give or sell your information to third parties for their own direct marketing use.

We reserve the right to transfer your Personal Information, Browsing Information, as well as any other information, in connection with the sale or other disposition of all or part of the FNF business and/or assets, or in the event of our bankruptcy, reorganization, insolvency, receivership or an assignment for the benefit of creditors. You expressly agree and consent to the use and/or transfer of this information in connection with any of the above-described proceedings. We cannot and will not be responsible for any breach of security by any third party or for any actions of any third party that receives any of the information that is disclosed to us.

Choices With Your Information

Whether you submit your information to FNF is entirely up to you. If you decide not to submit your information, FNF may not be able to provide certain products or services to you. You may choose to prevent FNF from using your information under certain circumstances ("opt out"). You may opt out of receiving communications from us about our products and/or services.

Security And Retention Of Information

FNF is committed to protecting the information you share with us and utilizes a combination of security technologies, procedures and safeguards to help protect it from unauthorized access, use and/or disclosure. FNF trains its employees on privacy practices and on FNF's privacy and information security policies. FNF works hard to retain information related to you only as long as reasonably necessary for business and/or legal purposes.

Information From Children

The Website is meant for adults. The Website is not intended or designed to attract children under the age of thirteen (13). We do not collect Personal Information from any person that we know to be under the age of thirteen (13) without permission from a parent or guardian.

Privacy Outside the Website

The Website may contain links to other websites, including links to websites of third party service providers. FNF is not and cannot be responsible for the privacy practices or the content of any of those other websites.

International Users

Because FNF's headquarters is located in the United States, we may transfer your Personal Information and/or Browsing Information to the United States. By using our website and providing us with your Personal Information and/or Browsing Information, you understand and consent to the transfer, processing and storage of such information outside your country of residence, as well as the fact that we will handle such information consistent with this Privacy Notice.

Do Not Track Disclosures

Currently, our policy is that we do not recognize "do not track" requests from Internet browsers and similar devices.

The California Online Privacy Protection Act

For some websites which FNF or one of its companies owns, such as the Customer CareNet ("CCN"), FNF is acting as a third party service provider to a mortgage loan servicer. In those

instances, we may collect certain information on behalf of that mortgage loan servicer, including:

- first and last name;
- property address;
- user name and password;
- loan number;
- social security number masked upon entry;
- email address:
- security questions and answers; and
- IP address.

The information you submit is then transferred to your mortgage loan servicer by way of CCN. The mortgage loan servicer is responsible for taking action or making changes to any consumer information submitted through this website. For example, if you believe that your payment or user information is incorrect, you must contact your mortgage loan servicer.

CCN does not share consumer information with third parties, other than those with which the mortgage loan servicer has contracted to interface with the CCN application. All sections of this Privacy Notice apply to your interaction with CCN, except for the sections titled Choices with Your Information, and Access and Correction. If you have questions regarding the choices you have with regard to your personal information or how to access or correct your personal information, contact your mortgage loan servicer.

Access and Correction

To access your Personal Information in the possession of FNF and correct any inaccuracies, please contact us by email at privacy@fnf.com or by mail at:

Fidelity National Financial, Inc. 601 Riverside Avenue Jacksonville, Florida 32204 Attn: Chief Privacy Officer

Your Consent To This Privacy Notice

By submitting Personal Information and/or Browsing Information to FNF, you consent to the collection and use of information by FNF in compliance with this Privacy Notice. We reserve the right to make changes to this Privacy Notice. If we change this Privacy Notice, we will post the revised version on the Website.

Contact FNF

Please send questions and/or comments related to this Privacy Notice by email at privacy@fnf.com or by mail at:

Fidelity National Financial, Inc. 601 Riverside Avenue Jacksonville, Florida 32204 Attn: Chief Privacy Officer

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EFFECTIVE AS OF APRIL 1, 2016

ATTACHMENT ONE

CALIFORNIA LAND TITLE ASSOCIATION STANDARD COVERAGE POLICY – 1990

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

- 1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
 - (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
- 2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
- 3. Defects, liens, encumbrances, adverse claims or other matters:
 - (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
 - (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
 - (c) resulting in no loss or damage to the insured claimant;
 - (d) attaching or created subsequent to Date of Policy; or
 - (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
- 4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
- 5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
- 6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.

Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.

- 2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
- 3. Easements, liens or encumbrances, or claims thereof, not shown by the public records.
- 4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
- 5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
- 6. Any lien or right to a lien for services, labor or material not shown by the public records.

CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE (12-02-13) ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE

EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

- 1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - a. building;
 - b. zoning;
 - c. land use;
 - d. improvements on the Land;
 - e. land division; and
 - f. environmental protection.

This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.

- 2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
- 3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
- 4. Risks:
 - a. that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - b. that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;
 - c. that result in no loss to You; or
 - d. that first occur after the Policy Date this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
- 5. Failure to pay value for Your Title.
- 6. Lack of a right:
 - a. to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - in streets, alleys, or waterways that touch the Land.
 - This Exclusion does not limit the coverage described in Covered Risk 11 or 21.

- 7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.
- 8. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
- 9. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:

For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	Your Deductible Amount	Our Maximum Dollar Limit of Liability
	1.00% % of Policy Amount Shown in Schedul	le A or
Covered Risk 16:	\$2,500.00 (whichever is less)	\$ 10,000.00
	1.00% % of Policy Amount Shown in Schedul	le A or
Covered Risk 18:	\$5,000.00 (whichever is less)	\$ 25,000.00
	1.00% of Policy Amount Shown in Schedule A o	r
Covered Risk 19:	\$5,000.00 (whichever is less)	\$ 25,000.00
	1.00% of Policy Amount Shown in Schedule A o	r
Covered Risk 21:	\$2,500.00 (whichever is less)	\$ 5,000.00

2006 ALTA LOAN POLICY (06-17-06) EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

- 1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 - or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
 - (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
 - Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
- 3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13 or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
- 4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
- 5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
- 6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
- 7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

(Except as provided in Schedule B - Part II,(t(or T)his policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

(PART I

(The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

- 1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
- 2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
- 3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
- 4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
- 5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
- 6. Any lien or right to a lien for services, labor or material not shown by the Public Records.

PART II

In addition to the matters set forth in Part I of this Schedule, the Title is subject to the following matters, and the Company insures against loss or damage sustained in the event that they are not subordinate to the lien of the Insured Mortgage:)

2006 ALTA OWNER'S POLICY (06-17-06) EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

- 1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 - or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
 - (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
- 2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
- B. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
- 4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
 - (a) a fraudulent conveyance or fraudulent transfer; or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
- 5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

(The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

- (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real
 property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings,
 whether or not shown by the records of such agency or by the Public Records.
- 2. Any facts, rights, interests, or claims that are not shown in the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
- 3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
- 4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and that are not shown by the Public Records.
- 5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
- 6. Any lien or right to a lien for services, labor or material not shown by the Public Records.
- 7. (Variable exceptions such as taxes, easements, CC&R's, etc. shown here.)

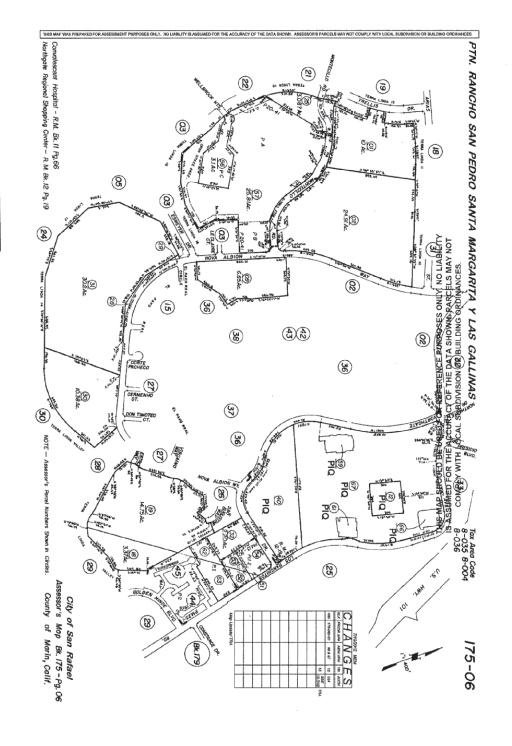
ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (12-02-13)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

- 1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 - or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
 - (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
- 2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
- B. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;

- (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
- (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
- 4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
- 5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury, or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
- 6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
- 7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
- 8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
- Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien
 of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.
- 10. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
- 11. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.



"Important: This plat is not a survey, it is furnished as a Convenience to locate the land in relation to adjoining streets and other lands and NOT to guarantee any dimensions, distances, bearings, or acreage."

ALTA/NSPS LAND TITLE SURVEY

SAN RAFAEL, CALIFORNIA

LEGAL DESCRIPTION

PARCEL A

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF SAN RAFAEL, COUNTY OF MARIN, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE EASTERLY BOUNDARY OF NORTHGATE DRIVE, AS SHOWN ON THAT CERTAIN MAP ENTITLED. "MAP OF NORTHGATE REGIONAL SHOPPING CENTER". RECORDED SEPTEMBER 10, 1963 IN VOLUME 12 OF MAPS AT PAGE 19, MARIN COUNTY RECORDS, WHICH POINT IS THE SOUTHERLY TERMINUS OF THE COURSE "N 32° 00' 00" E. 294.85", AS SHOWN ON SAID MAP; THENCE ALONG THE BOUNDARIES OF NORTHGATE DRIVE, OF LAS GALLINAS AVENUE AND OF LOS RANCHITOS ROAD, AS SHOWN ON SAID MAP, THE FOLLOWING COURSES AND DISTANCES: NORTH 32° 00' 00" EAST, 294.85 FEET; THENCE ALONG A CURVE TO THE LEFT, WHOSE CENTER BEARS NORTH 58° 00' 00" WEST, HAVING A RADIUS OF 1304.00 FEET THROUGH A CENTRAL ANGLE OF 37° 43' 06", A DISTANCE OF 858.44 FEET; THENCE ALONG A CURVE TO THE RIGHT, WHOSE CENTER BEARS NORTH 84° 16' 54" EAST, HAVING A RADIUS OF 30.00 FEET THROUGH A CENTRAL ANGLE OF 109° 13' 06", A DISTANCE OF 57.19 FEET; THENCE SOUTH 76' 30' 00" EAST 10.81 FEET; THENCE ALONG A CURVE TO THE RIGHT, WHOSE CENTER BEARS SOUTH 13' 30' 00" WEST, HAVING A RADIUS OF 427.89 FEET THROUGH A CENTRAL ANGLE OF 19' 47' 56", A DISTANCE OF 147.86 FEET; THENCE SOUTH 56° 42' 04" EAST 32.12 FEET; THENCE ALONG A CURVE TO THE LEFT, WHOSE CENTER BEARS NORTH 33' 17' 56" EAST, HAVING A RADIUS OF 730.04 FEET, THROUGH A CENTRAL ANGLE OF 26° 24' 46", A DISTANCE OF 336.54 FEET; THENCE SOUTH 83° 06' 50" EAST, 330.92 FEET; THENCE ALONG A CURVE TO THE RIGHT, WHOSE CENTER BEARS SOUTH 6° 53' 10" WEST, HAVING A RADIUS OF 170.01 FEET THROUGH A CENTRAL ANGLE OF 83° 00' 21", A DISTANCE OF 246.30 FEET; THENCE SOUTH 0° 06' 29" EAST, 102.13 FEET; THENCE SOUTH 0° 04' 50" WEST 112.63 FEET; THENCE ALONG A NON-TANGENT CURVE TO THE RIGHT WHOSE CENTER BEARS SOUTH 89° 50' 48" WEST, HAVING A RADIUS OF 970.00 FEET, THROUGH A CENTRAL ANGLE OF 29° 33' 10", A DISTANCE OF 500.32 FEET; THENCE SOUTH 29° 23' 52" WEST, 100.00 FEET; THENCE ALONG A NON-TANGENT CURVE TO THE LEFT, WHOSE CENTER BEARS SOUTH 60° 35' 50" EAST, HAVING A RADIUS OF 780.00 FEET THROUGH A CENTRAL ANGLE OF 43° 51' 22", A DISTANCE OF 597.04 FEET; THENCE SOUTH 14° 28' 26" EAST, 100.65 FEET; THENCE ALONG A CURVE TO THE RIGHT, WHOSE CENTER BEARS SOUTH 75° 31' 34' WEST, HAVING A RADIUS OF 50.00 FEET THROUGH A CENTRAL ANGLE OF 89° 59' 48", A DISTANCE OF 78.54 FEET; THENCE SOUTH 75° 31' 22" WEST 518.22 FEET; THENCE ALONG A CURVE TO THE RIGHT, WHOSE CENTER BEARS NORTH 14° 28' 38" WEST, HAVING A RADIUS OF 224.00 FEET THROUGH A CENTRAL ANGLE OF 85° 18' 00" A DISTANCE OF 333.48 FEET; THENCE ALONG A CURVE TO THE LEFT, WHOSE CENTER BEARS SOUTH 70' 49° 22" WEST, HAVING A RADIUS OF 291.67 FEET THROUGH A CENTRAL ANGLE OF 38° 49' 22" A DISTANCE OF 197.63 FEET; THENCE NORTH 58' 00' 00" WEST, 65.94 FEET AND THENCE ALONG A CURVE TO THE RIGHT, WHOSE CENTER BEARS NORTH 32° 00' 00" EAST, HAVING A RADIUS OF 446.00 FEET THROUGH A CENTRAL ANGLE OF 90° 00' 00" A DISTANCE OF 700.58 FEET TO THE POINT OF

EXCEPTING THEREFROM THAT PORTION OF SAID LAND AS DESCRIBED IN THE DEED TO THE CITY OF SAN RAFAEL, DATED NOVEMBER 15, 1984 AND RECORDED JANUARY 11, 1985 AS INSTRUMENT NO. 85001287, MARIN COUNTY RECORDS, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE SOUTHERLY BOUNDARY OF LAS GALLINAS AVENUE, AS SHOWN ON THAT CERTAIN MAP ENTITLED, "MAP OF NORTHGATE REGIONAL SHOPPING CENTER", RECORDED SEPTEMBER 10, 1963 IN VOLUME 12 OF MAPS AT PAGE 19, MARIN COUNTY RECORDS, AT THE WESTERLY TERMINUS OF THE COURSE SHOWN AS "SOUTH 76" 30' 00" EAST, 10.81 FEET", ON SAID MAP (12 RM 19); THENCE ALONG SAID SOUTHERLY BOUNDARY OF LAS GALLINAS AVENUE (12 RM 19) THE FOLLOWING COURSES AND DISTANCES: SOUTH 76° 30' 00" EAST 10.81 FEET: THENCE SOUTHEASTERLY ALONG A CURVE TO THE RIGHT, TANGENT TO THE PRECEDING COURSE, HAVING A RADIUS OF 427.89 FEET THROUGH A CENTRAL ANGLE OF 19° 47' 56", AN ARC LENGTH OF 147.86 FEET: THENCE SOUTH 56' 42' 04" EAST. 32.12 FEET AND THENCE SOUTHEASTERLY ALONG A CURVE TO THE LEFT, TANGENT TO THE PRECEDING COURSE, HAVING A RADIUS OF 730.04 FEET THROUGH A CENTRAL ANGLE OF 16° 00' 00". AN ARC LENGTH OF 203.87 FEET: THENCE LEAVING SAID SOUTHERLY BOUNDARY (12 RM 19) NORTH 72° 42' 04" WEST. 71.15 FEET: THENCE NORTHWESTERLY ALONG A CURVE TO THE RIGHT, TANGENT TO THE PRECEDING COURSE, HAVING A RADIUS OF 481.90 FEET THROUGH A CENTRAL ANGLE OF 16° 00' 00", AN ARC LENGTH OF 134.57 FEET: THENCE NORTH 56° 42' 04" WEST. 32.12 FEET: THENCE NORTHWESTERLY ALONG A CURVE TO THE LEFT, TANGENT TO THE PRECEDING COURSE, HAVING A RADIUS OF 417.89 FEET THROUGH A CENTRAL ANGLE OF 19° 47' 56". AN ARC LENGTH OF 144.40 FEET: THENCE NORTH 76° 30' 00" WEST, 17.91 FEET; THENCE WESTERLY ALONG A CURVE TO THE LEFT, TANGENT TO THE PRECEDING COURSE, HAVING A RADIUS OF 22.48 FEET THROUGH A CENTRAL ANGLE OF 109° 13' 06", AN ARC LENGTH OF 42.85 FEET TO THE POINT OF REVERSE CURVE ON THE EASTERLY BOUNDARY OF NORTHGATE DRIVE, AS SHOWN ON SAID MAP (12 RM 19); THENCE ALONG SAID EASTERLY BOUNDARY OF NORTHGATE DRIVE (12 RM 19) NORTHERLY ALONG A CURVE TO THE RIGHT, WHOSE CENTER BEARS NORTH 84° 16' 54" EAST, HAVING A RADIUS OF 30.00 FEET THROUGH A CENTRAL ANGLE OF 109° 13' 06", AN ARC LENGTH OF 57.19 FEET TO THE POINT OF

ALSO EXCEPTING THEREFROM THAT PORTION OF SAID LAND AS DESCRIBED IN THE DEED TO THE CITY OF SAN RAFAEL. DATED NOVEMBER 15. 1984. RECORDED JANUARY 11.1985 AS INSTRUMENT

NO. 85001288, MARIN COUNTY RECORDS, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT A POINT ON THE WESTERLY BOUNDARY OF LOS RANCHITOS ROAD, AS SHOWN ON THE "MAP OF NORTHGATE REGIONAL SHOPPING CENTER", RECORDED SEPTEMBER 10, 1963 IN VOLUME 12 OF MAPS AT PAGE 19, MARIN COUNTY RECORDS; AT THE NORTHERLY TERMINUS OF THE COURSE SHOWN AS "SOUTH 29° 23' 52" WEST, 100.00 FEET" ON SAID MAP (12 RM 19); THENCE ALONG SAID WESTERLY BOUNDARY OF LOS RANCHITOS ROAD (12 RM 19) SOUTH 29° 23' 52" WEST, 100.00 FEET AND THENCE SOUTHEASTERLY ALONG A CURVE TO THE LEFT, WHOSE CENTER BEARS SOUTH 60° 35' 50" EAST, HAVING A RADIUS OF 780.00 FEET THROUGH A CENTRAL ANGLE OF 3° 31' 22", AN ARC LENGTH OF 47.96 FEET; THENCE LEAVING SAID WESTERLY BOUNDARY (12 RM 19) NORTHEASTERLY ALONG A CURVE TO THE LEFT, WHOSE CENTER BEARS NORTH 64' 07' 12" WEST, HAVING A RADIUS OF 32.00 FEET THROUGH A CENTRAL ANGLE OF 24° 34' 59", AN ARC LENGTH OF 13.73 FEET; THENCE NORTHEASTERLY ALONG A REVERSE CURVE TO THE RIGHT, WHOSE CENTER BEARS SOUTH 88° 42' 11" EAST, HAVING A RADIUS OF 48.00 FEET THROUGH A CENTRAL ANGLE OF 21° 45' 26", AN ARC LENGTH OF 18.23 FEET; THENCE NORTH 23° 03' 15" EAST, 43.20 FEET; THENCE NORTHEASTERLY ALONG A CURVE TO THE RIGHT, TANGENT TO THE PRECEDING COURSE, HAVING A RADIUS OF 100.00 FEET THROUGH A CENTRAL ANGLE OF 16° 40' 58", AN ARC LENGTH OF 29.12 FEET; THENCE NORTH 39° 44' 13" EAST, 24.02 FEET; THENCE NORTHEASTERLY ALONG A CURVE TO THE RIGHT, TANGENT TO THE PRECEDING COURSE, HAVING A RADIUS OF 58.00 FEET THROUGH A CENTRAL ANGLE OF 12° 41' 56", AN ARC LENGTH OF 12.86 FEET; THENCE NORTHEASTERLY ALONG A REVERSE CURVE TO THE LEFT, WHOSE CENTER BEARS NORTH 37° 33' 51" WEST, HAVING A RADIUS OF 42.00 FEET, THROUGH A CENTRAL ANGLE OF 23° 27' 17", AN ARC LENGTH OF 17.91 FEET TO SAID WESTERLY BOUNDARY OF LOS RANCHITOS ROAD (12 RM 19); THENCE ALONG SAID WESTERLY BOUNDARY (12 RM 19), SOUTHWESTERLY ALONG A CURVE TO THE RIGHT, WHOSE CENTER BEARS NORTH 61° 01' 08" WEST, HAVING A RADIUS OF 970.00 FEET THROUGH A CENTRAL ANGLE OF 0° 25' 06", AN ARC LENGTH OF 7.08 FEET TO THE POINT OF BEGINNING.

APN: 175-060-12, 175-060-40, 175-060-59, 175-060-61, 175-060-66, & 175-060-67

SITE RESTRICTIONS

PENDING ZONING REPORT.

ITEMS CORRESPONDING TO SCHEDULE "B":

BY: COMMONWEALTH LAND TITLE COMPANY COMMITMENT NO.: 09170504-917-MCM-JM0 888 S. FIGUEROA STREET, SUITE 2100 TITLE OFFICER: JEFF MARTIN LOS ANGELES, CA 90017 DATED: OCTOBER 19, 2016 (925)288-8062

THE FOLLOWING ITEMS WERE FOUND IN SAID COMMITMENT AND ARE REFERENCED ON THIS MAP. COVENANTS AND AGREEMENTS LISTED HEREON CONTAIN NUMEROUS ITEMS THAT AFFECT THE SUBJECT PROPERTY, CONTENTS SHOULD BE REVIEWED TO DISCERN SPECIFICS

- EASEMENT FOR PIPELINE PURPOSE, TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL THERETO, RECORDED JUNE 20, 1960, INSTRUMENT NO. 16695, BOOK 1378, PAGE 342, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- AN UNRECORDED LEASE WITH CERTAIN TERMS, COVENANTS, CONDITIONS AND PROVISIONS RECORDED OCTOBER 19, 1962 AS INSTRUMENT NO. 37384, BOOK 1622, PAGE 232. ASSIGNMENT OF LESSOR'S INTEREST TO M & T INCORPORATED RECORDED JANUARY 13, 1966, INSTRUMENT NO. 1317, BOOK 2016

LEASE WAS AMENDED BY MODIFICATION LETTERS DATED MAY 12, 1964, JANUARY 25, 1965 AND AUGUST 19, 1970 AS DISCLOSED BY THE AMENDMENT TO LEASE RECORDED MAY 9, 1975, INSTRUMENT NO. 14942, BOOK 2893, PAGE 538, OFFICIAL RECORDS.

AN AGREEMENT TO AMEND OR MODIFY CERTAIN PROVISIONS OF SAID LEASE. AS SET FORTH IN THE DOCUMENT RECORDED: MAY 9, 1975, INSTRUMENT NO. 14942, BOOK 2893, PAGE 538, OF OFFICIAL

A DEED AND ASSIGNMENT OF LESSEE'S INTEREST UNDER SAID LEASE FROM CARTER HAWLEY HALE STORES, INC. A CALIFORNIA CORPORATION SUCCESSOR TO THE EMPORIUM CAPWELL COMPANY TO BROAD RAFAEL PROPERTIES CORPORATION, A DELAWARE CORPORATION RECORDED MAY 9, 1975, INSTRUMENT NO. 14943, BOOK 2893, PAGE 552, OFFICIAL RECORDS.

DEED OF LESSEE'S INTEREST FROM BROAD RAFAEL PROPERTIES CORP., A DELAWARE CORPORATION TO BROAD RAFAEL ASSOCIATES (LIMITED PARTNERSHIP), A PENNSYLVANIA LIMITED PARTNERSHIP RECORDED NOVEMBER 26, 1975, INSTRUMENT NO. 44115, BOOK 2967, PAGE 15, OFFICIAL RECORDS.

AN ASSIGNMENT OF LESSEE'S INTEREST FROM BROAD RAFAEL PROPERTIES CORP., A DELAWARE CORPORATION TO BROAD RAFAEL ASSOCIATES (LIMITED PARTNERSHIP), A PENNSYLVANIA LIMITED PARTNERSHIP RECORDED NOVEMBER 26, 1975, INSTRUMENT NO. 44115, BOOK 2967, PAGE 21, OFFICIAL

AN ASSIGNMENT AND ASSUMPTION OF LESSOR'S INTEREST IN LEASES AND IN GROUND LEASES RECORDED

ASSUMPTION AGREEMENT EXECUTED BY BROAD RAFAEL ASSOCIATES (LIMITED PARTNERSHIP), A PENNSYLVANIA LIMITED PARTNERSHIP RECORDED SEPTEMBER 8, 1976, INSTRUMENT NO. 39951, BOOK 3084, PAGE 168, OFFICIAL RECORDS.

DECEMBER 4, 1985 AS INSTRUMENT NO. 85053831 AND 85053832 AN INSTRUMENT ENTITLED "NONDISTURBANCE AND ATTORNMENT AGREEMENT" DATED DECEMBER 23, 2009, BY AND AMONG BROAD RAFAEL ASSOCIATES (LIMITED PARTNERSHIP), A PENNSYLVANIA LIMITED PARTNERSHIP. NORTHGATE MALL ASSOCIATES. A CALIFORNIA GENERAL PARTNERSHIP. AND U.S. BANK NATIONAL ASSOCIATION, A NATIONAL BANKING ASSOCIATION, RECORDED DECEMBER 31, 2009, INSTRUMENT NO. 2009-72021, OFFICIAL RECORDS, AND BEING SUBJECT TO THE TERMS, CONDITIONS AND

PROVISIONS THEREIN. ALL OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY BUT IS

EASEMENT FOR RIGHT OF WAY TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL THERETO, RECORDED SEPTEMBER 1, 1963, INSTRUMENT NO. 35112, BOOK 1722, PAGE 522, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

BLANKET IN NATURE AND NOT PLOTTED HEREON.

- EASEMENT FOR STORM DRAIN EASEMENTS. PUBLIC UTILITIES EASEMENTS. DEDICATED ON MAP FILED SEPTEMBER 15, 1963, IN BOOK 12, PAGE 19, OF MAPS. A PORTION OF SAID PUBLIC UTILITY EASEMENT WAS ABANDONED BY RESOLUTION OF THE CITY OF SAN RAFAEL, RECORDED JANUARY 8, 1971 IN BOOK 2429 OF OFFICIAL RECORDS AT PAGE 91 AS INSTRUMENT NO. 751, MARIN COUNTY RECORDS. THE EASEMENT SHOWN AS "EXISTING 10' P.T.&T. EASEMENT (620 OR 365)" WAS QUITCLAIMED BY PACIFIC TELEPHONE AND TELEGRAPH COMPANY BY THAT CERTAIN INSTRUMENT RECORDED NOVEMBER 20,1963 IN BOOK 1751 OF OFFICIAL RECORDS AT PAGE 976 AS INSTRUMENT NO. 47055, MARIN COUNTY THE EASEMENT SHOWN AS "EXIST, 10" P.T.&T. EASEMENT (NOT OF RECORD)" WAS RECORDED NOVEMBER 26, 1962 IN BOOK 1634 OF OFFICIAL RECORDS AT PAGE 60 AS INSTRUMENT NO. 42036 AND QUITCLAIMED BY THOSE CERTAIN INSTRUMENTS RECORDED NOVEMBER 8, 1971 IN BOOK 2517 OF
- SERIAL NO. 85-001419. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON. EASEMENT FOR PIPE LINE AND ACCESS PURPOSES TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL, RECORDED JANUARY 2, 1964, INSTRUMENT NO. 165, BOOK 1765, PAGE 562, OFFICIAL RECORDS. A PORTION OF SAID EASEMENT WAS QUITCLAIMED BY THOSE CERTAIN INSTRUMENT RECORDED NOVEMBER 8,1971 IN BOOK 2517 OF OFFICIAL RECORDS AT PAGE 80 AS INSTRUMENT NO. 40494 AND OCTOBER 28, 1965 UNDER RECORDER'S SERIAL NO. 85-047268, MARIN COUNTY RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

OFFICIAL RECORDS AT PAGE 78 AS INSTRUMENT NO. 40493 AND JANUARY 14, 1985 UNDER RECORDER'S

- EASEMENT FOR PIPE LINE AND TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL, RECORDED APRIL 23. 1965. INSTRUMENT NO. 14319. BOOK 1933. PAGE 217. OFFICIAL RECORDS. A PORTION OI SAID EASEMENTS WERE QUITCLAIMED BY THAT CERTAIN INSTRUMENT RECORDED OCTOBER 28, 1985 UNDER RECORDER'S SERIAL NO. 85-047268, MARIN COUNTY RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- EASEMENT FOR PIPE LINE AND TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL, RECORDED OCTOBER 21, 1969, INSTRUMENT NO. 30578, BOOK 2334, PAGE 318, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY ASSUMING THAT THE MENTIONED COURSE OF NORTHGATE DRIVE BEARS N 58°00'00" W AND IS PLOTTED HEREON.
- EASEMENT FOR PUBLIC UTILITIES AND TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL, RECORDED JANUARY 6, 1971, INSTRUMENT NO. 387, BOOK 2428, PAGE 198, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- EASEMENT FOR COMMUNICATION FACILITIES, TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL, RECORDED JANUARY 6, 1971, INSTRUMENT NO. 2576, BOOK 2433, PAGE 22, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- EASEMENT FOR COMMUNICATION FACILITIES. TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL RECORDED JANUARY 28, 1971, INSTRUMENT NO. 2577, BOOK 2433, PAGE 23, OFFICIAL RECORDS. SAID EASEMENT WAS QUITCLAIMED BY THAT CERTAIN DOCUMENT INSTRUMENT RECORDED NOVEMBER 5, 1985 UNDER RECORDERS SERIAL NO. 85-048930, MARIN COUNTY RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- EASEMENT FOR PIPE LINE AND TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL, RECORDED MARCH 9, 1971, INSTRUMENT NO. 6679, BOOK 2442, PAGE 198, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- COVENANTS, CONDITIONS AND RESTRICTIONS, RECORDED MARCH 10, 1971, INSTRUMENT NO. 6805, BOOK 2442, PAGE 401, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY BUT IT IS BLANKET IN NATURE AND IS NOT PLOTTED HEREON.
- UNRECORDED LEASE WITH CERTAIN TERMS, CONVENANTS, CONDITIONS AND PROVISIONS RECORDED MARCH D. 1971 AS INSTRUMENT NO. 6806, BOOK 2442, PAGE 502 OF OFFICIAL RECORDS. THIS ITEM AFFECTS
- THE SUBJECT PROPERTY BUT IS BALNKET IN NATURE AND NOT PLOTTED HEREON. EASEMENT FOR RIGHT OF WAY FOR PIPE LINE TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL RECORDED MAY 20, 1971, INSTRUMENT NO. 16028, BOOK 2464, PAGE 362, OFFICIAL RECORDS. THIS ITEM
- AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON. EASEMENT FOR RIGHT OF WAY FOR UNDERGROUND PUBLIC UTILITIES WITH APPURTENANCES AND RIGHTS INCIDENTAL. RECORDED MARCH 30, 1972, INSTRUMENT NO. 10971, BOOK 2554, PAGE 21, OFFICIAL
- RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON. EASEMENT FOR RIGHT OF WAY FOR PIPELINES WITH APPURTENANCES AND RIGHTS INCIDENTAL, RECORDED APRIL 19, 1972, INSTRUMENT NO. 13723, BOOK 2560, PAGE 2, OFFICIAL RECORDS. A PORTION OF SAID EASEMENTS WERE QUITCLAIMED BY THAT CERTAIN INSTRUMENT RECORDED OCTOBER 28, 1985 UNDER RECORDER'S SERIAL NO. 85-047268, MARIN COUNTY RECORDS. THIS ITEM AFFECTS THE SUBJECT
- PROPERTY AND IS PLOTTED HEREON. UNRECORDED LEASE WITH CERTAIN TERMS, COVENANTS, CONDITIONS AND PROVISIONS RECORDED MAY 9, 1975 AS INSTRUMENT NO. 14944, BOOK 2893, PAGE 562 OF OFFICIAL RECORDS. DEED OF LESSEE'S INTEREST FROM BROAD RAFAEL PROPERTIES CORP., A DELAWARE CORPORATION TO
- NOVEMBER 26, 1975, INSTRUMENT NO. 44115, BOOK 2967, PAGE 15, OFFICIAL RECORDS. AN ASSIGNMENT OF LESSEE'S INTEREST FROM BROAD RAFAEL PROPERTIES CORP., A DELAWARE CORPORATION TO BROAD RAFAEL ASSOCIATES (LIMITED PARTNERSHIP), A PENNSYLVANIA LIMITED PARTNERSHIP RECORDED NOVEMBER 26, 1975, INSTRUMENT NO. 44115, BOOK 2967, PAGE 21, OFFICIAL

BROAD RAFAEL ASSOCIATES (LIMITED PARTNERSHIP). A PENNSYLVANIA LIMITED PARTNERSHIP RECORDED

ASSUMPTION AGREEMENT EXECUTED BY BROAD RAFAEL ASSOCIATES (LIMITED PARTNERSHIP). A PENNSYLVANIA LIMITED PARTNERSHIP RECORDED SEPTEMBER 8, 1976, INSTRUMENT NO. 39951, BOOK 3084, PAGE 168, OFFICIAL RECORDS.

AN ASSIGNMENT OF LEASE AND AGREEMENT BY WALDEN BOOK COMPANY, INC., A NEW YORK CORPORATION TO CHH REALTY, INC., A CALIFORNIA CORPORATION RECORDED OCTOBER 12, 1984, INSTRUMENT NO. 84048570, OFFICIAL RECORDS.

AN ASSIGNMENT AND ASSUMPTION AGREEMENT DATED JANUARY 31, 1999 FROM BROADWAY STORES, INC. A DELAWARE CORPORATION FORMERLY CARTER HAWLEY HALE STORES, INC. SUCCESSOR BY VARIOUS MESNE MERGERS TO CARTER HAWLEY HALE STORES, INC. A CALIFORNIA CORPORATION, BROADWAY-HALE STORES, INC., THE EMPORIUM CAPWELL COMPANY AND BROADWAY DEPARTMENT STORES, INC. TO FEDERATED WESTERN PROPERTIES, INC., AN OHIO CORPORATION, RECORDED AUGUST 3, 2000, INSTRUMENT NO. 2000-0039709, OFFICIAL RECORDS.

2009, BY AND AMONG BROAD RAFAEL ASSOCIATES (LIMITED PARTNERSHIP), A PENNSYLVANIA LIMITED PARTNERSHIP, NORTHGATE MALL ASSOCIATES, A CALIFORNIA GENERAL PARTNERSHIP, AND U.S. BANK NATIONAL ASSOCIATION, A NATIONAL BANKING ASSOCIATION, RECORDED DECEMBER 31, 2009, INSTRUMENT NO. 2009-72021, OF OFFICIAL RECORDS, AND BEING SUBJECT TO THE TERMS. CONDITIONS AND PROVISIONS THEREIN. THIS ITEM AFFECTS THE SUBJECT PROPERTY BUT IS BLANKET IN NATURE AND NOT PLOTTED HEREON.

AN INSTRUMENT ENTITLED "NONDISTURBANCE AND ATTORNMENT AGREEMENT" DATED DECEMBER 23,

- EASEMENT FOR UNDERGROUND PIPES FOR THE CONVEYANCE OF GAS. TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL, RECORDED OCTOBER 9, 1984, INSTRUMENT NO. 84-47918, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY BUT THE EXACT LOCATION OF SAID EASEMENT CAN NOT BE DETERMINED DUE TO ILLEGIBLE EXHIBIT AND IS NOT PLOTTED HEREON.
- EASEMENT FOR PIPELINE TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL, RECORDED MARCH 4, 1985, INSTRUMENT NO. 85-9867, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY
- EASEMENT FOR UNDERGROUND CONDUITS PIPES MANHOLES ETC., TOGETHER WITH APPURTENANCES AND ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

UNRECORDED LEASE WITH CERTAIN TERMS, COVENANTS, CONDITIONS AND PROVISIONS RECORDED NOVEMBER 14, 1985 AS INSTRUMENT NO 85050401 OF OFFICIAL RECORDS.

AN ASSIGNMENT AND ASSUMPTION OF LESSOR'S INTEREST IN LEASES FROM M & T PROPERTIES, INC. A DELAWARE CORPORATION TO NORTHGATE MALL ASSOCIATES, A CALIFORNIA GENERAL PARTNERSHIP RECORDED DECEMBER 4, 1985, INSTRUMENT NO. 85053831, OFFICIAL RECORDS.

AN ASSIGNMENT AND ASSUMPTION LESSOR'S INTEREST IN GROUND LEASE FROM M & T PROPERTIES, INC. A DELAWARE CORPORATION TO NORTHGATE MALL ASSOCIATES, A CALIFORNIA GENERAL PARTNERSHIP RECORDED DECEMBER 4, 1985, INSTRUMENT NO. 85053832, OFFICIAL RECORDS.

AMENDMENT TO LEASE BY LEASE MODIFICATION LETTER DATED FEBRUARY 17, 1986 AS DISCLOSED BY ASSIGNMENT AND ASSUMPTION OF LEASE RECORDED JANUARY 15, 2008 AS INSTRUMENT NO. 2008-0006283, OFFICIAL RECORDS.

AN AGREEMENT TO AMEND LEASE DATED NOVEMBER 19, 1999 AS DISCLOSED BY ASSIGNMENT AND ASSUMPTION OF LEASE RECORDED JANUARY 15, 2008, AS INSTRUMENT NO. 2008-0006283, OFFICIAL

AN ASSIGNMENT AND ASSUMPTION OF LEASE FROM MERVYN'S LLC, A CALIFORNIA LIMITED LIABILITY COMPANY AS SUCCESSOR BY CONVERSION TO MERVYN'S, A CALIFORNIA CORPORATION TO MACERICH NORTHGATE HOLDINGS LLC, A DELAWARE LIMITED LIABILITY COMPANY RECORDED JANUARY 15, 2008, AS INSTRUMENT NO. 2008-0002683, OFFICIAL RECORDS.

AN INSTRUMENT ENTITLED "NONDISTURBANCE AND ATTORNMENT AGREEMENT" DATED DECEMBER 23, 2009. BY AND AMONG BROAD RAFAEL ASSOCIATES (LIMITED PARTNERSHIP). A PENNSYLVANIA LIMITED PARTNERSHIP, NORTHGATE MALL ASSOCIATES, A CALIFORNIA GENERAL PARTNERSHIP, AND U.S. BANK NATIONAL ASSOCIATION, A NATIONAL BANKING ASSOCIATION, RECORDED DECEMBER 31, 2009, INSTRUMENT NO. 2009-72021, OF OFFICIAL RECORDS, AND BEING SUBJECT TO THE TERMS, CONDITIONS

AN INSTRUMENT ENTITLED "SUBORDINATION. NON-DISTURBANCE AND ATTORNMENT AGREEMENT". DATED DECEMBER 23, 2009, BY AND BETWEEN MACERICH HOLDINGS, LLC, A DELAWARE LIMITED LIABILITY COMPANY AND U.S. BANK. NATIONAL ASSOCIATION. A NATIONAL BANKING ASSOCIATION. AND KOHL'S DEPARTMENT STORES, INC., A DELAWARE CORPORATION, RECORDED DECEMBER 30, 2009, INSTRUMENT NO. 2009-71734. OF OFFICIAL RECORDS AND BEING SUBJECT TO TERMS. CONDITIONS. AND PROVISIONS. CONTAINED THEREIN. THIS ITEM AFFECTS THE SUBJECT PROPERTY BUT IS BLANKET IN NATURE AND NOT

- EASEMENT FOR PUBLIC UTILITY PURPOSES, TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL RECORDED AUGUST 28, 1986, INSTRUMENT NO. 86-47177, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- EASEMENT FOR PUBLIC UTILITY EASEMENT PURPOSES, TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL, RECORDED JUNE 19, 1987, INSTRUMENT NO. 87-41754, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- EASEMENT FOR UNDERGROUND COMMUNICATION FACILITIES, TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL, RECORDED MARCH 18, 1992, INSTRUMENT NO. 92-18650, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON. STRIP #1 REFERENCES TWO 5' WIDE PACIFIC BELL EASEMENTS. THESE STRIPS AFFECT THE SUBJECT PROPERTY BÜT THE EXACT LOCATION COULD NOT BE DETERMINED FROM RECORD.
- EASEMENT FOR COMMUNICATION FACILITIES, TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL RECORDED MARCH 18, 1992, INSTRUMENT NO. 92-18651, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY BUT THE EXACT LOCATION OF SAID EASEMENT IS NOT DISCLOSED OF RECORD AND
- EASEMENT FOR TRAFFIC SIGNAL, TOGETHER WITH APPURTENANCES AND RIGHTS INCIDENTAL, RECORDED APRIL 4, 1996, INSTRUMENT NO. 96-016921, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS APPROXIMATELY PLOTTED HEREON.
- TERMS, COVENANTS, CONDITIONS AND PROVISIONS, MEMORANDUM OF LEASE AND MEMORANDUM OF ASSIGNMENT, RECORDED NOVEMBER 13, 2001, INSTRUMENT NO. 2001-0075385, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY BUT IT IS BLANKET IN NATURE AND IS NOT PLOTTED HEREON.
- DOCUMENT ENTITLED MEMORANDUM OF LEASE RECORDED JANUARY 15, 2008 AS INSTRUMENT NO. 2008-0002684 OF OFFICIAL RECORDS.

MATTERS CONTAINED IN THAT CERTAIN DOCUMENT ENTITLED "ASSIGNMENT AND ASSUMPTION OF LEASE" DATED JANUARY 30, 2009, EXECUTED BY AND BETWEEN MERVYN'S LLC, A CALIFORNIA LIMITED LIABILITY COMPANY, AND KOHL'S DEPARTMENT STORES, INC., RECORDED FEBRUARY 6, 2009, INSTRUMENT NO. 2009-0004922, OF OFFICIAL RECORDS.

REFERENCE IS HEREBY MADE TO SAID DOCUMENT FOR FULL PARTICULARS.

ALL RIGHTS AND INTEREST OF MERYVN'S LLC TO THE BUILDING AND IMPROVEMENTS WERE QUITCLAIMED TO KOHL'S DEPARTMENT STORES, INC. BY A QUITCLAIM DEED RECORDED FEBRUARY 6, 2009, INSTRUMENT NO. 2009-0004923, OF OFFICIAL RECORDS.

AN INSTRUMENT ENTITLED "SUBORDINATION, NON-DISTURBANCE AND ATTORNMENT AGREEMENT," DATED DECEMBER 23, 2009, BY AND AMONG MACERICH NORTHGATE HOLDINGS, LLC, A DELAWARE LIMITED LIABILITY COMPANY AND U.S. BANK. NATIONAL ASSOCIATION. A NATIONAL BANKING ASSOCIATION AND KOHL'S DEPARTMENT STORES, INC. A DELAWARE CORPORATION, RECORDED DECEMBER 30, 2009. INSTRUMENT NO. 2009-71734, OF OFFICIAL RECORDS AND BEING SUBJECT TO TERMS, CONDITIONS, AND PROVISIONS, CONTAINED THEREIN. THIS ITEM AFFECTS THE SUBJECT PROPERTY BUT IT IS BLANKET IN NATURE AND IS NOT PLOTTED HEREON.

MATTERS CONTAINED IN DOCUMENT ENTITLED "DEVELOPMENT AGREEMENT" RECORDED JUNE 9, 2008, INSTRUMENT NO. 2008-0026807, OFFICIAL RECORDS.

REFERENCE IS HEREBY MADE TO SAID DOCUMENT FOR FULL PARTICULARS.

A COLLATERAL ASSIGNMENT OF DEVELOPMENT AGREEMENT DATED DECEMBER 23, 2009, EXECUTED BY NORTHGATE MALL ASSOCIATES, A CALIFORNIA GENERAL PARTNERSHIP RECORDED DECEMBER 30, 2009 INSTRUMENT NO. 2009-71733, OF OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY BUT IT IS BLANKET IN NATURE AND IS NOT PLOTTED HEREON.

- MATTERS CONTAINED IN DOCUMENT ENTITLED "LICENSE AND MAINTENANCE AGREEMENT" RECORDED MARCH 11, 2009, INSTRUMENT NO. 2009-0012047, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT
- PROPERTY BUT IT IS BLANKET IN NATURE AND IS NOT PLOTTED HEREON. EASEMENT FOR PUBLIC STORM DRAIN, RECORDED JULY 27, 2009, INSTRUMENT NO. 2009-0042655. OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- EASEMENT FOR PUBLIC STORM DRAIN, RECORDED JULY 27, 2009, INSTRUMENT NO. 2009-0042656, OFFICIAL RECORDS. THIS ITEM AFFECTS THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT DISCLOSED BY THE PUBLIC RECORDS. THE EXTENT TO WHICH THIS ITEM AFFECTS THE SUBJECT PROPERTY CAN NOT BE DETERMINED FROM THE
- TITLE REPORT OR DOCUMENTS PROVIDED AND IS NOT PLOTTED HEREON. ANY RIGHTS OF THE PARTIES IN POSSESSION OF A PORTION OF, OR ALL OF, SAID LAND, WHICH RIGHTS ARE NOT DISCLOSED BY THE PUBLIC RECORDS. THE EXTENT TO WHICH THIS ITEM AFFECTS THE SUBJECT PROPERTY CAN NOT BE DETERMINED FROM THE TITLE REPORT OR DOCUMENTS PROVIDED AND IS NOT

EMS #'S SHOWN HEREON ARE STATED AS EXCEPTIONS ON ABOVE REFERENCED COMMITMENT. NO RESPONSIBILITY FOR THE COMPLETENESS, ACCURACY, OR CONTENT OF SAID REPORT IS ASSUMED

	_	CHAIN LINK FENCE	£	_	HANDICAP
,	_	CALTRANS PULLBOX			
	_	DRAIN INLET EAST	$\boldsymbol{\sigma}$	_	FIRE HYDRANT
		ELECTRIC CABINET	F		ELECTRIC METER
		ELECTRIC PULLBOX	E	_	ELECTRIC METER
-	_	EMERGENCY GENERATOR ENCLOSURE	<u>*</u> ;*\	_	POWER POLE
1	_	ELECTRIC MANHOLE			TELEBLIONE MANULO
	_	ELECTRIC TRANSFORMER	\bigcirc	_	TELEPHONE MANHOL
Τ.	_	ELECTRIC VAULT			WATER WALVE
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)	_	FIRE SERVICE CONNECTION		_	SIGN
′	_	FIRE SERVICE VALVE	O		0.0.1
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Ξ	_	WOOD GAS METER ENCLOSURE	(S)	_	SEWER MANHOLE
	_	GUARD POST			
?	_	HANDICAP RAMP			55 AU 1511 5T

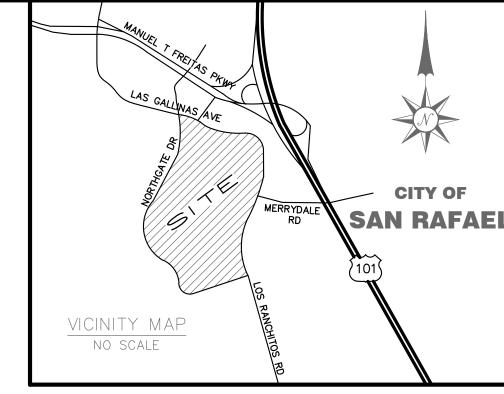
HANDHOLD LIGHT POLE MONUMENT SIGN NORTH NORTHEAST NORTHWEST

HANDICAP SIGN

PARALLEL PARKING STALLS PARKING STALL (S) SOUTH SOUTHEAST

SOUTHWEST TELEPHONE VAULT UVLT UTILITY VAULT VHM VENT MANHOLE

 UTILITY MANHOLE WEST WATER VALVE



FUTURE SURVEY NOTE

- THIS AREA HAS BEEN CHANGED SINCE THE LAST FIELD SURVEY AND HAS BEEN APPROXIMATELY SHOWN HEREON USING SATELLITE IMAGRY. A FIELD CREW WILL BE DISPATCHED TO ACCURATELY LOCATE THE FEATURES WITHIN THIS AREA.

FLOOD NOTE:

ZONE - "X" PER FEDERAL EMERGENCY MANAGEMENT AGENCY MAP NO. 06041C 0293 EFFECTIVE MARCH 16, 2016.

ZONE "X" DENOTES AREAS SUBJECT TO MINIMAL FLOODING

THE ABOVE STATEMENT IS FOR INFORMATION ONLY AND THIS SURVEYOR ASSUMES NO LIABILITY FOR THE CORRECTNESS OF THE CITED MAP(S). IN ADDITION, THE ABOVE STATEMENT DOES NOT REPRESENT THIS SURVEYOR'S OPINION OF THE PROBABILITY OF

SURVEYOR'S NOTES:

-THERE WERE NO MONUMENTS FOUND OR SET AT THE PROPERTY LINE CORNERS UNLESS OTHERWISE NOTED. -THE INFORMATION, COURSES AND DISTANCES SHOWN ON THIS SURVEY PRINT ARE TRUE AND CORRECT. THIS SURVEY ACCURATELY REPRESENTS THE BOUNDARIES AND AREA OF THE PREMISES DENOTED ON THE TITLE ORDER REFERENCED HEREON AND IS THE SAME PROPERTY AS DESCRIBED THEREIN. -AT THE TIME OF SURVEY, NO EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR ADDITIONS WERE OBSERVED UNLESS OTHERWISE NOTED HEREON. -NO RECENT CHANGES IN STREET RIGHTS-OF-WAY WERE OBSERVED AT THE TIME OF THE SURVEY UNLESS OTHERWISE NOTED HEREON. -THE ACCOMPANYING SURVEY WAS MADE ON THE GROUNDS AND CORRECTLY SHOWS THE LOCATION OF ALL BUILDINGS, STRUCTURES AND OTHER IMPROVEMENTS SITUATED ON THE SURVEYED PROPERTY: AND THAT THE SURVEYED PROPERTY DESCRIBED HEREON IS THE SAME AS THE PROPERTY DESCRIBED IN $\,$ TITLE COMMITMENT NO. 09170504-917-MCM-JMO DATED OCTOBER 19, 2016, PREPARED BY JEFFERY L. MAYS, AND THAT ALL EASEMENTS, COVENANTS AND RESTRICTIONS REFERENCED IN SAID TITLE COMMITMENT HAVE BEEN PLOTTED HEREON OR OTHERWISE NOTED AS TO THEIR EFFECT ON THE SURVEYED PROPERTY; THAT THERE ARE NO BUILDING ENCROACHMENTS ON THE SURVEYED PROPERTY OR UPON ADJACENT LAND ABUTTING SAID PROPERTY UNLESS SHOWN HEREON. -THE SURVEYED PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION "X" BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, ON FLOOD INSURANCE RATE MAP NO. 06041C 0293 E, WITH A DATE OF IDENTIFICATION OF MARCH 16, 2016, FOR COMMUNITY NO. 060173, IN MARIN COUNTY, STATE OF CALIFORNIA, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PROPERTY IS SITUATED. -THE SURVEYED PROPERTY HAS DIRECT ACCESS TO NORTHGATE DRIVE & LAS GALLINAS AVENUE, A DEDICATED PUBLIC STREET, HIGHWAY OR PRIVATE DRIVE. -THE NUMBER OF PARKING SPACES LOCATED ON THE SURVEYED PROPERTY IS 2,874 -THIS SURVEY HAS BEEN PREPARED FOR TITLE INSURANCE PURPOSES ONLY. THIS SURVEY DOES NOT CONTAIN SUFFICIENT DETAIL FOR DESIGN PURPOSES. THE BOUNDARY DATA AND TITLE MATTERS AS SHOWN HEREON HAVE BEEN DEVELOPED FROM THE REFERENCED TITLE REPORT ONLY. -UNLESS THIS PLAN HAS THE SEAL AND SIGNATURE OF THE SURVEYOR RESPONSIBLE FOR ITS PREPARATION, THIS IN NOT AN AUTHENTIC COPY OF THE ORIGINAL SURVEY AND SHALL NOT BE DEEMED RELIABLE. -JRN CIVIL ENGINEERS ASSUMES NO LIABILITY FOR THE ACCURACY OR COMPLETENESS OF ANY THIRD PARTY INFORMATION REFERENCED OR REPRESENTED HEREON. ANY OF SAID INFORMATION SHOWN HEREON HAS BEEN PROVIDED FOR INFORMATIONAL PURPOSES ONLY. -AS OUTLINED IN SECTION 8770.6 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA THE USE OF THE WORD CERTIFY OR CERTIFICATION BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER IN THE PRACTICE OF PROFESSIONAL ENGINEERING OR LAND SURVEYING OR THE PREPARATION OF MAPS. PLATS, REPORTS, DESCRIPTIONS OR OTHER SURVEYING DOCUMENTS ONLY CONSTITUTES AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THOSE FACTS OR FINDINGS WHICH ARE THE SUBJECT OF THE CERTIFICATION, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EITHER EXPRESSED OR IMPLIED.

TO NORTHGATE MALL ASSOCIATES, A CALIFORNIA GENERAL PARTNERSHIP AND COMMONWEALTH LAND TITLE COMPANY:

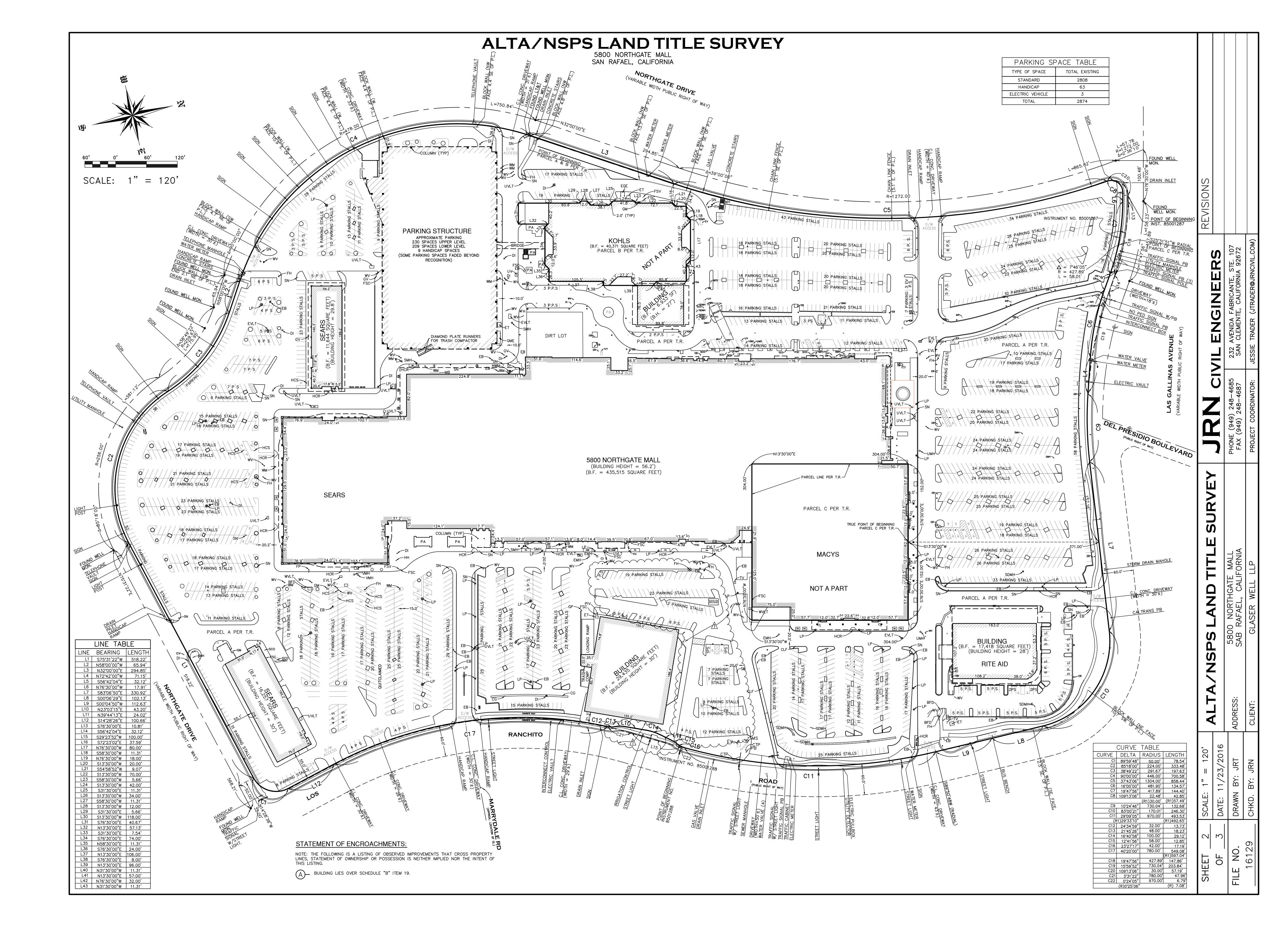
THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 6(A), 6(B), 7(A), 7(B1), 7(C), 8, 9, 10(A), 13, 14, 16, 17, 18 AND 20 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON NOVEMBER 17, 2016. DATE OF PLAT OR MAP: NOVEMBER 22, 2016

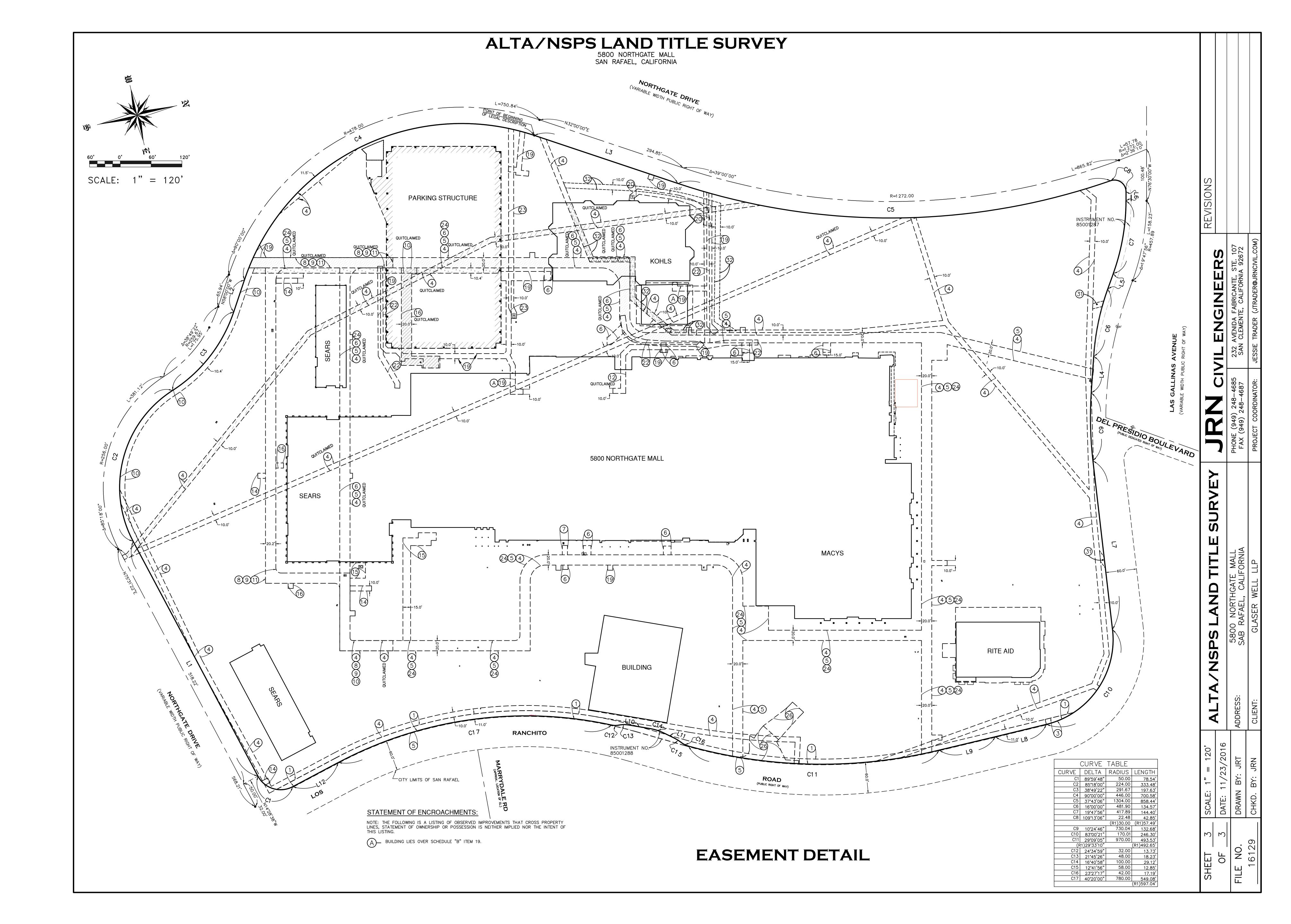


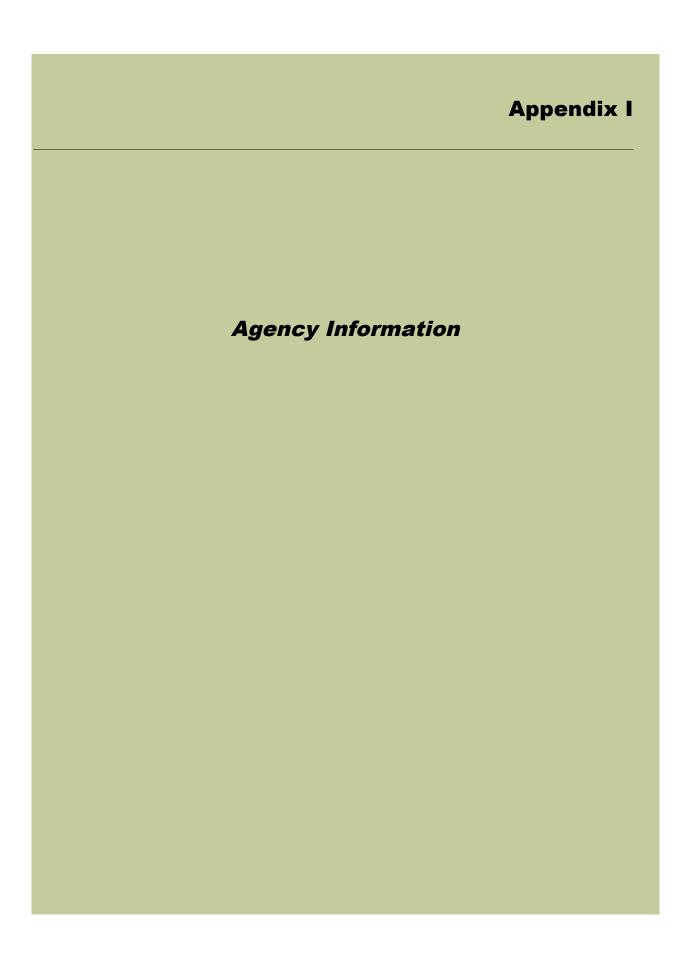


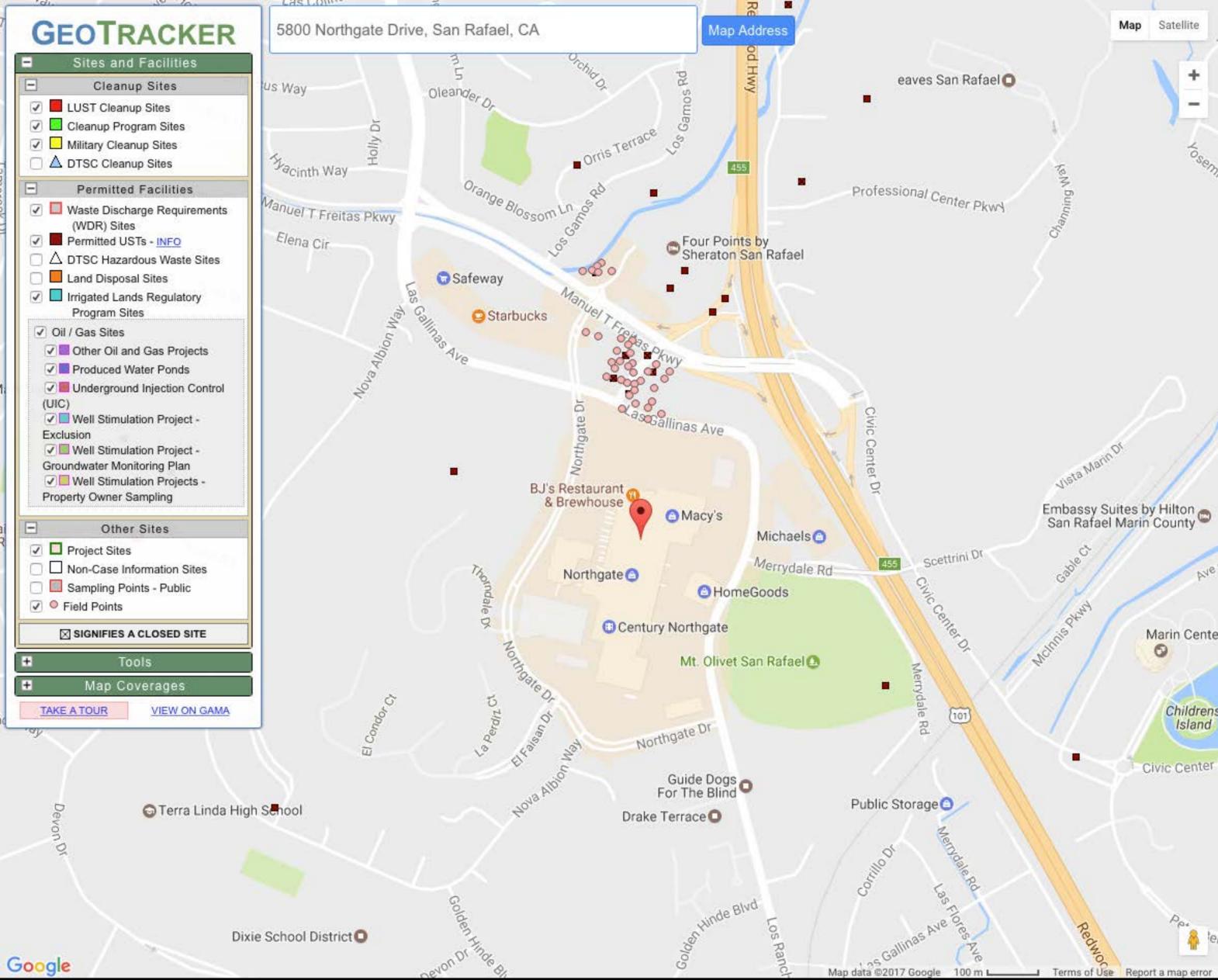
LAND AREA: 1,949,781 SQUARE FEET

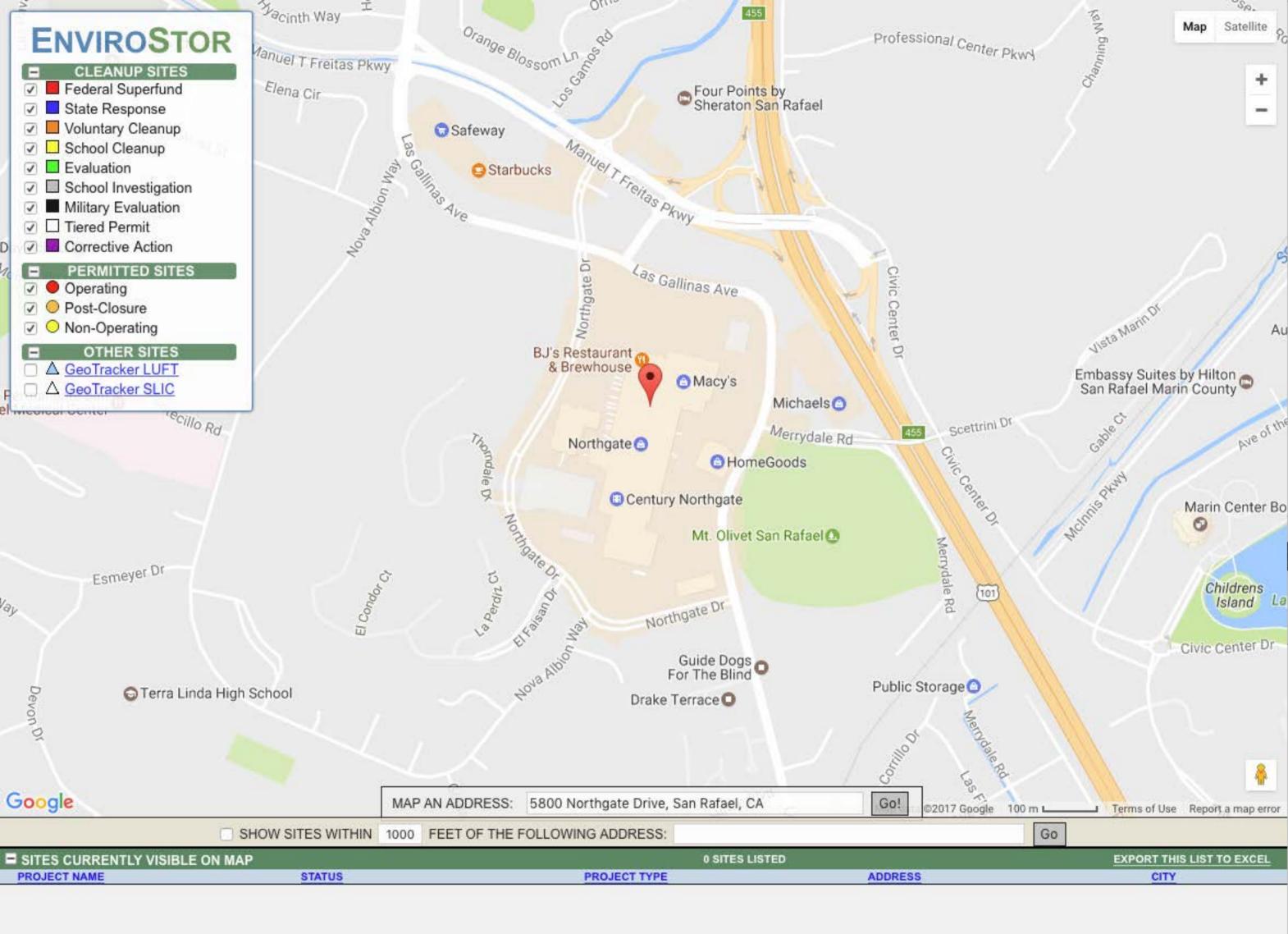
41.61 ACRES











GEOTRACKER SITES

SITE NAME	GLOBAL ID	FAC ID	SITE_TYPE	STATUS	ADDRESS	CITY	LATITUDE	LONGITUDE
ART'S AUTO CARE	T0604100257		LUST CLEANUP SITE	COMPLETED - CASE CLOSE	D 1005 NORTHGATE DR	SAN RAFAEL	38.00857339	-122.5451303
CHEVRON	T0604100157		LUST CLEANUP SITE	COMPLETED - CASE CLOSE	D 949 DEL PRESIDIO BLVD	SAN RAFAEL	38.00721746	-122.544518
CHEVRON STATION #93553		300036			949 DEL PRESIDIO BLVD.	SAN RAFAEL	38.0086119	-122.5432917
CONOCOPHILLIPS	T0604141609		LUST CLEANUP SITE	COMPLETED - CASE CLOSE	D 921 DEL PRESIDIO	SAN RAFAEL	38.0068531	-122.5447708
EXXON STATION #7-7067		300083			930 DEL PRESIDIO BLVD.	SAN RAFAEL	38.0079359	-122.5427187
FORMER EXXON 7-7067	T0604100047		LUST CLEANUP SITE	COMPLETED - CASE CLOSE	D 930 DEL PRESIDIO BLVD	SAN RAFAEL	38.00659631	-122.5444416
GATEWAY GAS		300370			1005 NORTHGATE DRIVE	SAN RAFAEL	38.00987	-122.5439332
GUIDE DOGS FOR THE BLIND		300184			350 LOS RANCHITOS ROAD	SAN RAFAEL	38.001821	-122.53912
KAISER MEDICAL CENTER	T0604100190		LUST CLEANUP SITE	COMPLETED - CASE CLOSE	D 99 MONTECILLO RD	SAN RAFAEL	38.005851	-122.554915
KAISER PERMANENTE MEDICAL CENTER		300181			99 MONTECILLO ROAD	SAN RAFAEL	38.005314	-122.553939
MARIN COUNTY - GARAGE		600275			3501 CIVIC CENTER DR. (GARAGE & ADMIN. BLDG.)	SAN RAFAEL	38.00066	-122.53517
MARIN COUNTY - SANTA VENETIA		600274			NEXT TO 79 VENDOLA AVE.	SAN RAFAEL	38.01034	-122.54551
NORTHGATE SHELL		300024			950 DEL PRESIDIO	SAN RAFAEL	38.0081544	-122.542451
PACIFIC BELL	T0604100162		LUST CLEANUP SITE	COMPLETED - CASE CLOSE	D 7 PROFESSIONAL PKWY	SAN RAFAEL	38.010062	-122.54085
PACIFIC BELL W3053		300202			7 PROFESSIONAL CENTER PARKWAY	SAN RAFAEL	38.011412	-122.539515
SHELL	T0604100126		LUST CLEANUP SITE	COMPLETED - CASE CLOSE	D 950 DEL PRESIDIO BLVD	SAN RAFAEL	38.00695877	-122.5439501
TERRA LINDA CAR WASH		300371			921 DEL PRESIDIO BLVD.	SAN RAFAEL	38.0083228	-122.5435931
UNOCAL	T0604100148		LUST CLEANUP SITE	COMPLETED - CASE CLOSE	D 929 DEL PRESIDIO BLVD	SAN RAFAEL	38.0072274	-122.5440519
VILLA MARIN HOMEOWNERS ASSOCIATION		300478			100 THORNDALE DRIVE	SAN RAFAEL	38.0053351	-122.5480784
		300486	<u> </u>	<u> </u>	320 NOVA ALBION WAY	SAN RAFAEL	37.9998272	-122.551785



Fire Chief Robert E. Marcucci

September 6, 2001

Mr. Dennis Puccetti Sears San Rafael unit #1528 9000 Northgate Mall San Rafael, CA 94903

Re: Modification of Building Exiting Arrangement, 9000 Northgate Mall (San Rafael Building Permit B0108-057)

Mr. Puccetti:

Thank you for your submittal regarding plans to delete the bank of glass panel doors from the north-east corner of the building (between column lines J & K, along column line 1). These doors have historically served as a customer entrance and exit. Your proposal also includes the immobilization of two door leafs at the west entrance (opposite the garden/service center).

I have completed an analysis of the exiting requirements based on the second floor occupant loading and current code requirements. Your current plans to delete the bank of doors and leave in place the single leaf metal door at that location complies with current code requirements. Assuming the remaining door has a 32" clear width when open, the allowable occupant load for the second story would be 640 persons. This occupant load figure assumes that three other similar doors are provided around the floor plan for exiting from the second floor. For reference purposes, an occupant load of 640 would allow the following configuration: 33,000 sq. ft. of retail sales floor area, 14,800 sq. ft. of stock room, 3000 sq. ft. of office area and 2400 sq. ft. of mechanical service area.

As we discussed on 9/4, the portion the proposal calling for time delay egress door hardware would only be acceptable if a smoke detection system were installed throughout the building. Based on our conversation its my understanding that this portion of the original proposal has been dropped so this is not an issue requiring resolution. You may at your option employ alarmed exit hardware without any restrictions.

Fire Department Offices: 1039 C Street, San Rafael, CA 94901 Administration: (415) 485-3304 Fire Prevention: (415) 485-3308



Mr. Dennis Puccetti 09/06/01 Page 2

One item not specifically addressed in the proposal is exit designation. As we discussed during our first meeting on this issue, an illuminated exit sign mounted to be visible from the sales floor should be added to direct persons to the sole remaining exit door at the effected corner. Also, steps must be taken at the west entrance to avoid confusing the immobilized door leafs with the active leafs. Appropriate steps include the removal of any door pull or similar hardware from the doors and the addition of markings or other architectural features (such as visibility dots, wainscoting, decorative planters, etc.) to clearly communicate to the public that the door leafs have become side lights.

While I realize that the San Rafael Building Department has already issued you a permit to proceed with this project I would like to thank you for taking the extra step of soliciting our input on this issue. I hope you will find that approaching this type of project in such a proactive manner will result in a smoother project timeline with less chance for unexpected delays or revisions. If you have any questions regarding any of the requirements outlined above please contact this office at (415) 485-3308.

Sincerely,

STEVEN RIGGS

Fire Inspector

Cc: file

PERMIT Date 8/1/7/01 1400 Fifth Avenue San Rajael, CA 94901 485-3365 9600 Job Address: Orenor Contractor's Name: PERMIT ACCT. AMOUNT BLDG 101-2204 ELEC. 01-2205 PLUMB./HEAT 01-2206 PLAN CHECK 01/6360 S.M.I.R 01:77:10 BEDRM, TAX 250-6625-1125 PLAN RET. 01,6802 DEV. TAX 01-1123 **□CASH** CHECK-TOTALDUE THIS IS YOUR PERMIT WHEN VALIDATED Issued By:

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(This is not a license or permit)

City of San Rafael

1400 FIFTH AVENUE SAN RAFAEL, CA 94901 **Business License** Citations Cash

485-3051 485-3053

Check **Credit Card**

17 AUB 2001

FKH

31.75

AMOUNT:

DATE:

DESCRIPTION:

309581 RECEIPT # CHECK # CASH

ACCOUNT DISTRIBUTION

001-DA-1650-000-2204-00000 001-DA-1650-000-7710-00000 31.25

0.50

SEARS ROEBUCK

POST IN A CONSPICUOUS PLACE ON THE JOB

City of San Rafael INSPECTION RECORD

Building Division, Rm. 300, 1400 5th Avenue 415 485-3365

Permit No. Bolo8- Job Address 900 7	Date (6-17-10)
Job Address 9000 7	ni cato mall
Contractor O une	, , , , , , , , , , , , , , , , , , , ,
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App	lied [*]
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SAN RAFAEL COMMUNITY DEVELOPMENT DEPT.

BUILDING AND SAFETY DIVISION 1400 FIFTH AVENUE - PO BOX 151560 - SAN RAFAEL - CA 94915-1560 PHONE 415 485-3365

APPLICATION FOR **BUILDING PERMIT**

PERMIT NO BULOS: 957 DATE RECEIVED	DATE ISSUED . X-1.7-4) MAIL PERSON
APPLICANT INFORMA	ATION (Please Type or Print)
JOB ADDRESS POOD NORTHEATE DR	PLANS SUBMITTED Yes No
ASSESSOR'S PARCEL	PLANS PREPARED BY DUCCETT
OWNER SPARS ROEDUCK	ADDRESS POSO LORTHGATE MALL
ADDRESS POO ABRITHEATE DR	CONSTRUCTION LENDER
CITAN PAFASE PHONE 507 2351	
CONTRACTOR NIA OWN	VALUATION \$
ADDRESS	DESCRIPTION OF WORK
CITY PHONE	Block off Two SITS OF
STATE LIC.# CITY LIC.#	DOORS 5 BUILD ONS WALL
I hereby acknowledge that I have read this application and that it is a building construction.	correct and agree to comply with all City ordinances and State laws regulating
I hereby agree to save, indemnity and keep harmless the City of Sa and judgments resulting from this permit.	m PlateeL its officers and duly appointed representatives against all liabilities
I hereby certify that I am properly registered and/orlicensed as requ	ired by the City of San Rafael and the State of California or that I am exempt
from the Contractor License Lays of the State of Colifornia under S	ection 70s1.5 of the Business and Professional code.
Signature of Permittee	1000 Date 8/17/61
Signature of Permittee OFFICE USI	
NOTES OFFICE USI	OCCUPANCY
OFFICE USI	OCCUPANCY
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior	ONLY OCCUPANCY A B E F H
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior to issuance of permit or inspector unable to gain entry to job Twenty-four (24) hours notice is required for called inspections This permit becomes null and void if the work is not commenced within	CONSTRUCTION OCCUPANCY A B E F H CONSTRUCTION I II III IV V
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior to issuance of permit or inspector unable to gain entry to job Twenty-four (24) hours notice is required for called inspections This permit becomes null and void if the work is not commenced within one-hundred-eighty (180) days or is abandoned for a period of one-hundred-eighty (180) days. Application for refund must be	ONLY OCCUPANCY A B E F H I M R S U CONSTRUCTION I II III IV V NO OF STORIES NO. OF UNITS
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior to issuance of permit or inspector unable to gain entry to job Twenty-four (24) hours notice is required for called inspections This permit becomes null and void if the work is not commenced within one-hundred-eighty (180) days or is abandoned for a period of one-hundred-eighty (180) days. Application for refund must be submitted within one-hundred-eighty (180) days from date of issuance	ONLY OCCUPANCY A B E F H I M R S U CONSTRUCTION I II III IV V NO. OF STORIES NO. OF UNITS FLOOR AREA (Main Building)
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior to issuance of permit or inspector unable to gain entry to job Twenty-four (24) hours notice is required for called inspections This permit becomes null and void if the work is not commenced within one-hundred-eighty (180) days or is abandoned for a period of one-hundred-eighty (180) days. Application for refund must be submitted within one-hundred-eighty (180) days from date of issuance CONDITIONS:	ONLY OCCUPANCY A B E F H I M R S U CONSTRUCTION I II IV V NO OF STORIES NO. OF UNITS FLOOR AREA (Main Building) FLOOR AREA (Gerage) ACCESS BLDG.
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior to issuance of permit or inspector unable to gain entry to job Twenty-four (24) hours notice is required for called inspections This permit becomes null and void if the work is not commenced within one-hundred-eighty (180) days or is abandoned for a period of one-hundred-eighty (180) days. Application for refund must be submitted within one-hundred-eighty (180) days from date of issuance CONDITIONS: The following conditions together with the submitted plans and/or	ONLY OCCUPANCY A B E F H I M R S U CONSTRUCTION I II IV V NO OF STORIES NO. OF UNITS FLOOR AREA (Main Building) FLOOR AREA (Garage) ACCESS BLDG. VALUATION \$
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior to issuance of permit or inspector unable to gain entry to job Twenty-four (24) hours notice is required for called inspections This permit becomes null and void if the work is not commenced within one-hundred-eighty (180) days or is abandoned for a period of one-hundred-eighty (180) days. Application for refund must be submitted within one-hundred-eighty (180) days from date of issuance CONDITIONS: The following conditions together with the submitted plans and/or specifications are made a part of this permit:	ONLY OCCUPANCY A B E F H I M R S U CONSTRUCTION I II IV V NO OF STORIES NO OF UNITS FLOOR AREA (Main Building) FLOOR AREA (Gerage) ACCESS BLDG. VALUATION \$
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5/97



9000 Northgate Mall San Rafael, CA 94903 415-507-2300 FAX: 415-479-1306

August 02, 2001

To:

Building Commission

San Rafael, CA.

STEUEN RIEGS SAN RAFAEL FIRE DEPT.

From:

Sears San Rafael unit #1528

C/O Dennis Puccetti 9000 Northgate Mall San Rafael, CA. 94903

Re:

reactive Harrichell Fuller

Building Remodel Proposal

To Whom It May Concern:

In the effort for us here at Sears in San Rafael, to control the ongoing problem of inventory loss and merchandise selection availability, we are planning to do some minor building remodeling.

This letter is our stores proposal for the following planned building remodel

for Sears at Northgate Mall.

Please find enclosed with this letter a map that shows the areas of the building that we plan to remodel.

Refering to the map:

Green Area "A"

This area we plan to lock the existing customer entrance doors and construct a wall that will completely cover and block the fore mentioned entrance. From the map if you look directly to the left you will see a door that will act as an emergency exit door. On this door we will install a time delayed crash bar that will, in an emergency, allow customers and associates access to the exterior of the building.



9000 Northgate Mall San Rafael, CA 94903 415-507-2300 FAX: 415-479-1306

Green Area "B"

This area of the store our plan is to completely lock and secure two (2) of the existing customer entrance doors. Then with the other two (2) remaining doors we plan to install time delayed crash bars. Our intent with this plan is to completely restrict access through these doors from both customers and associates.

The forgoing is our proposed building remodel plan, and we at Sears are seeking your review and approval so that we may expedite these plans as soon as possible.

We would like to thank you in advance for your careful consideration in this very important matter

Sincerely,

Dennis Puccetti

Director of Operations

Sears San Rafael

San Rafael Fire Department 485-3308

	Addi	ess 4	כועט	W6	Mall	í	Business Nar	ne Ti	ns (Car	Radio	· ·	FP-13	
			. 256	62,	hone		Conta							
	Issue	ed By/Date	1st Insp	18/01/0	1 / 13 2n	d Insp		_/	_ 3rd Insp.			Refer	to FPB	
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	B-2: (General Bus	sinesses — office	ce, wholesale a	and retail stores, fa , for less than 50 p	actories, wo	orkshops usin Idworking and	g materials no I cabinet shoo	ot highly flamr os which are o	nable or comb wner operate	oustible, drink d or where no	ing/dining	establishm one emplo	ents, vee is
	opera	iting one pi	iece of equipm	ent or applian	ce.	IDARD AVAILA	,						, .	•
	▲ −ԲԼ	ATOON COMM	ANDER VIOLATION: REMENTS AND	3., FP19 -	ARDS			•			* .	#1 #2	Notice '	ΩK
A *	1.	Install app	roved address	identification	nin smoking area	e chall ha i	metal or ann	r leuna havor	vith lid:	•		#1 #2 —— ——	#3 NA	1/2
A *	3.	Trash cans	s used for colle	ction shall be	metal or approve al on exterior of t	ed equal wi	th a lid.	oveu equal i	WIGHT HU.					3 '
A.	6.	Maintain 3	30" clearance d	of combustible	s to heat produci	ng appliand	ces	v mz						6 11
Ã,	12.	Maintain i	n operable con	dition and ren	nove all obstructi of building are c	ons to fire/	smoke doors in Knox-Box	and fire dam	pers.	Lacitationed .			<u> </u>	<u>-</u> 12 14
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•	18.	Two exits	required if occ	supant load ex	ceeds 50 (except ceeds 30 (offices	i).	, and and		ie ir šainintendid		i			18
•	22.	Two exits	required from	all basements	f occupant load e and above the se rger than 2000 se	econd floor	or 60 (00)	ر آبار معانده شاهده معادمه					_ = =	22 23
•	24.	When two	exits are requ	ired they mus	t be separated by exceeds 500, four	√ ½ of the o	diagonal dista	any direction ance of the ro	oom.	•	,			24 25
•	27.	Maximum	distance to ar corridors may	exit is 150' (unsprinklered bui	ldings) or 2	200' (sprinkle	red buildings).					27
•	30.	If occupar	nt load is over	50, doors mus	st swing out; if ov r other similar de	ver 100 the	y must only	swing out.	ł .		•			30 31,31
Ā Ā	34. 35.	Exit doors No storage	and exit path e beneath encl	s shall not be osed stairs ur	obstructed less protected by	1 hr. cons	truction.	l liping of			• •	<u> </u>		34 35
•	38.	When 2 ex	xits are require	ed, all exitš sh	1 hr. rated with 2 all have exit sign	s. The mai	n exit is exer		obvious.					36 <u></u> 38
A	40. 41.	All exit pa	aths shall be li	ghted at all tir	ally illuminated <u>A</u> ne that the buildi	I ALL TIM ing is occup	<u>ES.</u> pied. If separ	ate circuits a	re required fo	r the exit sig	ns		ب ــــــــــــــــــــــــــــــــــــ	40
A	95:	Maximum	ghting must all occupant load	l sign is requir	ed if less than 50	people. (f	Restaurants	Lounges)			•		二岁	, 41 95
•	44	interior st	airways to be	rated 1 nr. tor	3 or 4 stories, 2	nr; jar nig	ner buildings							**
.	FINE 45.	PROTECTION One 2A10	ON EQUIPMENT	uisher shall bé	próvided for eve	rv 6.000 s	o. ft. with 75	maximum tr	avel distance					1/45
Ā	49. 50.	One addit	ional 40BC exi	tinguisher₊shá'	Il be provided in a le, wall mounted	all kitchens	譲じりない		3 1					49 50/س
A	51. 55.	Extinguish	ners shall be so	erviced annual	ly, after use; and hall be extended,	when gau	ge indicates	echarge.						51 55
A	56. 57.	All sprinkl Fire Depa	ler valves shal rtment connec	l be locked in tion caps in p	open position, ac lace and work fre	cessible ar	nd unobstruct	ed 🔆						56 12 57
*	58. 59.	Storage s	hall be mainta	ined at least 1	that are not brass 8" below sprinkle	er heads.	£ 42.85	Wisso	rust preventa	tive paint.				58 59 60
A ,	60. 61.		systems as fol		24" below ceiling	1/11 8	₩ #	¥ ¥		ijji.	•			_#2 60
	,		System Type Standpipes Sprinkler	•		inspected/8/ Semi-Anr Quarterly	า๊บูลlly		ested Every 5 ye Every 5 ye	ars				61
_	en	C.	Pre-engineer		dry/wet chemical	Semitann	ually & after		,∕ Semi-anni					
Ā	62. 63.	Hood and	duct ventilati	on systems sh	all be maintained	system pro I free of gre	olecting all c	ooking surjac	æs.	1	N			63
	F1 F1		OUIDEMENTO					×6.4						
À	66. 67.	Discontin	QUIREMENTS ue use of extend all not be affive	nsion cords ar	nd cube adapters ided through walls	in lieu of p	ermanent wir	ing.	subject to oh	veical damac	IP.			66
A	68. 69.	Maintain	30" clearance	fronting and a	around electrical o be labeled as to a	control pan	els		. •	yoldai damag	ιο.			68
•	uu.	Licotrical	mam and sub	,										00
•	FLA 74.	MMABLE LI		ds with flash o	point below 110°	F for cleani	na purposes.		Constitution of the second	الملكليل				74سير_
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•	87.	To store i	in excess of 5 in excess of 25	gallons of flar gallons of co	nmable liquds ins mbustible liquids	ide or 10 g	allons outsid 30 gallons ou	e. Iside.	,				<u>_</u>	87 88
•	89. 90.	For weldi For above	ng or cutting t ground flamn	orch operatior nable liquids s	is. torage tanks.	:	•						<i></i>	89 90
0,		To operat	e refrigeration	equipment.	oard feet of lumb	er.		, e ³ , ,					<i></i> _	91 92
-	93.	To store b	air uru tank in Nazardone mate	gauess of 120 rials in excess	0 water gallons.	55 gallone	liquid or 200	nu ft mae 🍴	•			— —	<u> </u>	93

91-2074

by 300

SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION THIS IS NOT YOUR PERMIT

Address of Project 9000 NOR 19 GA12	DEIVE
Project/Business Name SEARS ROEBU	ICK
Contractor/Owner's Name WILLIAM R. MEI	XNER (SONS
Address 120 SOLANO ST,	
City, State, Zip VENTURA CA	Phone No. (805) 1047-7008
Mailing Address for Invoices (if different than above)	
State Contractor's License # 479175	Expiration 9-30-97
San Rafael Business License # <u>D292108</u>	Expiration DEC, 1997
A deposit of \$200 will be required when submitting the kept to track time spent on your project. You will be chat with a minimum two-hour charge. The department will all incurred for consultant and/or contractual services plus over The fee will be collected at the completion of your project due and payable upon the receipt of the invoice. Your prapproval until all fees are paid. In addition to not issuing other legal remedies for unpaid accounts. On projects the you will be invoiced during each month that the balance experience of the invoi	rged for the actual time spent to the nearest ¼ hour, so charge direct and indirect costs for actual expenses erhead which may be necessary to review your project. a, and an invoice will be mailed to you. The fees are oject permit will not receive final Fire Department final approval, the Fire Department will pursue all accumulate more than 3 hours (or \$300) in services,
I have read the above statement regarding fees for this pragree to pay such fees and understand that they are due prenalty of perjury, I declare that I am duly authorized to a X Signature Title	prior to final acceptance of my project. Further, under
Uniform Fire Code Permits* Bonfires or rubbish fires Bowling pin or alley refinishing Burning in public place Candles and open flames in assembly areas Dust-producing operations Fruit ripening High-piled combustible stock Junk yards Lumber yards Mall, covered	Open burning Open-flame devices in marinas Ovens, industrial baking or drying Parade floats Places of assembly Refrigeration equipment Tents and Air-Supported Structures Other, explain
Sprinkler (Plan submittal required) Residential Overhead - #/heads Residential Underground Residential Both Commercial Overhead - #/heads 24 Commercial Underground Commercial Both	Other Systems - (Plan submittal required) Pre-Engineered Hood and Duct Pre-Engineered Spray Booth Pre-Engineered Fire Alarm Fire Detection Clean Agent System (NFPA 2001)
Other - Environmental Monitoring Well, Installation Monitoring Well, Destruction Phase I or II Site Assessment/Investigation Remedial Action Plan Soil Borings/Groundwater Sampling	

*Use other application for hazardous materials or tank permits.

CITY OF SAN RAFAEL FIRE DEPARTMENT

1039 C Street, San Rafael, CA 94901 Phone: (415) 485-3308 Fax: (415) 453-1627

RECEIVED FEB 0 3 1997

FIRE DEPT. CITY OF SAN RAFAEL

HAZARDOUS WASTE AND HAZARDOUS MATERIALS MANAGEMENT REGULATORY PROGRAM

APPLICATION FOR A CONSOLIDATED PERMIT

9000 Northgate Mall 94903					
Address					
	· · · · · · · · · · · · · · · · · · ·				
	314/231-0761				
Phone	Fax				
: (Check all that appl	y)				
excess of 55 gallons, or 10	00 pounds or 200 cu. ft. of gas				
ials or extremely hazardo	ous substances at or above the				
list - Appendix A)					
erated on site					
	tank canacity				
# of tanks	tank capacity				
	, tank capacity				
# of tanks	, tank capacity				
ring permit (see list - Ap	pendix B)				
	pplication to above address.				
•					
N AND SIGNATURE					
paring this application. I be information contained	have reviewed the appli- herein is true and correct.				
Title Director, Env. Affairs					
Date 22JON97					
RTMENT USE ONLY	~···				
Received By:	Ebekah				
Reviewed By:	West Clare				
Action Taken:	0				
☐ Permit forms sent	on				
· · —	eceived on				
 □ Permit sent on □ Permit denied; notice sent on □ App. deficient; notice sent on 					
	Title 800/669-9699 Phone S: (Check all that apple excess of 55 gallons, or 10 ials or extremely hazardo list - Appendix A) Prated on site. bove ground tanks. ion # of tanks # of tanks Inderground tanks. on # of tanks # of tanks # o				

SAN RAFAEL FIRE DEPARTMENT

PERMIT

This Permit has been issued to the following, pursuant to the conditions stipulated herein and in conformance with Uniform Fire Code, state and local ordinances.

This Permit expires when change of ownership, business name, or conditions outlined herein occur. This Permit shall be posted, visible and made available upon request by the Fire Prevention Inspector. This Permit may be revoked at any time for due cause in violation of Uniform Fire Code.

PERMIT NO: CATEGORY:

FPB 96-2062 Commercial

ADDRESS OF PROJECT:

9000 Northqate Mall

PROJECT/BUSINESS NAME:

Jiffy Lube

OWNER/CONTRACTOR:

SNC Plumbing & Fire Protection

ADDRESS:

1730 44th Avenue

CITY, STATE, ZIP:

San Francisco, CA 94122

(415)-550-1129PHONE:

BUSINESS PHONE: (415)-550-1129

(Date)

Fire Chief

David J. Zaopatini

SPRINKLER SYSTEMS

INSPECTION	BY	DATE
PLANS REVIEWED	WCL	06/17/96
UNDERGROUND INSPECTION	N/A	
UNDERGROUND HYDRO	N/A	
UNDERGROUND FLUSH	N/A	•
OVERHEAD HYDRO	N/A	
OVERHEAD INSPECTION	WCL	06/20/96
ALARM TEST	N/A	Tana Canada
FINAL	WCL	06/20/96

U.L. CERT. ISSUED:

SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION ACKNOWLEDGMENT

Date: 06/17/96

Dear Applicant:

Your permit application has been received. The current status and conditions pertaining to this application are noted below.

PERMIT NUMBER:

FPB 96-2062

CATEGORY:

Commercial

ADDRESS OF PROJECT:

9000 Northgate Mall

PROJECT/BUSINESS:

Jiffy Lube

OWNER/CONTRACTOR:

SNC Plumbing & Fire Protection

MAILING ADDRESS:

1730 44th Avenue

CITY/STATE/ZIP:

San Francisco, CA 94122

PHONE:

۰,

(415)-550-1129

06/17/96

The Inspections listed below are required to be conducted/witnessed by San Rafael Fire Prevention Bureau personnel prior to issuance of the permit.

INSPECTIONS REQUIRED:

Final System
Plan Review
Overhead Inspection
Alarm Test/UL Certification
Final

At least one business day prior notice is required to schedule an inspection appointment. Contact the San Rafael Fire Prevention Bureau at 485-3308.

pd nyyny

SAN RAFAEL FIRE DEPARTMENT

PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

96-2062

Address of Project 9000 NORT	IGHTE MALL (SEAR	'S MITO CENT	ER)
Project/Business Name JIFFY LUB	E		
Contractor's Name SNC PUMBIN	of & FIRE PROTECT	TON INC. (
Address 1730, 94THAU	IF.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
City, State, Zip SAN FRAM	LIEL MANIZO	The Ne and	C - Str - 1129 (Assumer)
	,		
Mailing Address for Invoices (if differ	rent than above)		CEL 415-699-608
State Contractors License # 595176			
San Rafael Business License # 240	675 Ex	piration <u>6-31</u>	<u>-96</u>
A time keeping form will be kept to tra on your project to the nearest ½ hour, indirect costs for actual expenses incu necessary to review your project. The be mailed to you. Your project Permit fees are due and payable upon receipt of fee and 1 1/2% per month interest will pursue all other legal remedies for unp vices, you will be invoiced during each	with a minimum one hour correct for consultant and/or fee will be collected at will not receive final First the invoice and become be charged. In addition to aid accounts. On project month that the balance expenses	harge. The Departm r contractual servi the completion of your re Department appro- overdue 30 days late o not issuing final s that accumulate m exceeds 3 hours (or	ent will also charge direct and ces plus overhead which may be our project, and an invoice will val until all fees are paid. The er, at which time a 1/2 hour late approval, the Fire Department will ore than 3 hours (or \$150) in ser-\$150).
I have read the above statement regardi agree to pay such fees and understand to of perjury, I declare that I am duly au	hat they are due prior to	final acceptance o	f my project. Further, under penalty
· 9800	PRUIDENT	CTELLE !	11) (12.9/
Signature	Title	Orint Hamo	H) 6-13-96
31 gila cur c	1166	FI IIIC Mane	Da CE
UFC PERMITS:			
Aircraft refueling vehicles	Flammable or combustible operation and excavation	e liquid pipeline	Nitrate film
Aircraft repair hanger	Flammable or combustibl		Oil and natural gas wells
Automobile wrecking yard	Fruit ripening	•	Open burning
Bonfires or rubbish fires	Fumigation or thermal i	nsecticidal fogging	Open-flame devices in marinas
Bowling pin or alley refinishing	Garages		Organic coatings
Burning in public place	Hazardous materials		Ovens, industrial baking or drying
Candles and open flames in assembly areas	Haz Mat site characteri	zation/	Parade floats
Cellulose nitrate storage	Investigation report		Places of assembly
Combustible fiber storage	Haz Mat site remediatio		Radioactive materials
Compressed gases, flammable	Highly toxic pesticides		Refrigeration equipment
Cryogens	High-piled combustible Junk yards	8LOCK	Spraying or dipping
Dry cleaning plants	Liquefied petroleum gas		Tank vehicles
Dust-producing operations	Lumber yards	6.0	Tents and sir-supported structures Tire recapping
Excavations near flammable or combustible liquid pipelines	Magnesium working		Waste material handling plant
Explosives or blasting agents	Mall, covered		Welding and cutting operations
	Monitoring well install	ation	
	Monitoring well destruc	tion	
PLAN REVIEWS:		·	
Automatic Sprinkler Systems, # of he	ads		
Automatic Fixed Fire Extinguishing S	ystems (specify)		
Dry Chemical, # of Nozzles			
Halon, # of Nozzles			
Other, explain			
Fire Alarm System		,	
Automatic Fire Detection System, # or			
Above Ground Tank Installation, f of			
Above Ground Tank Removal, f of tanks			
Underground Tank Installation, f of the			
Underground Tank Removal, # of tanks Underground Tank Abandonment in Place			
Underground Tank/Line Performance Ter		спристту	
Underground Tank Soils/Water Analytic			
Other explain			



FIRE SPRINKLERS

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	ر	R Ru	leel	CI	9490,	/			multin	te Slogging
		Q0	D	<u></u>	<u> </u>			100.110	Morthyn Certer DW	94056
ATTN:		Okan	<u>rev</u>	cer	<u>'</u> <u>.</u>	<u></u>		JOB NO:		7703
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									CITY OF	SAN RAFAEL
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		AS REQUESTE		Г	FOR REVIEW			RETU	RN DR	AWINGS
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REMAR	RKS.				4 , 1 					
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			(D)/6	.00	per	_Kar	ر بي		· · · · · · · · · · · · · · · · · · ·	
										





MAYOR ALBERT J. BORO

COUNCIL MEMBERS
DOROTHY L. BREINER
PAUL M. COMEN
MICHAEL A. SHIPPEY
JOAN C. THAYER

Fire Department: Phone (415) 485-3308; FAX (415) 453-1627

SAN RAFAEL FIRE DEPARTMENT

PERMIT

This Permit has been issued to the following, pursuant to the conditions stiuplated herein and in conformance with Uniform Fire Code, state and local ordinances.

This Permit expires when change of ownership, business name, or conditions outlined herein occur. This Permit shall be posted, visible and made available upon request by the Fire Prevention Inspector. This Permit may be revoked at any time for due cause in violtion of Uniform Fire Code.

PERMIT NO: FPB 94-2054 CATEGORY: Commercial

ADDRESS OF PROJECT: 9000 Northgate Mall

PROJECT/BUSINESS NAME: Sears

OWNER/CONTRACTOR: S & S Fire Protection, Inc.

ADDRESS: 3090 Osgood Court CITY, STATE, ZIP: Fremont, CA 94539 PHONE: (510)-651-0247 BUSINESS PHONE:

Milliam G-29-94 (Date)

SPRINKLER SYSTEMS

INSPECTION	ВУ	DATE
PLANS REVIEWED	WCL	06/16/94
UNDERGROUND INSPECTION	N/A	• •
UNDERGROUND HYDRO	N/A	
UNDERGROUND FLUSH	N/A	
OVERHEAD HYDRO	N/A	
OVERHEAD INSPECTION	WCL	06/29/94
ALARM TEST	N/A	, ,
FINAL	WCL	06/29/94

U.L. CERT. ISSUED:

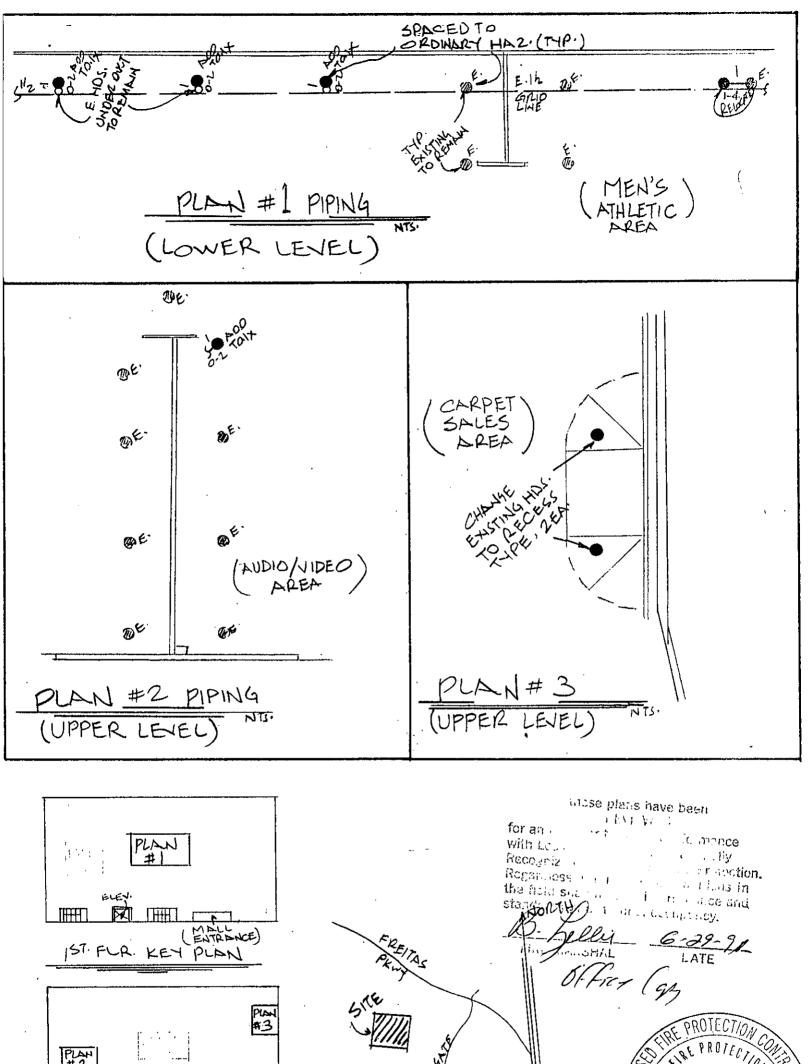
SAN RAFAEL FIRE DEPARTMENT

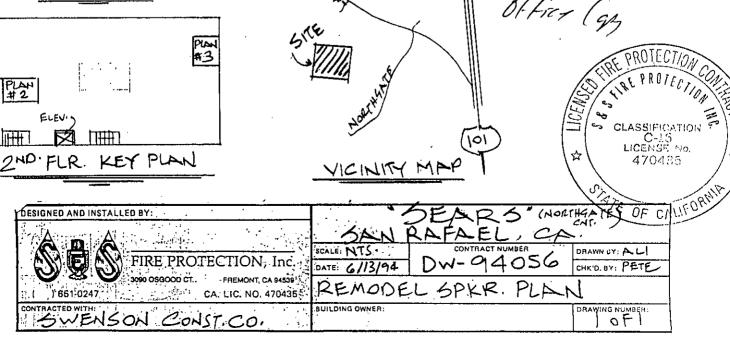
94-2054

PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

	9000	
Address of Project <u>Northaa</u>	te Center - Sears	
Project/Business NameSect	<u> </u>	
Contractor's Name S 4 S	Fire Protection, Inc	•
Address 3090 0	Osgood Court	
City State 7in Frem	nout, CH 94539 Phone No	651-0247 (5-10)
Mailing Address for Invoices (if diffe		_0<=
_	435 Expiration <u>3-3/</u>	
an Rafael Business License I Requ	usteds Expiration	
on your project to the nearest & hour indirect costs for actual expenses in necessary to review your project. The mailed to you. Your project Permifees are due and payable upon receipt fee and 1 1/2% per month interest will oursue all other legal remedies for u	fack time spent on your project. You will be, with a minimum one hour charge. The Departs curred for consultant and/or contractual serve fee will be collected at the completion of the will not receive final Fire Department appropriate of the invoice and become overdue 30 days labe charged. In addition to not issuing final managed accounts. On projects that accumulate is charged that the balance exceeds 3 hours (or	ment will also charge direct and ices plus overhead which may be your project, and an invoice will oval until all fees are paid. The ter, at which time a 1/2 hour late I approval, the Fire Department wi more than 3 hours (or \$150) in ser
gree to pay such fees and understand	ding fees for this project, and I understand that they are due prior to final acceptance cauthorized to encumber expenses on behalf of	of my project. Further, under pen
		C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tamvelle Spine	Clark LAURALEE	Sprouse 6/14/94
Signature /	litle Print Name	Da te ,
UFC PERMITS:	•	·
Aircraft refueling vehicles	Flammable or combustible liquid pipeline operation and excavation	Nitrate film
Aircraft ropair hanger	Flammable or combustible liquids and tanks	Oil and natural gas wells
Automobile wrecking yard	Fruit ripening	Open burning
Bonfires or rubbish fires	Fumigation or thermal insecticidal fogging	Open-flame devices in marinas
Bowling pin or alley refinishing	Garages	Organic coatings
Burning in public place	Hazardous materials	Ovens, industrial baking or drying
Candles and open flames in assembly areas		Parade floats
Cellulose nitrate storage	Haz Mat site characterization/ Investigation report	Places of assembly
Combustible fiber storage	Haz Mat site remediation report	kadioactive materials
Compressed gases, flammable	Highly toxic pesticides	Refrigeration equipment
Cryogens	High-piled combustible stock	Spraying or dipping
Dry cleaning plants	Junk yards	Tank vehicles
Dust-producing operations	Liquefied petroleum gases	Tunts and air-supported structures
Excavations near flammable or	Lumber yards	Tire recapping
combustible liquid pipelines	Magnesium working	Waste material handling plant
Explosives or blasting agents	Mall, covered	Welding and cutring operations
	Monitoring well installation	
PLAN REVIEWS:	Monitoring well destruction	
X Automatic Sprinkler Systems, # of	heada 7	
Automatic Fixed Fire Extinguishing		
Dry Chemical, # of Nozzlas	·	•
Halon, # of Nozzles		
Other, explain	•	
Fire Alarm System		
Automatic Fire Detection System,	of detectors	•
Above Ground Tank Installation, /	of tanks, tank capacity	
Above Ground Tank Removal, # of ta	nks, tank capacity	
•	f tanks, tank capacity	·
	ks, tank capacity	
	ace, f of tanks, tank capacity	
Underground Tank/Line Performance		
Underground Tank Soile/Water Analy	tical Report	
Other, explain		-





C



FIRE PROTECTION EQUIPMENT PERFORMANCE CERTIFICATE

IN ACCORDANCE WITH TITLE 19,
SUBCHAPTER 5, CALIFORNIA ADMINISTRATIVE CODE
AND MUNICIPAL FIRE CODE

San Lafeal Ca Ban Lafeal Ca Ban Sears RESPONSIBLE PERSON/AGENT Jim CHISH MAILING ADDRESS. CITY	1, £ 9490 HONE 415 150	0 5 7-2300 ZIP	AUTO SPRINKLER SYSTEM CLASS I - DRY STANDPIPE SYSTEM CLASS II - WET STANDPIPE SYSTEM CLASS III - COMBINATION STANDPIPE SYSTEM CLASS IV - COMBINED (STANDPIPE SPRINKLER) SYSTEM OTHER-SPECIFY
	DEF	ECTS FOUN	ID
1. CHeck Va 2. Main con	1 . / . /	king By	ing in Autocenter on
- 7 KISEK	, 6 KIS	SER	RECEIVED
			_
			JUL 0 1 1993
			CITY OF SAN PAFAEL
*			i Pata
1	RE	PAIRS MAD	E .
All Rep	Dails M	rade	5-20.93
7			
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		- · · · · ·	
	C	ERTIFICATION	
I THEREBY CERTIFY THAT THE FIRE FINDICATED ABOVE HAS BEEN TESTED THE CALIFORNIA ADMINISTRATIVE CODE AND THE MUNICIPAL FIRE CODE.	IN ACCORDANCE \	WITH IN CON	CESSARY MAINTENANCE AND REPAIRS HAVE BEEN MADE IPLIANCE WITH THE CALIFORNIA ADMINISTRATIVE CODE SUBCHAPTER 5 AND THE MUNICIPAL FIRE CODE.
INITIAL TESTING DATE 5-6-93		FINAL TEST	ing date 5, 20, 93
SIGNATURE	TITLE	SIGNATURI	·
TESTING AGENCY	LICENSE NO.	ADDRESS	PHONE
MASTER PROTECTION CORPORATION			
FIRE DEPT. PHONE NUMBER IN:	FIRE DEI	PARTMENT USE	ONLY ASSIGNMENT
M1704 5/92 WHITE ORIGIN	IAL OFFICE CANA	BY FIDE DEDT C	OPY PINK — CUSTOMER COPY

AUTOMATIC SPRINKLER SYSTEM CALIFORNIA CODE OF REGULATIONS, TITLE 19, SUBCHAPTER 5

CALIFORNIA CODE OF REGULATIONS, TITLE 19, SUBCHAPTER 5										
ADDRESS OF BUILDING	11	Assta	Contor		PHONE NO.	07 220	Λ	DATE	6-93	
9000 Northgate Mall Auto Center 415-507-2300							V		0-33	NO.
ARE ALL SYSTEMS IN SERVICE?							YES	1	NO K	
• IŞ BUİLDING PARTIALLY SPRINKLERED?								ä		K
• IS BUILDING COMPLETELY SPRI								×		
• IS ALL STOCK 18 INCHES BELO	• IS ALL STOCK 18 INCHES BELOW SPRINKLER HEADS?									
2. CONTROL VALVES			•••							
• ARE ALL SPRINKLER SYSTEM M								X		
 ARE ALL OTHER VALVES SECUR ARE ALL VALVES IDENTIFIED? 										
	OP	·······		URED	CLO	SED	<u> </u>	SIGN	<u> </u> 8	N/A
TYPE	YES	NO	YES	NO	YES	NO	<u> </u>	YES	NO	1,000
CITY CONNECTION VALVE	X		X			×		×		
TANK VALVES	· 🗀 🔝									
PUMP VALVES SECTION VALVES	<u> </u>	→ □,	□ ∜	, <u>Q</u>	4 D					ŽÍ
SYSTEM VALVES	<u> </u>						İ	X	ä	
3. TANK PUMPS FIRE D	EPARTM	MENT CO	NNECT	IONS			N/A	YES		NO
ARE FIRE DEPARTMENT CONNE				DITION;	REC	EIVED	_]			
COUPLINGS FREE, CAPS IN PLACE LOCATION NORTH CENTE		ECK VALVE	S TIGHT?					Ø		
ARE FIRE PUMPS, GRAVITY TAN		OIRS AND	PRESSURE	TANKS IN	JUL	1 1993			-,	
GOOD CONDITION AND PROPER	RLY MAINTA	INED?			FIRE	DEPT	5			
4. ALARMS					CITYOF	an Rafae	-			
• IS INSPECTORS TEST VALVE SA								Œ		
 IS WATER MOTOR/GONG TEST IS ALARM TEST SATISFACTORY 			TION NOT	RTH_CNNT	ER BY F	DC	밀	X		
• IS SUPERVISORY ALARM TEST S			ION SEAF	S AT ARM	CO			X		
ARE ALARM VALVES/WATER FL						ITION?	5	<u>K</u>		
5. SPRINKLERS-PIPING						, , ,				
• ARE ALL SPRINKLERS IN GOOD CONDITION, NOT OBSTRUCTED; AND FREE OF CORROSION OR LOADING?										
• IS CONDITION OF PIPING, DRAIN VALVES, HANGERS, PRESSURE GAUGES SATISFACTORY? • ARE ALL SPRINKLERS LESS THAN 50 YEARS OLD?										
ARE SPARE HEADS READILY AT			NATE NUM	RER AND TY	PF?			Z,		
• IS SPRINKLER HEAD WRENCH A				52.17.116				×		
HAVE SPRINKLERS BEEN CHECK	ED FOR PRO	OPER TEMP	ERATURE	RATING?		<u>.</u>		XXX		□ .
• ARE REQUIRED HAND HOSES O	N SPRINKLE	R SYSTEM	S IN SATISI	FACTORY COI	NDITION? >	•		20		
6. MAIN DRAIN TEST	٥٢	105	·	100	<u>7. SYS</u>					
STATIC PRESSURE, BEFORE	<u>33</u> AFT	ER 135	RESID	DUAL 130		STEM BACI				NO
8. REMARKS			•		DATE DA	31 FERFU	NVIEL			
			CERTIFI	CATION						
HEREBY CERTIFY THAT THE FIRE PI				ALL NECESS	ARY MAINTE	NANCE AND	REP	AIRS HAVE	BEEN N	IADE IN
ABOVE HAS BEEN TESTED IN ACCORDANCE WITH THE CALIFORNIA COMPLIANCE WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE CODE OF REGULATIONS, TITLE 19, SUBCHAPTER 5 AND THE MUNICIPAL 19, SUBCHAPTER 5 AND THE MUNICIPAL FIRE CODE.										
FIRE CODE. INITIAL TESTING DATE FINAL TESTING DATE.										
5-6-93										
SIGNATURE										
TESTING AGENCY		ILICEN	SE JADE	PRESS				PHON		
MASTER PROTECTION COR	PORATION			<u> </u>				FROM	-	
FIRE DEPT. USE ONLY										
FIRE DEPT. PHÔNE NO.	INSPECTO	PR				-	SSIGN	MENT		
M1705 6/92 WHITE - ORIGINAL OFFICE CANARY - FIRE DEPT. COPY PINK - CUSTOMER COPY										



ADDRESS



WET STANDPIPES CLASS II

BLDG, YEAR (APPROX.) NO. OF FLOORS STREET STATIC PSI REQUIRED FLOW

1970 3 100 STATE

70 GPM

30 PSI

9000 Nothhgate Mall

San Rafael.

CA

94903

(American Control of C	•	· · · · · · · · · · · · · · · · · · ·	DE:	SULTS	#		
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OUTLET 5		OUTLET 6		OUTLET 7		OUTLET 8	, 0,
GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI
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THERE IS WATER A						•	
AS REQUIRED)				•		÷	
HOSE AND RACK ASSEMBLY	⊠ ок						
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CABINETS AND FITTINGS	. ⊠ ок		•				<u>:</u>
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PRESSURE TANKS	□ок			,		JULOTE	<i>3</i> 3 3
AIR COMPRESSOR	□ок					FIRE DEPT	
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PUMP MAX PSI 17		. , ;	. 1	1	1	 	
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TIME OF RUN	·						
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			CERTIF	ICATION			
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INITIAL TESTING DATE		<i>a</i> ¬		FINAL TESTING DATE	6 03		, ,
	- (3	7.5			-6-93		
SIGNATURE		TITLE	•	SIGNATURE.	1	TITLE	
TESTING (AGENCY LIC. NO ADDRESS PHONE							
MASTER PROTE	CTION EN				š		
FIRE DEAT WIGHT WITH	· · · · · · · · · · · · · · · · · · ·		FIRE DEPAR	RTMENT USE ONLY		4.00(0.0)	
FIRE DEPT. PHONE NUMBER		INSPECTOR				ASSIGNMENT	
		1 .		•			

AUTOMATIC SPRINKLER SYSTEM

Carlotte .	CALIFORNIA CODE C	FREGULAI	10143, 11112 13	3, 30BCHAF	· LN O				
ADBRESS OF BUILDING		_	_	PHONE NO.			DATE		
9000 Northgate Mall San Rafeal, CA 415-507-2300							5-6	993	
1. GENERAL YES NO									
ARE ALL SYSTEMS IN SERVICE? IS BUILDING PARTIALLY SPRINKLERED?							X :	_	□ 3 1
IS BUILDING COMPLETELY SPRI							8		ב ב
• IS ALL STOCK 18 INCHES BELO	W SPRINKLER HEADS?						$\overline{\mathbf{x}}$		Ī
						İ			
2. CONTROL VALVES /							<u> </u>	 	
• ARE ALL SPRINKLER SYSTEM M • ARE ALL OTHER VALVES SECUE							⊠	1	
• ARE ALL VALVES IDENTIFIED?							<u>X</u>	1	╡
	OPEN		CURED	CLO			SIGNS	<u>; </u>	N/A
TYPE	YES NO	YES	NO	YES	NO	- 	YES	NO	1
CITY CONNECTION VALVE	8 0	X			K		Z)		
TANK VALVES									ሾ
PUMP VALVES SECTION VALVES	. —				- D	- -			
SYSTEM VALVES					X		.X		
3. TANK PUMPS FIRE D			TIONE	<u> </u>		<u> </u>	<u>.— .</u>		
ARE FIRE DEPARTMENT CONNI						N/A	YES	<u> </u>	10
COUPLINGS FREE, CAPS IN PLA	CE. AND CHECK VALVE		orrion,				Œ	1 0	
LOCATION SOUTH CENTE	R						_		_
ARE FIRE PUMPS, GRAVITY TAN		PRESSURE	TANKS IN		. •			١,	_ • .
GOOD CONDITION AND PROPE	RLY MAINTAINED?				*			'	┙,
4. ALARMS						\vdash	<u> </u>		
 IS INSPECTORS TEST VALVE SA IS WATER MOTOR/GONG TEST 			TSERS				, X		╡,
• IS ALARM TEST SATISFACTORY							×		
• IS SUPERVISORY ALARM TEST	SATISFACTORY? LOCA	TION_SEA	RS ALARM	CO.			K		3
• ARE ALARM VALVES/WATER F	LOW INDICATORS AND	RETARDS	IN SATISFACT	ORY COND	TION?		图		
5. SPRINKLERS-PIPING					,				
. ARE ALL SPRINKLERS IN GOOD	CONDITION, NOT OBS	TRUCTED; A	ND FREE OF	CORROSION	OR LOAD	ING?	M		<u></u>
• IS CONDITION OF PIPING, DRAIN		PRESSURE	GAUGES SAT	ISFACTORY	7		Œ	-	Ξ,
 ARE ALL SPRINKLERS LESS THAT ARE SPARE HEADS READILY A 		DIATE NILINA	DED AND TV	מכו) Z	1 7	⊒'
IS SPRINKLER HEAD WRENCH A			BER AND IT	-Er			X]]
. HAVE SPRINKLERS BEEN CHECK	KED FOR PROPER TEMI	PERATURE	RATING?) · / }	ì	*	N N	[<u> </u>
• ARE REQUIRED HAND HOSES O	N SPRIŇKLER SYSTÉM	S IN SATIS	FACTORY COM	NDITION?"	4-1 4 {		X	' [□ .
6. MAIN DRAIN TEST				7. SYS	TEM				
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8. REMARKS '	40 140		130	DATE LA	ST PERFO	RME	1988		
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CERTIFICATION									
I HEREBY CERTIFY THAT THE FIRE PROTECTION EQUIPMENT INDICATED ALL NECESSARY MAINTENANCE AND REPAIRS HAVE BEEN MADE IN									
ABOVE HAS BEEN TESTED IN ACCORDANCE WITH THE CALIFORNIA COMPLIANCE WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE									
CODE OF REGULATIONS, TITLE 19, SUBCHAPTER 5 AND THE MUNICIPAL 19, SUBCHAPTER 5 AND THE MUNICIPAL FIRE CODE.									
INITIAL TESTING DATE									
SIGNATURE SIGNATURE TITLE									
John Marie Committee Commi									
TESTING AGENCY LICENSE ADDRESS PHONE									
MASTER PROTECTION COI	IPORATION	FIDE DOS	LICE ON Y					1	
FIRE DEPT. PHONE NO.	FIRE DEPT. USE ONLY FIRE DEPT. PHONE NO. INSPECTOR ASSIGNMENT								
	ي من								
M1705 6/92	WHITE - ORIGINAL OFFICE	CANARY - FIF	RE DEPT. COPY P	INK - CUSTOME	R COPY				

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MAYOR ALBERT J. BORO

COUNCIL MEMBERS
DOROTHY L. BREINER
PAUL M. COHEN
MICHAEL A. SHIPPEY
JOAN C. THAYER

Fire Department
September 17, 1992

Mr. Jim Chisholm Sears Roebuck & Co. 9000 Northgate Mall San Rafael, CA 94903

Dear Mr. Chisholm:

Based upon your request for an annual permit for the erection of a sales tent several times a year, your request has been granted if the following conditions are met for each installation:

- 1. Notify the Fire Department prior to the dates of the tent erection, with the days of the event and take down.
- 2. The Permit is for the exclusive use of Sears Roebuck, with the State Fire Marshal labeled tent you now own.
- 3. All other conditions apply as stated in the standards previously provided.
- 4. The Permit is to be renewed annually (prior to September 30).

If you have any further questions regarding this Permit, please do not hesitate to phone.

Sincerely,

ROBERT E. MARCUCCI

Fire Chief

BRADLEY R. MARK Fire Inspector

REM: BRM: ss

Enclosure



MAYOR ALBERT J. BORO

COUNCIL MEMBERS DOROTHY L. BREINER PAUL M. COHEN MICHAEL A. SHIPPEY JOAN C. THAYER

Fire Department: Phone (415) 485-3308; FAX (415)453-1627

SAN RAFAEL FIRE DEPARTMENT

PERMIT

This Permit has been issued to the following, pursuant to the conditions stipulated herein and in conformance with Uniform Fire Code, state and local ordinances.

This Permit expires when change of ownership, business name, or conditions outlined herein occur. This Permit shall be posted, visible and made available upon request by the Fire Prevention Inspector. This Permit may be revoked at any time for due cause in violation of the Uniform Fire Code.

PERMIT NO: FPB 92-1057

ADDRESS OF PROJECT:

PROJECT/BUSINESS NAME: OWNER/CONTRACTOR:

ADDRESS:

CITY, STATE, ZIP:

PHONE:

9000 Northgate Mall

Sears Roebuck & Co. Attn: Jim Chisholm

9000 Northqate Mall San Rafael, CA 94903

BUSINESS PHONE:

Issued By

Date

PERMIT: Tents and Air-Supported Structures

> Article 12, UFC CONDITION: CONDITION: Article 32, UFC CONDITION: Title 19, CCR CONDITION: Title 24, CCR

ADDITIONAL CONDITIONS:

This permit expires Sept. 30,1993. For additional conditions refer to letter in

file.

SAN RAFAEL FIRE DEPARTMENT

PERMIT (Continuation)

PERMIT NO: FPB 92-1057

PROJECT/BUSINESS NAME: Sears Roebuck & Co.

OWNER/CONTRACTOR: Attn: Jim Chisholm

PERMIT: Tents and Air-Supported Structures

INSPECTION REQUIRED INSPECTED BY DATE

472-3670 SAN RAFAEL FIRE DEPARTMENT

PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

Address of Project	7-001			9450
Project/Business Name	es Roseible	cic 9 co		
Contractor's Name				
Address		•		1116
City, State, Zip		Phone No	ρ	0,1993
Mailing Address for Invoices (if diff	•	.	100 C DY 2	;O ₁ ' '
State Contractors License #		Expiration	9 50%	
San Rafael Business License /				
San Raidel Business License F				
A time keeping form will be kept to to no your project to the nearest 1/2 hour indirect costs for actual expenses in necessary to review your project. The mailed to you. Your project Permi fees are due and payable upon receipt fee and 1 1/2% per month interest will pursue all other legal remedies for u vices, you will be invoiced during ea	, with a minimum one curred for consultane e fee will be collect will not receive fof the invoice and loe charged. In addingaid accounts. On the month that the ba	e hour charge. The Department and/or contractual serviced at the completion of your line of the hour charge of the completion of your line of the complete of the line of the	ment will also char ices plus overhead a your project, and a oval until all fees ter, at which time a l approval, the Fir more than 3 hours (a \$150).	ge direct and which may be n invoice will are paid. The a 1/2 hour late e Department will or \$150) in ser-
I have read the above statement regar agree to pay such fees and understand of perjury, I declare that I am duly	that they are due p	rior to final acceptance o	of my project. Fur	ther, under penalty
				. /
	AME	Tim (Histo	سے و	3/28/92
Signature	Title	Print Name	Da	ue /
WFC PERMITS:	,			
Aircraft refueling vehicles	operation and	ombustible liquid pipeline excavation	Nitrate film	l and welle
Aircraft repair hanger	Flammable or c	ombuutible liquids and tanks	Oil and natura	IT Res MATTS
Automobile wrecking yard Bonfires or rubbish fires	Fruit ripening		Open-flame de	vices in marines
Bowling pin or alley refinishing	Funigation or	thermal insecticidal fogging	Organic coati	
Burning in public place	Garages	•	Organic coatri	
Candles and open flames in	Hazardous mate	rials	Parade floats	2
assembly areas	Haz Mat site c	haracterization/	Places of ass	ambly
Cellulose nitrate storage	_	emediation report	Eadioactive ma	-
Combustible fiber storage	Highly toxic p	•	Refrigeration	equipment
Compressed gases, flammable	High-piled com		£praying or d	Lpping
Cryogens	Junk yards .		Tank vehicles	
Dry cleaning plants	Liquofied petr	oleum gases	Tonts and air-en	
Dust-producing operations	Lumber yards		Tire recapping	š
Excavations near flammable or combustible liquid pipelines	Magnesium work	ing	Vaste materia	l handling plant
Explosives or blasting agents	Mall, covered		Welding and cu	cting operations
	Monitoring wel	l installation		
	Monitoring wel	1 destruction		
PLAN REVIEWS:			DNDITION	S
Automatic Sprinkler Systems, / of	heads		STNOTIFY	NONT IN
Automatic Fixed Fire Extinguishing	•	<i>), 700</i>	100/17-9	sep, when
Dry Chemical, # of Nozzles		•	nt is to le	
Halon, # of Nozzles	•	رم ع	pen permit	FOR SCARS
Other, explain			NEY; WITH	
Fire Alarm System		· u	ofich Atas a	een autouce
Automatic Fire Detection System,	· ——-	3.	INSPECTION	- Repuired
Above Ground Tank Installation, #		ink capacity	_	
Above Ground Tank Removal, # of ta				
Underground Tank Installation, # of	or cause, te	nak capacity	THE STAWN	ARM
Underground Tank Removal, # of tan Underground Tank Abandonment in Pl				· · · · · · · · · · · · · · · · · · ·
Underground Tank/Line Performance		, cans capacity		
Underground Tank Soils/Water Analy				
- ander Productions Dolla, Ameral, William	erear wohote			

_ Other, explain

SAN RAFAEL FIRE DEPARTMENT

PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

UF 02 1992

RECEIVED

92.1041 Address of Project 513A-25 Project/Business Name Contractor's Name Address City, State, Zip Phone No. Mailing Address for Invoices (if different than above) State Contractors License # _ Expiration San Rafael Business License # Expiration

A time keeping form will be kept to track time spent on your project. You will be charged for the actual time spent on your project to the nearest & hour, with a minimum one hour charge. The Department will also charge direct and indirect costs for actual expenses incurred for consultant and/or contractual services plus overhead which may be necessary to review your project. The fee will be collected at the completion of your project, and an invoice will be mailed to you. Your project Permit will not receive final Fire Department approval until all fees are paid. The fees are due and payable upon receipt of the invoice and become overdue 30 days later, at which time a 1/2 hour late fee and 1 1/2% per month interest will be charged. In addition to not issuing final approval, the Fire Department will pursue all other legal remedies for unpaid accounts. On projects that accumulate more than 3 hours (or \$150) in services you will be invoiced during each month that the balance exceeds 2 hours (or \$150)

	<u> </u>		- 7/2
Signature	Title	Print Name	Date
5.g		TTTTT TELEVISION	, 5535
C PERMITS:			
_ Aircraft refueling vehicles	Flammable or combus operation and excav	stible liquid pipeline	Nitrate film
_ Aircraft repair hanger		etible liquide and tanks	Oil and natural gas wells
_ Automobile wrecking yard		cible liquids and canks	Open burning
Bonfires or rubbish fires	Fruit ripening		Open-flame devices in maris
_ Bowling pin or alley refinishing	<u> </u>	mal insecticidal fogging	Organic coatings
_ Burning in public place	Z Garages		Ovens, industrial baking or dry
Candles and open flames in	Hazardous materials		Parade floats
assembly areas	Haz Mat site character Investigation report		Places of assembly
_ Cellulose nitrate storage	Haz Mat site remed:		Radioactive materials
_ Combustible fiber storage	Highly toxic pestic	-	Refrigeration equipment
_ Compressed gases, flammable	High-piled combust:		Spraying or dipping
Cryogens	Junk yarde	.DIE BLOCK	Tank vehicles
_ Dry cleaning plants			
_ Dust-producing operations	Liquefied petroleum	ı Brana	Tents and air-supported structu
_ Excavations near flammable or	Lumber yards		Tire recapping
combustible liquid pipelines	Magnesium working		Wasta material handling pla
Explosives or blasting agents	Mall, covered		Welding and cutting operation
	Monitoring well in		
<u></u>	Monitoring well de	truction	
AN REVIEWS:			
Automatic Sprinkler Systems, # of h	•		
Automatic Fixed Fire Extinguishing	Systems (specify)		
Dry Chemical, / of Nozzles	 		
Halon, # of Nozzles			
Other, explain		•	
_ Fire Alarm System			
_ Automatic Fire Detection System, #	of detectors		
_ Above Ground Tank Installation, 🕴 o	of tanks, tank c	apacity	
_ Above Ground Tank Removal, / of tar	iks, tank capacit	у	
_ Underground Tank Installation, # of	tanks, tank c	apacity	
Underground Tank Removal, # of tank	s, tank capacit	у	
Underground Tank Abandonment in Pla			
Underground Tank/Line Performance T		• • •	
_ Underground Tank Soils/Water Analyt	ical Report		



ALBERT J. BORO

COUNCIL MEMBERS DOROTHY L. BREINER PALL M. COHEN. MICHAEL A. SHIPPEY JOAN C. THAYER

Fire Department: Phone (415) 485-3308; FAX (415)453-1627

SAN RAFAEL FIRE DEPARTMENT

PERMIT

This Permit has been issued to the following, pursuant to the conditions stipulated herein and in conformance with Uniform Fire Code, state and local ordinances.

This Permit expires when change of ownership, business name, or conditions outlined herein occur. This Permit shall be posted, visible and made available upon request by the Fire Prevention Inspector. This Permit may be revoked at any time for due cause in violation of the Uniform Fire Code.

PERMIT NO: FPB 92-1029

ADDRESS OF PROJECT: PROJECT/BUSINESS NAME:

OWNER/CONTRACTOR:

ADDRESS:

CITY, STATE, ZIP:

PHONE: (415)-472-3670 BUSINESS PHONE:

9000 Northgate Mall

Sears Roebuck & Co. Attn: Jim Chisholm

9000 Northqate Mall San Rafael, CA 94903

PERMIT: Tents and Air-Supported Structures

> CONDITION: Article 12, UFC CONDITION: Article 32, UFC CONDITION: Title 19, CCR CONDITION: Title 24, CCR

SAN RAFAEL FIRE DEPARTMENT

PERMIT (Continuation)

PERMIT NO: FPB 92-1029

PROJECT/BUSINESS NAME: Sears Roebuck & Co.

OWNER/CONTRACTOR: Attn: Jim Chisholm

PERMIT: Tents and Air-Supported Structures

INSPECTION REQUIRED INSPECTED BY DATE

SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

Address of Project 9000 L	JOSEPHANTE WALL >	AN PAFABLUK
Project/Business Name Sylves	Robert & Co.	
Contractor's Name		<u>.</u>
Address		•
City, State, Zip	RACARL CA 94503 phone No.	415-472-3670
Mailing Address for Invoices (if dif		
-	· · · · · · · · · · · · · · · · · · ·	40604 64 5
,	Expiration	up/already s
San Rafael Business License #	Expiration	
on your project to the nearest & hou indirect costs for actual expenses in necessary to review your project. The mailed to you. Your project Perm fees are due and payable upon receip fee and 1 1/2% per month interest wipursue all other legal remedies for vices, you will be invoiced during en	track time spent on your project. You will be r, with a minimum one hour charge. The Departm neurred for consultant and/or contractual servine fee will be collected at the completion of yit will not receive final Fire Department approx t of the invoice and become overdue 30 days lately 11 be charged. In addition to not issuing final unpaid accounts. On projects that accumulate mach month that the balance exceeds 3 hours (or	ment will also charge direct and lees plus overhead which may be your project, and an invoice will oval until all fees are paid. The ter, at which time a 1/2 hour late approval, the Fire Department will more than 3 hours (or \$150) in ser-\$150).
agree to pay such fees and understand	rding fees for this project, and I understand he details they are due prior to final acceptance of authorized to encumber expenses on behalf of the second s	of my project. Further, under penal the firm listed above.
x tet	Auf Jim CHISHOL Title Print Name	<u> 5/18/92</u>
Signature	Title Print Name	/ Date/
UFC PERMITS:	,	,
Aircraft refueling vehicles	Flammable or combustible liquid pipeline	Nitrate film
Aircraft repair hanger	operation and excavation	Oil and natural gas wells
Automobile wrecking yard	Flammable or combustible liquids and tanks	Open burning
Bonfires or rubbish fires	Fruit ripening	Open-flame devices in marinas
Bowling pin or alley refinishing	Fumigation or thermal insecticidal fogging Garages	Organic coatings
Burning in public place	Garages Hazardous materials	Ovens, industrial baking or drying
Candles and open flames in assembly areas	Haz Mat site characterization/	Parade floats
Cellulose nitrate storage	Investigation report	Places of assembly
Combustible fiber storage	Haz Mat site remediation report	Radioactive materials
Compressed gases, flammable	Highly toxic pesticides	Refrigoration equipment
Cryogens	High-piled combustible stock	Spraying or dipping
Dry cleaning plants	Junk yards	Tank vehicles
Dust-producing operations	Liquefied petroleum gases	Tents and air-supported structures
Excavations near flammable or combustible liquid pipelines	Lumber yards	Tire recapping
Explosives or blasting agents	Magnesium working Mall, covered	Waste material handling plant
	Monitoring well installation	Welding and cutting operations
The second second	Monitoring well destruction	
PLAN REVIEWS:		
Automatic Sprinkler Systems, / of	honds	
Automatic Fixed Fire Extinguishing	Systems (specify)	
Dry Chemical, # of Nozzles	, ————————————————————————————————————	
Halon, # of Nozzles		
Other, explain		
Fire Alarm System		,
Automatic Fire Detection System,		
	of tanks, tank capacity	
	nks tank capacity	
	f tanks, tank capacity	
	ace, f of tanks, tank capacity	
Underground Tank/Line Performance		_
Underground Tank Soils/Water Analy		
Other evolute		

<u>ALEIDODIO DE DE LI ELECTRIDADE DE CRECIPA DE CONTRODO</u> CITY SAN RAFAEL FORSEARS NORTHGATE MALL retardant treated (or are inherently nonflammable). × 9 The Flame Retardant Process Used will not This is to certify that the materials described on the reverse side hereof have been flame Certification is hereby made that: (Check "a" or "b") The articles described on the reverse side of this Certificate have been treated with a flame-retardant The articles described on the reverse side hereof are made from a flame-resistant fabric or materia chemical was done in conformance with the laws of the State of California and the Rules and chemical approved and registered by the State Fire Marshal and that the application of said Method of application..... Regulations of the State Fire Marshal registered and approved by the State Fire Marshal for such use Name of chemical used... Trade name of flame-resistant fabric or material used........ Certificate of Flame Resistance **APPLICATION** CONCERN No. REGISTERED F-337 ACADEMY TENT AND CANVAS, Los Angeles, CA 90058 2910 South Alameda Street ADDRESS 9000 NORTHGATE MALL STATE (will or will not) X2R Vinyl Be Removed by WashingChem. Reg. No... INC. 8/91 Reg. No.F-337 Date treated or manufactured

Tom Shapiro -

President

Name of Applicator or Production Superintendent

David Bradley



MAYOR
LAWRENCE E. MULRYAN

COUNCIL MEMBERS
ALBERT J. BORO
DOROTHY L. BREINER
MICHAEL A. SHIPPEY
JOAN C. THAYER

Fire Department

January 24, 1992

Mr. Jim Chisholm Sears 9000 Northgate Mall San Rafael, CA 94903

Dear Mr. Chisholm:

In looking through the file, I see there is no permit to utilize flammable or combustible liquids. Also the permit to operate a garage is not on file.

On the application form, I have check these two areas. If there are others related to the shop, please mark those areas, i.e., compressed gasses, flammables. There is only one fee for the application of more than one permit.

Please return the application to the San Rafael Fire Department, 1039 C Street, San Rafael, CA 94901 within the next two weeks. Thank you.

Sincerely,

ROBERT E. MARCUCCI

Fire Chief

BRADLEY R! MARI Fire Inspector

REM: BRM:ss

Enclosure



MAYOR ALBERT J. BORO

COUNCIL MEMBERS
DOROTHY L. BREINER
PAUL M. COHEN
MICHAEL A. SHIPPEY
JOAN C. THAYER

Fire Department: Phone (415) 485-3308; FAX (415)453-1627 SAN RAFAEL FIRE DEPARTMENT

PERMIT

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PERMIT NO: CATEGORY:

FPB 91-2170 Commercial

ADDRESS OF PROJECT:

9000 Northgate Mall

PROJECT/BUSINESS NAME: OWNER/CONTRACTOR:

Sears

ADDRESS:

Scott Co.

CITY, STATE, ZIP:

1919 Market St. Oakland, CA 94607

PHONE: (510)-834-2333

BUSINESS PHONE:

(Is/saed by)

(Date)

SPRINKLER SYSTEMS

INSPECTION	ВУ	DATE
PLANS REVIEWED	N/A	
UNDERGROUND INSPECTION	N/A	
UNDERGROUND HYDRO	N/A	
UNDERGROUND FLUSH	N/A	
OVERHEAD HYDRO	N/A	
OVERHEAD INSPECTION	brm	12/09/91
ALARM INSPECTION	N/A	, ,
ALARM TEST	N/A	
CDDM TOGUEDS.	·	

U.L. CERT. ISSUED:

COMMENTS: This permit is for three separate locations. Each project will need new permits.

. 91-2170

SAN RAFAEL FIRE DEPARTMENT

PERMIT APPLICATION

50693-63-4002

THIS IS NOT YOUR PERMIT

**ECEIVED

Address of Project	9000 North Gate Mall	DE	C 1 6 1991
Project/Business Name	Sears San Rafael		.551
	Scott Co.	cm 6	TRE DEDT. P SAN RAFAEL
Contractor's Name	1919 Market St.		
Address		024	2222 2222
City, State, Zip	Oakland, Ca. 94607		4.2333 ext. 3382
Mailing Address for Invoice	es (if different than above) $_$	1919 Market St. Oak	land, Ca. 94607
State Contractors License	184480	Expiration may ol,	1992
San Rafael Business License	022309	Expiration December	<u>31,</u> 1991
on your project to the near indirect costs for actual of necessary to review your properties are due and payable upfee and 1 1/2% per month in pursue all other legal removices, you will be invoiced.	rest & hour, with a minimum one expenses incurred for consultar roject. The fee will be collect oject Permit will not receive for receipt of the invoice and nterest will be charged. In additional terms of the invoice and during each month that the basement regarding fees for this p	e hour charge. The Department and/or contractual service ted at the completion of your final Fire Department approvement of the composition of the composition to the composition of the	our project, and an invoice will al until all fees are paid. The r, at which time a 1/2 hour late approval, the Fire Department will re than 3 hours (or \$150) in ser-150). w the fees will be calculated,
	understand that they are due p I am duly authorized to encumb		my project. Further, under penalty e firm listed above.
· Ch	Plumbing Fore	man	D. 10 1001
Signature	Title	G. Morris Print Name	December 12, 1991 Date
	11011.	TTIIC NAME	Dute
UFC PERMITS:			
Aircraft refueling veh	icles Flammable or c operation and	ombustible liquid pipeline excavation	Nitrate film
Aircraft repair hanger	Flammable or c	ombustible liquids and tanks	Oil and natural gas wells
Automobile wrecking yas	Fruit ripening	•	Open burning
Bonfires or rubbish fir	Fumigation or	thermal insecticidal fogging	Open-flame devices in marinas
Bowling pin or alley re	Garages		Organic coatings
Burning in public place Candles and open flame	Hazardous mate	rials	Ovens, industrial baking or drying
assembly areas	and the second s	haracterization/	Parade floats
Cellulose nitrate store	age Haz Mat site r	•	Places of assembly Radioactive materials
Combustible fiber store	age Highly toxic p	•	Refrigeration equipment
Compressed gases, flam	mable High-piled com		Spraying or dipping
Cryogens	Junk yarda	Daget Decoun	Tank vehicles
Dry cleaning plants	Liquefied petr	oleum gases	Tents and air-supported structures
Dust-producing operation	ons Lumber yards	•	Tire recapping
Excavations near flamma combustible liquid pipe	able or	ing	Wasto material handling plant
Explosives or blasting	agents Mall, covered		Welding and cutting operations
	Monitoring wel	l installation	
	Monitoring wel		
PLAN REVIEWS:			
	stoms, / of heads 3 seperate	areas less than 10 ea	ch area.
	ctinguishing Systems (specify)		
Dry Chemical, # of			
Halon, # of Nozzles			
Other, explain Fire Alarm System			
	on System, # of detectors		
	allation, f of tanks, ta	nk capacity	
	val, f of tanks, tank cap		
	lation, f of tanks, tank cap		
	il, f of tanks, tank cap		
	onment in Place, / of tanks		
Underground Tank/Line F		· · · · · ·	
Underground Tank Soils/	Water Analytical Report		

October 14, 1991

To:

Captain Tuohy

From:
Subject:

Bradley Mark

ct: Sears Automotive Sears Second Floor

Inspection Date: October 9, 1991

Automotive:

Hang extinguisher in shop - one on the floor.

10/1/21/2.

Lounge receptacle missing, behind refrigerator.

10/3.

Fix emergency lights in West stairwell

0 K-4.

Apply for permit.

0, /2/2/

Lighting along West, new parts retail wall is blocking sprinklers.

Second Floor:

01/21

Sprinkler contractor must contact the Fire Department prior to modifications for a permit.

OKV

Sprinklers have been in the eyeglass area and the furniture area.

110-922

Label manual valves for trash chute (sprinkler valves).

Signs.

Carpet storage area ceiling has holes. Much work has been completed.

Items Completed:

#31

#51

#68

#61

REINSPECTION DATE: November 6, 1991

A Pre-Citation will be issued if items not completed.

1-24-92 - AT THIS TIME ALL ABOUR GIOLATIONS
HAVE BEEN REPAIRED AND A PERMIT APPLICATION
HAS BEEN SENT TO MR. CHISHOLM.

1 × 611/4-2/1 - 472-3670

FIRE PREVENTION BUREAU

INSPECTION NOTICE
JOB LOCATION AT: SEARS AUTOMOTIVE
Your job was inspected today and the following corrections are required. When the corrections have been made, call (415) 485-3308 for a re-inspection.
HANG EXTINGUISHERS - IN WORK AREA THOUST EMERGENCES I I ATTICL IN STAIR LIES I-F (4) LIGHTING IN DISDIAY APEA PANCHING PANCEPRINK LEND, TWILL CALL WITH EIRETHE
(5) PFRM 7 04, 2 a a
- 58-5-1 Collas

Date: 109-91 By: 15 rod 17 b. K

11-7-91 8:22 200 call-47 mcG 11-12-91 1145 Tallus To Jam chipolm-Sprind contractor will call me within a week.

CITY OF SAN RAFAEL FIRE PREVENTION BUREAU

Date: 10.9-91 By: Fire Department

DO NOT REMOVE THIS NOTICE



MAYOR LAWRENCE E. MULRYAN

COUNCIL MEMBERS ALBERT J. BORO DOROTHY L. BREINER MICHAEL A. SHIPPEY JOAN C. THAYER

SAN RAFAEL FIRE DEPARTMENT

PERMIT

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PERMIT NO: FPB 91-1033

ADDRESS OF PROJECT:

PROJECT/BUSINESS NAME:

OWNER/CONTRACTOR:

ADDRESS:

CITY, STATE, ZIP:

PHONE: (415)-472-3670

9000 Northgate Mall

Sears

Attn: Jim Chisholm 9000 Northgate Mall San Rafael, CA 94903

BUSINESS PHONE:

Issued By

PERMIT:

Mall, Covered

CONDITION: Article 35, UFC

Vehicle on display

SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

1st flow next to escalation

Address of Project 9000 Project/Business Name Contractor's Name **Address** City, State, Zip Phone No. Mailing Address for Invoices (if different than above) _ State Contractors License # _ Expiration San Rafael Business License # Expiration

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e to pay such fees and understand serjury, I declare that I am duly a					•
XVIII -	AMF		<u> </u>	صدسر	8/27/9
Signature	Title	Pri	rt Name		Date / /
PC PERMITS:					•
Aircraft refueling vehicles	Flammable or con	mbuetible liquid	l pipeline	Nitrate	film
Aircraft repair hanger	operation and ex		, p-p		natural gas wells
_ Automobile wrecking yard	Flammable or con	mbustible liquid	is and tanks	Open bu	-
	Fruit riponing				
_ Bonfires or rubbish fires	Fumigation or the	hermal insectic	dal fogging	•	ame devices in mari
Bowling pin or alley refinishing	Garages				coatings
_ Burning in public place	Hazardous mater:	ials			dustrial baking or dr
Candles and open flames in assembly areas	Haz Mat site ch			Parade	
Cellulose nitrate storage	Investigation re	•			of assembly
Combustible fiber storage	Haz Mat site re	mediation report	•		tive materials
Compressed gases, flammable	Highly toxic per	sticides		Refrige	ration equipment
_ Cryogens	High-piled comb	ustible stock .		Sprayin	g or dipping
Dry cleaning plants	Junk yarda			Tank ve	hicles
Dust-producing operations	Liquefied petro	leum gases		Tents and	lair-supported struct
	Lumber yards			Tire re	capping
Excavations near flammable or combustible liquid pipelines	Magnesium worki	ng		Wasts m	aterial handling pl
Explosives or blasting agents	Mall, covered -	- UBHI	CLE	Welding	and cutting operati
	Monitoring well	installation		•	
	Monitoring well	destruction			•
LAN REVIEWS:					
Automatic Sprinkler Systems, # of he	ebac				
Automatic Fixed Fire Extinguishing	Systems (specify)				
Dry Chemical, # of Nozzles					
Halon, f of Nozzlas					
Other, explain		1			
Fire Alarm System					
Automatic Fire Detection System, #	of detectors		ė		
Above Ground Tank Installation, # o		k canacity			
Above Ground Tank Removal, # of tank					
Underground Tank Installation, / of	•	· ———			
Underground Tank Removal, # of tank					
Underground Tank Abandonment in Plac		_, tank capacit	у		
Underground Tank/Line Performance To					
Underground Tank Soils/Water Analyt: Other, explain	cai Keport				



LAWRENCE E. MULRYAN

COUNCIL MEMBERS ALBERT J. BORO DOROTHY L. BREINER MICHAEL A. SHIPPEY JOAN C. THAYER

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PERMIT NO: FPB 91-1029

ADDRESS OF PROJECT:

9000 Northqate Mall

PROJECT/BUSINESS NAME:

Sears Roebuck

OWNER/CONTRACTOR:

Sears Roebuck

ADDRESS:

9000 Northqate Mall

CITY, STATE, ZIP:

San Rafael, CA 94903

PHONE: (415)-472-3670 BUSINESS PHONE:

PERMIT:

Tents and Air-Supported Structures

Article 12, UFC CONDITION: Article 32, UFC CONDITION: Title 19, CCR CONDITION: CONDITION: Title 24, CCR

SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

Address of Project 9000 NorthyATT	, <u>v</u>	W	
Project/Business Name 5/2 And Folkishick	- 16	. 14	-1
Contractor's Name	•		
Address			·
City, State, Zip San Pafalz	94905 Phone No	472-3670	
Mailing Address for Invoices (if different than above)		· .	
State Contractors License #	Expiration	·	
San Rafael Business License #	Expiration	· · · · · ·	

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eve read the above statement regard be to pay such fees and understand berjury, I declare that I am duly a	that they are due prior to	final acceptance of	f my project	. Further, under
	1.=			a hala
	Amt	11 CH-13HO	Cu	<u> </u>
Signature	Title	Print Name		Date/
FC PERMITS:				
Aircraft refueling vehicles	Flammable or combustibl		Nitrat	a film
Aircraft repair hanger	operation and excavation		Oil and	d natural gas wells
Automobile wrecking yard	Flammable or combustibl	e liquide and tanks	Open b	urning
Bonfires or rubbish fires	Fruit ripening		·	lame devices in marin
Bowling pin or alley refinishing	Fumigation or thermal i	neecticidal fogging	 •	c coatings
Burning in public place	Garages			ndustrial baking or dry
Candles and open flames in	Hazardous materials		Parade	-
assembly areas	Haz Mat site characteri	zation/		
Cellulose nitrate storage	Investigation report			or sesementy
Combustible fiber storage	Haz Mat site remediatio	-		ctive materials
Compressed gases, flammable	Highly toxic pesticides			eration equipment
Cryogens	High-piled combustible	stock		ng or dipping
Dry cleaning plants	Junk yards		ブ	ehicles
Dust-producing operations	Liquefied petroleum gas	es	Tenta ar	nd air-supported structu
Excavations near flammable or	Lumber yards		Tire r	ecapping
combustible liquid pipelines	Magnesium working		Wasto	material handling pla
Explosives or blasting agents	Mall, covered		Welding	and cutting operation
	Monitoring well install	ation		
	Monitoring well destruc	tion		
LAN REVIEWS:				
Automatic Sprinkler Systems, # of 1	heads			
Automatic Fixed Fire Extinguishing	Systems (specify)			
Dry Chemical, # of Nozzles				
Halon, # of Nozzles	•			
Other, explain				
Fire Alarm System				1
Automatic Fire Detection System, #	of detectors			
Above Ground Tank Installation, #	of tanks, tank capaci	lty		
Above Ground Tank Removal, # of tan				
Underground Tank Installation, # o:				
Underground Tank Removal, # of tank				
Underground Tank Abandonment in Pla				
Underground Tank/Line Performance				
Underground Tank Soils/Water Analys				
Other, explain	-zees wohere			•

Certificate of Flame Resistance



APPLICATION RESTRED

CONCERN N

F-337

AS GRITSSI

Los Angeles, CA 90058 2910 South Alameda Street ACADEMY TENT AND CANVAS, INC.

8/91

Date treated or manufactured

retardant treated (or are inherently nonflammable). CITY SAN RAFAEL FOREARS MORTHGATE MALL (a) The articles described on the reverse side of this Certificate have been treated with a flame-retardant This is to certify that the materials described on the reverse side bereof have been flame-Certification is hereby made that: (Check "a" or "b") chemical approved and registered by the State Fire Marshal and that the application of said STATE ADDRESS 9000 NORTHGATE MALL C

chemical was done in conformance with the laws of the State of California and the Rules and Regulations of the State Fire Marshal. Chem. Reg. No.

Name of chemical used

Ŧ The articles described on the reverse side hereof are made from a flame-resistant fabric or material Method of application. registered and approved by the State Fire Marshal for such use.

又

The Flame Retardant Process Used will not Be Removed by Washing Trade name of flame-resistant fabric or material used X2R Vinyl

Reg. No. F-337

Name of Applicator or Production

David Bradley

Tom Shapiro - President



LAWRENCE E, MULRYAN

COUNCIL MEMBERS ALBERT J. BORO DOPOTHY L. BREINER MICHAEL A SHIPPEY JOAN C. THAYER

22

SAN RAFAEL FIRE DEPARTMENT

PERMIT

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PERMIT NO: FPB 91-1008

ADDRESS OF PROJECT:

9000 Northgate Mall

PROJECT/BUSINESS NAME:

Sears Roebuck

OWNER/CONTRACTOR:

ADDRESS:

Attn: Keith Hooper, Sales Mgr91100

9000 Northgate Mall

CITY, STATE, ZIP:

San Rafael, CA 94903

PHONE: (415)-472-3670 BUSINESS PHONE:

PERMIT:

Tents and Air-Supported Structures

CONDITION: Article 12, UFC CONDITION: Article 32. UFC CONDITION: Title 19, CCR CONDITION: Title 24, CCR

Attu SHARON. 289 4150

SAIRA MAG	P LIKE DE	SPAK TPIENT
PERMI	T APPLICA	MOIT
THIS IS	NOT YOUR	PERMIT

Address of Project 9000	Nonthaktis MAIL	
Project/Business Name S/-	ARS ROUBUCK	
	12-3670	
	GEMY TENT AND CANDAS	4 (1 ED)
City, State, Zip CALP	9 4040	BO ELPOCIAS PAPER A ADLA
	859 61 472-6771	
State Contractors License #		_
5an Rafael Business License	Expiratio	
A time keeping form will be	kent to track time start -	
chargo. The fee will be colbe mailed to you. Your project all fees are paid. The fee overdue 30 days later, at white the charged. In addition to rother legal remedies for unperservices, you will be invoiced that the charge of	lected at the completion of your proct Permit will not receive final Fire s are due and payable upon receipt ich time a 1/2 hour late fee and 1 1/1 to issuing final approval, the Fire aid accounts. On projects that accumed during each month that the balance of the recent recently force for this	s, with a minimum one hour sject, and an invoice will pepartment approval until of the invoice and become 2% per month interest will Department will pursue all ulate more than 3 hours in e exceeds 3 hours.
final acceptance of my project	ee to pay such fees not this project, ee to pay such fees and understand to t. Further, under penalty of perjury ses on behalf of the firm listed above	hat they are due prior to
	HOME LOIPDOUS MONT	
	SALLS MINNINGA KLITH /-	100DGD 4/12/91
Signature	Title Print	Name Date
UFC PERMITS:		
Aircraft refueling vehicles	Flammable or combustible liquid pipeline operation and excaustion	Nitrate film
Aircraft repair hanger	Plaumable or combustible liquids and tanks	Oil and natural gas walls
Automobile wrecking yari	Fruit ripening	Open burning
Bonfires or rubbish fires	Funigation or thermal insacticidal fogging	Open-flame devices in marines
Bowling pin or alley refinishing	Garages Carages	Organic costings
Burning in public place	Hazardous materials	Ovens, industrial baking or drying
Candloo and open flames in accombly areas	Haz Map site characterization/	Parade floats
Cellulose nitrate storage	Investigation report	Places of assembly
Combustible fiber scorage	Haz Mat site remediation report	Radioactive materials
Compressed gaous, flammable	Highly toxic pearloides	Refrigeration equipment
Cryogens	High-piled combustible stock	Spraying or dipping
Dry cleaning plant:	Junk yardo	Tank vahiclos
Dust-producing operations	Liquatied petroleum gases 40 x 100	Tents and air-supported structures
Excavations near flammable or	Lumber yards / 15/666 4/16 (Tire recapping
combustible liquid pipalines	Magnesium working (thickness 4/19)	Waste material handling plant
Explosives or blasting agents	Mall, covered	Welding and cutting operations
	Monitoring well installation	
	Monitoring well destruction	
TVU UMAIRAE:		
Automatic Sprinkler Systems, / of he		
Automatic Fixed Fire Extinguishing S		
Dry Chemical, 0 of Nozzles		
Halon, f of Nozzles		
Other, explain		
Fire Alarm System		
_ Automatic Fire Detection System, # D.		
Above Ground Tank Installation, # of	tanks, tank capacity	
Above Ground Tank Removal, # of tank	tank capacity	
Underground Tank Installation, # of	canka, tank capacity	
underground Tank Removal, f of tanks	, tank capacity	
Underground Tank Abandenment in Place	, f of tanks, tank capacity	r.
Underground Tank/Line Performance Tes		
Underground Tank Soils/Water Analytic	eal Report	_
_ Othor, explain	. •	
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AHN. SHLAON. STREET 45 x 100 tent TALL DOWN Auto Ceutea SEARS HUNGAY HOUSE RESTURBUT

	annananana Certificate	of Flame 3	Resistance
The retardant FOR SEAL CITY SAN	REGISTERED APPLICATION CONCERN No. ACAI 2910	issum ay DEMY TENT AND CANVA) South Alameda Str Angeles, CA 90058	Date treated or manufactured
The retardant FOR SEAL CITY SAN	treated (or are inherently RS_NORTHGATE_MALL. RAFAEL	ADDRESS CA	erse side horeof have been flame-
	The articles described on the rechemical approved and registered chemical approved and registered was done in conformation.	everse side of this Certificate his stered by the State Fire Mar- rmance with the laws of the Marshal.	ave been treated with a flame-retardant shall and that the application of said State of California and the Rules and
XX (b)	Method of application The articles described on the registered and approved by	reverse side hereof are made the State Fire Marshal for su	from a flame-resistant fabric or material
	e Flame Kerargani Fro	ByTo	m Shapiro - President

CONTROL NO.
CUSTOMER ORDER NO
CUSTOMER INVOICE NO.
YARDS OR QUANTITY
COLORWHITE
STYLE TENT
DATE PROCESSED4/12/91
40 x 100 WHITE CANOPY

PERMIT

This Permit has been issued to the following, pursuant to the conditions stipulated herein and in conformance with Uniform Fire Code, state and local ordinances.

This Permit expires when change of ownership, business name, or conditions outlined herein occur. This Permit shall be posted, visible and made available upon request by the Fire Prevention Inspector. This Permit may be revoked at any time for due cause in violation of Uniform Fire Code.

Address of Projec	t <u>9000</u>	Northgate Mal	1	
Project/Business	Names	ears Roebuck &	Co.	
Type of Permit	UFC: Weldin	g/Cutting	Permit No. FPB	91-028
Contractors Name		actons		-
Address				···
City, State, Zip			Phone No. 4	92-8115
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Issued by:	-lenne	Leei -	Date 3/14/9/	
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Conditions:		=======================================		-/ -/
Conditions: 22	comply i	with Fire	svevenhal'	Landon.
Application Complete	Incom	plete*	Date <u>2//</u>	9/9/
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Date 1/4 — Initial 42 —			 	+
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	UNIFOR	M FIRE CODE PERMITS		
5				
<u> </u>	Type of lns		DATE: 3/1	
	Type of Ins		DATE:	
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COMMENTS:		PECITON DY:	DATE:	
OOI WILLIAM		<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>

SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION THIS IS NOT YOUR PERMIT

RECEIVED

FEB 28 1991

	thgate Mall, San Rafael, CA 94903	
Project/Business Name Sears		FIRE DEPT. CITY OF SAN RAFAEL
Business Phone No. (415)		
Contractor's Name Sears Roeb		
Address 9000 North	gate Mall	
City, State, Zip San Rafael		
Phone No. <u>(707) 492-81</u>	15	
State Contractors License # $\underline{1}$	428C Expiration	Chicago Towers
San Rafael Business License #	012120 Expiration	12/31/91
charge. The fee will be coll be mailed to you. Your projec all fees are paid. The fees overdue 30 days later, at which be charged. In addition to no other legal remedies for unpai	ept to track time spent on your projectrour project to the nearest 1/4 hours ected at the completion of your protected at the completion of your protected at the completion of your protected are due and payable upon receipt of time a 1/2 hour late fee and 1 1/2 tissuing final approval, the Fire I daccounts. On projects that accumulations are month that the balance	ject, and an invoice will bepartment approval until of the invoice and become per month interest will bepartment will pursue all tate more than 3 hours in
rees will be calculated, agre- final acceptance of my project	nt regarding fees for this project, e to pay such fees and understand the further, under penalty of perjury es on behalf of the firm listed above	hat they are due prior to
Jack Lindst	adt Service Manager Title Print	Name 2/25/91 Date
/		
UFC PERMITS:		
Aircraft refueling vehicles	Flammable or combustible liquid pipeline operation and excavation	Nitrate film
Aircraft repair hanger	Flammable or combustible liquids and tanks	Oil and natural gas wells
Automobile wrecking yard	Fruit ripening	Open burning
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Bowling pin or alley refinishing	Garages	Organic coatings
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Excavations near flammable or	Lumber yards	Tire recapping
combustible liquid pipelines	Magnesium working	Waste material handling plant
Explosives or blasting agents	Mall, covered	Welding and cutting operations
	Monitoring well installation	
	Monitoring well destruction	
PLAN REVIEWS:		
Automatic Sprinkler Systems, / of hea	ds	
Automatic Fixed Fire Extinguishing Sy	stems (specify)	
Dry Chemical, f of Nozzles		
Halon, # of Nozzles		
Other, explain		
Fire Alarm System		
Automatic Fire Detection System, # of		
	tanks, tank capacity	
	, tank capacity	
	anks, tank capacity	
	, tank capacity	
	, / of tanks, tank capacity	_
Underground Tank/Line Performance Tes		
Underground Tank Soils/Water Analytic	al Report	
Other, explain		

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		1 nspection	Report	الرسورات	المارس وا	- SMARK	כייו	S	an Rafael	Fire De	partment	485-33	308	_
	•			JA YOU	157	Floor	2	-4		•				
		GOOD O	linaari	11 . TE	<u> </u>	//	C ~	- 1 1	42 /			ν,		
	Addro	ess 9 000,	NORTH	16416	MAI	Business Na	" / TV	Ares	Ronbe	10 R -	L C 12	FP-13		
	Issue	ed By/Date 1st Insp	1-17-51	127	2nd Insp.	1-29-9	1 100	_ 3rd Insp.	<i>:</i>	FMA_	Refer	to FPB		
	At the	e time of the inspecti	on those items r	marked in colur	mns 1, 2 or	3 were found	to be in violat	ion and sha	all be correct	ed immedia	tely. Re-insp	ections oc	cur in	
	appro	oximate two week inte General Businesses	rvals. Items mar	ked under NA (or OK were	either not app	licable or were	in complia thighly flow	nce at the tip	ne of the in	spection. inking/dining	a octablichm	nente	
	schoo	ol rooms for those beyo	nd the 12th grade	e, for less than t	s, lactories, 50 people, w	voodworking ar	id cabinet shop	s which are	owner operat	ed or where	not more thai	n one emplo	yee is	
	opera	ating one piece of equi	ipment or applian	ice.		1. 11.	et j		Z-1		•			
	GENE	RAL REQUIREMENTS A	ND SPECIAL HAZ	ARDS	Landing To				(0	4000-	gammaden anne	ny Notice		
		Install approved addr	i i	1.500					L	///	#1 #2-	#3 NA	OK .	1
	2.~~	Individual work-static	in trash cans sha	ill be metal or i			V 11 (ノフ		\bigcup	 万	.J <u> </u>		2
+	3. 5	Trash cans used for c Remove accumulation	ollection shall be not waste mater	e metal or appr ial on exterior o	oved equal of building.	with a lid.	1 1 -		de bo	15 town	<u> </u>		=	5
	6.	Maintain 30" clearand Maintain all area or c	ce of combustible	es to heat prod	ucing applic		ووجت سندور يوسلامت	stans		Jid-	1689		!	3 11
	12.	Maintain in operable	condition and rer	nove all obstru	ictions to fi	re/smoke door	s and fire damp	pers. C. £				1 =		12
*	14.	Keys needed for acce	ss to all portions	or building are	current an	ig iu vuox-Rox	TOP YES	e :				1		14
	EVITI	NO DEÑHIDEMENTO D	ACED ON AN OCC	HOANT LOAD C	ACTOR OF O	NC BEDGON E	D EVEDY							
	EAIIII	ING REQUIREMENTS, B 100 square feet—o	•	OĽWNI LOWD LI	MGIUN UF U	ME FEROUN FL	in event	7		.∯6 Seider				
		30 square feet—re 50 square feet—re	etail shops (groui	nd floor) – r floors) - librar	v locker ar	eac ate	and and and and and and and and and and	oue.mils#						
	1	∠ 20 square feet — c	ollege classroom:	s	y, touttor ar	(3)	The same of the sa							
•	.~	_ 15 square feet—c	onterence rooms										***	
	17.	Two exits required if	occupant load ex	ceeds 50 (exc	ept offices)	. \.\			.,	i i				17'
		Two exits required if Two exits required from						• •		<i>!</i>				18 21
	22.	Two exits required from	om all basements	s and above the	e second flo	oor.	January Handley		ť	.• •				22 23
	24.	Two exits required from When two exits are r	equired they mus	st be separated	by 1/2 of th	e diagonal dis	tance of the ro	om.	-	7				24
	25. 27.	Three exits required i Maximum distance to	f occupant load of an exit is 150' (exceeds 500, fo	our if over: huildings) o	1000 // /sprinkl	ered buildings)	er Ve		. T	- 4/4-			25 27
1	28.	Dead end corridors m	ay not exceed 20	Ò'.									—	28 30
•	31.		iave dead bolts o	r other similar	devices.	tney must only	swing out.					· 		31
٠.		Exit doors and exit page. No storage beneath a			1.4.5	onstruction.				. ,		~ ~		34. 35
*	36.	Corridors serving 30	or more shall be	1 hr. rated with	h 20 minute	self closing o	loors							36 38
	40.	If occupant load exce If occupant load exce	eds 300 the exit	signs shall be	illuminated	on a separate	circuit					·		40
	41.	All exit paths shall be the exit lighting must	e lighted at all ti t also be on sepa	me that the bu rate circuits.	ilding is oc	cupied. If sepa	rate circuits ar	re required f	for the exit si	gns .				41
	` 95.	Maximum occupant I Interior stairways to	oad sign is requi	red if less than	50 people.	(Restaurants;	Lounges)							95 44
1	- 1-1 ,	intendi stanways to	ue rateu isili situ	1 3 01 4 3101103	:			i dijari			+			-
		PROTECTION EQUIPMI			W/W	// A		M = M				•		
		One 2A10BC fire ext One additional 40BC					5' maximum tra	avel distance	;e)	•		·		45 49
,	50.	Extinguishers shall b Extinguishers shall b	e easily accessib	ie wall mount	ed at a heig	tht not less th	an 4 or more t	han 5' from	floor:	bf DEN	7 H 3/1	} — —		50 51
	55.	Fire protection or det	tection systems š	shall be extend	ed altered	or repaired as	necessary, to m	naintain pro	itection.			<u> </u>		55
	57.	Fire Department con	nection caps in p	lace and work	freely.									56 57
	58.	Exterior exposed port Storage shall be mai	tions of systems	that are not br	ass or galv	anized shall be	painted with	rust prevent	tative paint.	MUSECIL	12:16	<u></u>		58 59
	60.	Storage shall be mai	ntained at least 2	24" below cejli	ng in unspr	inklered buildii	ıgs. 🤼		1.7.	Syca		Z7.		60
#	01.	Maintain systems as System Typ	18 💮 - 🐪	FFII:	Inspected.		Territoria	sted	派・シ	1621	77			••
_	-/	A. Standpipe B. Sprinkler	S e ³ l			Innually rly		Every 5 y Every 5 y						61
し	•	C. Pre-engine			Semi-a	innually & afte	r activation	Semi-anr	nually	and a				
	62 63	All commercial cook Hood and duct venti	ing shall have a c lation systems sh	dry chemical sy nall be maintair	vstem prote ned free of	cting all cooki grease.	ng surfaces			177	<u>/ </u>	<u> </u>		63
		,	•	- ر ا	- , A. Q	١١٤٦	PAR	5,5	.	2 8 80	1-1	م لما جداً	·	
		CTRICAL REQUIREMEN			1			ik T			ا تسمید	'		
	66 67	Discontinue use of e Cords shall not be at	xtension cords ar ffixed to or exten	nd cùbe adapte ided through w	ers in lieu of alls. ceiling	f permanent w s. floors or un	iring.	subject to p	hysical dama	age. 7	- 1	<u>}— —</u>		66 67
	68.7	Maintain 30" clearar Electrical main and s	nce fronting and a	around electric	al control p	anels ::::::::::::::::::::::::::::::::::::	1. miili, ''ll			PANI	¥ 1	<u> </u>		68 69
	UJ,	Livetrical Illaili allU S	wu panuis shall l	ייט ייטטייטע מאַ ני	ou.soj.ki	The second second	The second secon	~"	•					J.
	FLAN	MMABLE LIQUIDS	۹ پ		•			na e			•			
	74.	Discontinue use of li No storage of class	quids with flash	point below 11	0°F for clea	aning purposes	i.		μ), .s					74 75
	10.	HO STURAGE OF CIASS	in inquius iii basi	omonta.					4.5					
	beni	MITS ARE REQUIRED O	R COMPLIANCE V	VITH POSTEN P	ERMIT.	The second		•						
*	87.	To store in excess of	f 5 gallons of flar	mmable liquds	inside or 10	gallons outsi	de.						'	87
#	89.	To store in excess of For welding or cutting	ng torch operation	ns.	ias inside o '	r ou gallons of	usiae.	•						89
*	90. 91.	For above ground fla Lumber yards in exc	ımmable liquids s	storage tanks.	mber.		1							90 91
4	02	To operate refrigerat	ion equipment				1							92 93
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FP-8

San Rafael Fire Department, 485-3308

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GENERAL R	EQUIREME	NTS AND	SPECIAL HA	ZARDS						47	670)	£1 c#2	Notice _#3 NA	nk 🏎
2. Indiv 3. Trash 4. Trash 5. Remo 6. Main 8. A 1 h 11. Main 12. Main 14. Keys	idual work in cans used to cans used to cans used to canutain 30" clear. occupantain all are tain in open needed for	station t for colle for oily lation of earance o cy separ a or occurable con access	rags shall be waste mate of combustib ation wall is spancy separ dition and re to all portion	all be metal or emetal with metal with rial on extended to heat required be ation walls emove all of soft buildings.	approved eq n a self closi- rior of build producing a ntween a B- and draft si pstructions to g are curren	ual with a li ing lid. ing.	and any 7 \ 6 doors 5x-Box.	y other gro	1	3					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	EQUIREMEN square fee		D ON AN OC	CUPANT LO	AD FACTOR (OF ONE PERS	ON FOR	EVERY:						roma ig	
17. Two 19. Two 21. Two 22. Two 23. Two 24. When 26. Maxi 27. Maxi 28. Dead 29. Exit	exits requirexits requirexits requirexits requirexits requirements req	red if occ red if over red from red from are required to an oce to an ors may swing in	ired they mu exit is 75' (exit is 150' not exceed 2 the directio	e feet (H oo if occupants and abov larger than ist be separ H-2 only). (unsprinkle 20'. n of exit tra	cupancies). (load excee e the secon 2000 square ated by ½ d ered building	ds 10	nal dista sprinkler	nce of the	e room, () ngs).						
34. Exit 35. No s 38. If oc 39. If oc 41. All'e the e	doors and of torage bene cupant load cupant load xit paths sl exit lighting	exit path eath encl d exceeds d exceeds nall be lig must als	s shall not b osed stairs to s 100, all ex s 100, all ex s 100, all ex so be on sep	e obstructer unless proter its except transition its signs shat transition it in the sircuit arate circuit arate br>arate a arate a a arate a arate a arate a arate a arate a arate a arate a arate a arate a arate a arate a arate a a arate a arate a arate a a arate a arate a a arate a a a a arate a a a a a a a a a a a a a a a a a a a	d. cted by 1 hi he main enti all be illimin	r. construction rance shall he lated on a se is occupied	on i nave exi	∂ t-signs. circuit (no	∕\ ot B-1).	·	· - <u>-</u>				
46. B-1's 47. H-2's / 50. Extir 52. All s 53: H-2 55. Fire 56. All s 57. Fire 58. Exter 59. Store 60. Store	s,and H-4's aguishers sl aguishers sl praying ope occupancie protection prinkler val Departmen rior expose age shall be age shall be train syster State	e minimu shall ha nall be ea nall be se erations s s larger or detect ves shal t connec d portion d portion e mainta m Tune	m 2A 20BC ve minimum asily accessi rviced annu shall be in ai than 1500 si ion systems l be locked ition caps in s of systems ined at least ined at least	within 75 ff 40BC with ble, wall mally, after under a paperoved a ft. shall is shall be ex n open posi place and v a that are in 18" below.	t. from all points of the control of	ortions of the 80BC, within height not le an gauge ind with an app with an app red or repair ible and uno galvanized si	50 ft. ess than icates roroyed estalled. ed as nubstructe hall be puilding	and must 1 4" or mo echarge extinguishi ecessary ed & c painted wi	have at I re than 5 ing syste to mainta	east a 2/ from flo f / m.	oor. Gonde	F.O.C.	ヾ゙゠゠		
ELECTRICA	AL REOÚIRE	MENTS		·	الهمر إجستهد			17		(۸۰		111	/	المستشيرا
67. Cord 68 Mair 69. Elec 70. Elec	s shall not itain 30" cl trical main trical applia	be affixe earance and sub- inces, fix	d to or extent fronting and panels shall stures and ea	nded throug around elec be labeled juipment sh	h walls, cei ctrical contro as to area s all be listed	u of perman lings floors of panels. erved and no and approved oil, dirt an	or unde 24 6 2 ot taped ed for th	r doors, n	or subject ition. use:	t to phys	sical dam	age of 11) ==		
_ 74. Disc		of liquid			v 110°F for	cleaning pu	rposes.	42	anichendikkin a		K		<u> </u>		_ <u> 1. </u>
75. No s 76. Disp 77. Disp 78. Pum 79. Eme Swit 80. Devi 81. Whe	torage of of ensing class enser nozzi ps shall be rgency shu cches shall ces capable re flammab	lass 1A s I and I es shall I located t-off swi- be design e of ignit	liquids in bas I liquids by so not extend we not less than tch required nated "Emerg ing flammab s are present	sements: suction pur vithin 5' of a n 10' from a on exterior gency Pump le vapors; t, devices s	p only and any building my building of building o Shut-Off". such as effectively	properly grou opening, and on islan within 75 bu	unded nds or pi ut not cl or heatin	loser than ng applian lers are no	15' from ices, stia ot permit	اl be inst ted: ا				- 1 - 2 - 3 - 3 - 3	
(85) To o	perate a re	pair gara			EO PERMIT	A STATE OF THE PARTY OF THE PAR	مستلللة	شدنه فریدارلیار سرسیسسسس میس	Wall Brown					. — <u>—</u>	
86. \ To d	o spray fin tore in exc	ishing us ess of 5	ing flammab gallons of fla	ımmable liq	uids inside d	or 10 gallons	s outsid	e / 2	522	5,5		of the second	1/_		T.
88. To s	tore in exc welding or	ess of 25 cutting t	gallons of corch operation	combustible ons.	tiquids insid	de or 60 gall	ons out	side.		1.25	1 /.				
93 To h	ave an I Pi	} tank√in	able liquids excess of 1	20 water oa	allons '	S gallone lig	id or 11	500 cu #	/03c 5	c i chil	اندای در ایگو د	1.1			

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ZND FLOOR

TRASH BHOUTE SPRINKLE Colles NECOS SIGNS.

HOLES IN CRILING @ CARPET AREA-FURNISHINGS AREA

Furniture

Not sweether area in

PERMIT

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This Permit expires when change of ownership, business name, or conditions outlined herein occur. This Permit shall be posted, visible and made available upon request by the Fire Prevention Inspector. This Permit may be revoked at any time for due cause in violation of Uniform Fire Code.

Address of Project9000 Northgate Mal	1
Project/Business NameSears	
Type of Permit UFC: Mall - Auto	Permit No. FPB 90-140
Contractors Name	
Address	<u></u>
City, State, Zip	
Issued by: Usli rordquist	Date 914/90
Conditions: Shall comply with avhile 35	Sec. 35,104(c) of the
Application Complete Incomplete*	
*	
Code Z Z Z Z	
Date 7/6 7	
Initial Gr - 7	- - - - - -
Code	
Initial	
Code	
Date Date	
Initial	
Lach block represents ¼ hour Codes: í - Plan Review, 2 - Fiel	d Inspection, 3 - Cancellation, 4 - Utne
UNIFORM FIRE CODE PERMITS	
Type of Inspection By:	DATE:
Type of Inspection By:	DATE:
	DATE:
	Date:
comments: Inspection complete.	

SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

Address of Project	Nerrigarie lune	
Project/Business Name	Pensylver & Co.	
Business Phone No. 472		
Contractor's Name		•
Address		
Phone No.		
State Contractors License #	Expiration	
San Rafael Business License #	C/2/2/ Expiration	1991
A time keeping form will be keepfor the actual time spent on y charge. The fee will be collete mailed to you. Your project all fees are paid. The fees overdue 30 days later, at which be charged. In addition to no other legal remedies for unpaiservices, you will be invoiced.	pt to track time spent on your projour project to the nearest 1/4 hours ected at the completion of your properties. Permit will not receive final Fire are due and payable upon receipt of time a 1/2 hour late fee and 1 1/2 tissuing final approval, the Fire I daccounts. On projects that accumulating each month that the balance	ect. You will be charged a, with a minimum one hour ject, and an invoice will Department approval until of the invoice and become 27 per month interest will Department will pursue all clate more than 3 hours in exceeds 3 hours.
fees will be calculated, agree final acceptance of my project authorized to encumber expense	nt regarding fees for this project, to pay such fees and understand t Further, under penalty of perjury s on behalf of the firm listed abov	hat they are due prior to , I declare that I am duly re.
X X	Ushe Ta	29/90
Signature	USuc. S CMi	Name Date
		· · · · · · · · · · · · · · · · · · ·
,		
UFC PERMITS:		
Aircraft refueling vehicles	Flammable or combustible liquid pipeline	Nitrate film
Aircraft repair hanger	operation and excavation	Oil and natural gas wells
Automobils wrecking yard	Flammable or combustible liquids and tanks	Open burning
Bonfires or rubbish fires	Fruit ripening	Open-flame devices in marinas
Bowling pin or alley refinishing	Fumigation or thermal insecticidal fogging Garages	Organic coatings
Burning in public place	Hazardous materials	Ovens, industrial baking or drying
Candles and open flames in assembly areas	Haz Mat site characterization/	Parade floats
Cellulose nitrate storage	Investigation report	Places of assembly
Combustible fiber storage	Haz Mat sits remediation report	Radioactive materials
Compressed gases, flammable	Highly toxic pesticides	Refrigeration equipment
Cryogens	High-piled combustible stock Junk yards	Spraying or dipping Tank vehicles
Dry cleaning plants	Liquefied petroleum gases	Tents and air-supported structures
Dust-producing operations	Lumber yards	Tire recapping
Excavations near flammable or combustible liquid pipelines	Magnesium working	Waste material handling plant
Explosives or blasting agents	X Mall, covered Vehicle	Welding and cutting operations
_	Monitoring well installation	
	Monitoring well destruction	•
PLAN REVIEWS:		
Automatic Sprinkler Systems, # of hea		
Automatic Fixed Fire Extinguishing Sy		
Dry Chemical, # of Nozzles		·
Halon, # of Nozzles Other, explain		
Fire Alarm System		
Automatic Fire Detection System, # o:	detectors	
	tanks, tank capacity	
Above Ground Tank Removal, # of tanks		
	tanks, tank capacity	
	, tank capacity	
	s, f of tanks, tank capacity	
Underground Tank/Line Performance Ter	et .	
Underground Tank Soils/Water Analytic	cal Report	
Other, explain		

1

PERMIT

This Permit has been issued to the following, pursuant to the conditions stipulated herein and in conformance with Uniform Fire Code, state and local ordinances.

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Address of Project	9000_Nor	thgate Mall	
Project/Business Na			
			No. FPB 89-156
Contractors Name _			
			No
			8-7-89
Conditions:			
Application			Date
*			
=======================================	=======================================		
Code M/14-			
Date Initial		╂╂╂┪	┠╼╂╌╂╌╂┈┫
Code	 	1 1 1 1 1 1	
Date		1 1 1 1 1 1	
Initial			
Code			
Date			
Initial	<u> </u>		
Each block represents ½ hour	Codes: 1 - Plan R	eview, 2 - Field înspect	ion, 3 - Cancellation, 4 - Uther
	<u>UNIFORM FIRE</u>	CODE PERMITS	
	•	,	
	_ Type of Inspection		DATE:
	_ Type of Inspection	By:	DATE:
	_ Type of Inspection	By:	DATE:
****	TYPE OF INSPECTION		DATE:
COMMENTO			

PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

Address of Project	NORTHGATIZ MALC	
Project/Business Name	25 Pormer & Co	
Contractor's Name		
Address		···
City, State, Zip		
Phone No.		2/2/20
State Contractors License #	01212 Expiration /	<u>2/31/89</u>
San Rafael Business License #	Expiration	·
be charged for the actual time a minimum one hour charge. The project, and an invoice will be final Fire Department approval upon receipt of the invoice and issuing final approval, the Fifor unpaid accounts.	pt to track time spent on your propert on your project to the near effect for the collected at the collected	prest 4 hour, with impletion of your ermit will not receive ees are due and payable in addition to not ner legal remedies
how the fees will be calculate are due prior to final accepta	t regarding fees for this project d, agree to pay such fees and und nce of my project. Further, und rized to encumber expenses on be	derstand that they er penalty of perjury,
	Dispung	36.65
X Signature	Title Print Name	Date 189
Signature	The Mane	7
UFC Permits:	Plana and a	Oil and matural gas wells
Aircraft refueling vehicles	Fireworks Flammable or combustible liquid pipeline	Open burning
Aircraft repair hanger	operation and excavation	Open-flame devices in marinas Planes
Automobile wrecking yard	Flammable or combustible liquids and tanks Dispund 1-151812 Buch 112	Organic coatings after Close
Bonfires or rubbish fires	Fruit ripening	Ovens, industrial baking or drying 7/27
Bowling pin or alley refinishing	Fumigation or thermal insecticidal fogging	Parade fluats (Au
Burning in public place	Garages	Places of assembly
Candles and open flames in assembly areas	Hazardous materials	Radioactive materials
Cellulose mitrate storage	Highly toxic pesticides	Retrigeration equipment
Combustible fiber storage	High-piled combustible stock	Spraying or dipping
Compressed gases, flammable	Junk yards	Tank vehicles
Cryogens	Liquefied petroleum gases	Tents and air-supported structures
Dry cleaning plants	Lumber yards	
Dust-producing operations	Magnesium working	Tire recapping
Excavations near flammable or combustible liquid pipelines	Mall, covered	Waste material handling plant
Explosives or blasting agents	Nitrate film	Welding and cutting operations
Plan Reviews:		
Automatic Sprinkler Systems, # of heads _		
Automatic Fixed Fire Extinguishing System	s (specify)	
Dry Chemical, # of Nozzles		•
Halon, # of Nozzles		• •
Other, explain		
Fire Alarm System		
Automatic Fire Detection System, # of de	ectors	
Above Ground Tank Installation, # of tank	ks, tank capacity	
Above Ground Tank Removal, # of tanks	, tank capacity	
	s, tank capacity	
Underground Tank Removal, # of tanks	, tank capacity	
Underground Tank Abandonment in Place, #	of tanks, tank capacity	
Ather explain		

San Rafael Fire Department 485-3308 Inspection Report Department Store PAMISC. Ser Business Name . Refer to FPB 3rd Insp. At the time of the inspection those items marked in columns 1, 2 or 3 were found to be in violation and shall be corrected immediately. Re-inspections occur in approximate two week'intervals. Items marked under NA or OK were either not applicable or were in compliance at the time of the inspection. 8-2: General Businesses — office, wholesale and retail stores, factories, workshops using materials not highly flammable or combustible, drinking/dining establishments, school rooms for those beyond the 12th grade, for less than 50 people, woodworking and cabinet shops which are owner operated or where not more than one employee is operating one piece of equipment or appliance. **GENERAL REQUIREMENTS AND SPECIAL HAZARDS** Notice NA 0K #3 Install approved address identification. Individual work station trash cans shall be metal or approved equal. Trash cans used for collection shall be metal or approved equal with a lid. Remove accumulation of waste material on exterior of building. Maintain 30" clearance of combustibles to heat producing appliances 6. Maintain all area or occupancy separation walls and draft stops.

Maintain in operable condition and remove all obstructions to fire/smoke doors and fire dampers Keys needed for access to all portions of building are current and in Knox-Box EXITING REQUIREMENTS, BASED ON AN OCCUPANT LOAD FACTOR OF ONE PERSON FOR EVERY: 100 square feet - offices 30 square feet — retail shops (ground floor)
50 square feet — retail shops (upper floors), library locker areas, etc.
20 square feet — college classrooms
15 square feet — conference rooms Two exits required if occupant load exceeds 50 (except offices). Two exits required if occupant load exceeds 30 (offices). Two exits required from second floor if occupant load exceeds 10 18. 18 21. Two exits required from all basements and above the second floor. 23 24 25 27 Two exits required from Mezzanines larger than 2000 square feet or 60 feet in any direction: When two exits are required they must be separated by ½ of the diagonal distance of the room Three exits required if occupant load exceeds 500, four if over 1000.

Maximum distance to an exit is 150' (unsprinklered buildings) or 200' (sprinklered buildings)? 25 27. Dead end corridors may not exceed 20'. If occupant load is over 50, doors must swing out; if over 100 they must only swing out Exit doors shall not have dead bolts or other similar devices.

Exit doors and exit paths shall not be obstructed.

No storage beneath enclosed stairs unless protected by 1 hr. construction.

Corridors serving 30 or more shall be 1 hr. rated with 20 minute self closing doors. 31 35. If occupant load exceeds 100, all exits except the main entrance shall have exit signs. If occupant load exceeds 300 the exit signs shall be illuminated on a separate circuit.

All exit paths shall be lighted at all time that the building is occupied. If separate circuits are required for the exit signs the exit lighting must also be on separate circuits. 40 41. 95 Maximum occupant load sign is required if less than 50 people. (Restaurants; Lounges) 95 44. Interior stairways to be rated 1 hr. for 3 or 4 stories, 2 hr. for higher buildings; FIRE PROTECTION EQUIPMENT One 2A10BC fire extinguisher shall be provided for every 6,000 sq. ft. with 75' maximum travel distance.

One additional 40BC extinguisher shall be provided in all kitchens.

Extinguishers shall be easily accessible, wall mounted at a height not less than 4" of more than 5' from floor.

Extinguishers shall be serviced annually, after use, and when gauge indicates recharge.

Fire protection or detection systems shall be extended, altered or repaired as necessary to maintain protection. 49 50 56 Fire Department connection caps in place and work freely.

Exterior exposed portions of systems that are not brass or galvanized shall be painted with rust preventative paint. Storage shall be maintained at least 18" below sprinkler heads.

Storage shall be maintained at least 24" below ceiling in unsprinklered buildings 61. Maintain systems as follows: Inspected/Serviced Semi-Annually System Type Standpipes Every 5 years Sprinkler Quarterly Semi-annually & after activation Pre-engineered/Fixed Semi-annually All commercial cooking shall have a dry chemical system protecting all cooking surfaces Hood and duct ventilation systems shall be maintained free of grease 62 **ELECTRICAL REQUIREMENTS** Discontinue use of extension cords and cube adapters in lieu of permanent wiring. Cords shall not be affixed to or extended through walls, ceilings, floors or under doors, nor subject to physical damage Maintain 30" clearance fronting and around electrical control panels. 67 Electrical main and sub-panels shall be labeled as to area served and not taped "on" position FLAMMABLE LIQUIDS Discontinue use of liquids with flash point below 110°F for cleaning purposes. No storage of class 1A liquids in basements. PERMITS ARE REQUIRED OR COMPLIANCE WITH POSTED PERMIT.

87. To store in excess of 5 gallons of flammable liquds inside or 10 gallons outside.

88. \text{To-store in excess of 25 gallons of combustible liquids inside or 60 gallons outside.} For welding or cutting torch operations.
For above ground flammable liquids storage tanks. 89 90 Lumber yards in excess of 100,000 board feet of lumber. 91 To operate refrigeration equipment. 92 To have an LPG tank in excess of 120 water gallons.
To store hazardous materials in excess of 100 lbs. solid, 55 gallons liquid or 200 cu. ft. gas.

3/88

PERMIT

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Address of Project9000 Northgate Mall
Project/Business Name Sears
Type of Permit Tank Installation Permit No. FPB 89-048
Contractors Name Petrolane Gas
Address 2440 Whipple Road
City, State, Zip <u>Hayward, CA 94544</u> Phone No. <u>487-1733</u>
Issued by: Date
Conditions: To compay with Kine Preu Std. 306.
Application Incomplete* - Date 3.4.85
Complete Date 3.4.89
*
Code \$ 2 2 2 Date 3/2
Initial UK
Code Date
Initial Initia Initial Initial Initial Initial Initial Initial Initial Initial
Code
Initia?
Each block represents & hour Codes: 1 - Plan Review, 2 - Field Inspection, 3 - Cancellation, 4 - Other
FLAMMABLE LIQUIDS TANK INSTALLATION
PLANS REVIEWED By: Date:
TANKS INSPECTED BY: DATE: U.L. #:
TANK CAPACITY
PRESSURE TESTED By: Date:
PIPING INSPECTED BY: DATE:
PIPING TESTED By: Date:
PERMIT APPLICATION YES: No: DATE ISSUED: By:
MARIN COUNTY ENVIRONMENTAL HEALTH PERMIT ISSUED YES: No:
OTHER INSPECTIONS:
BY: DATE:
COMMENTS:

89-048

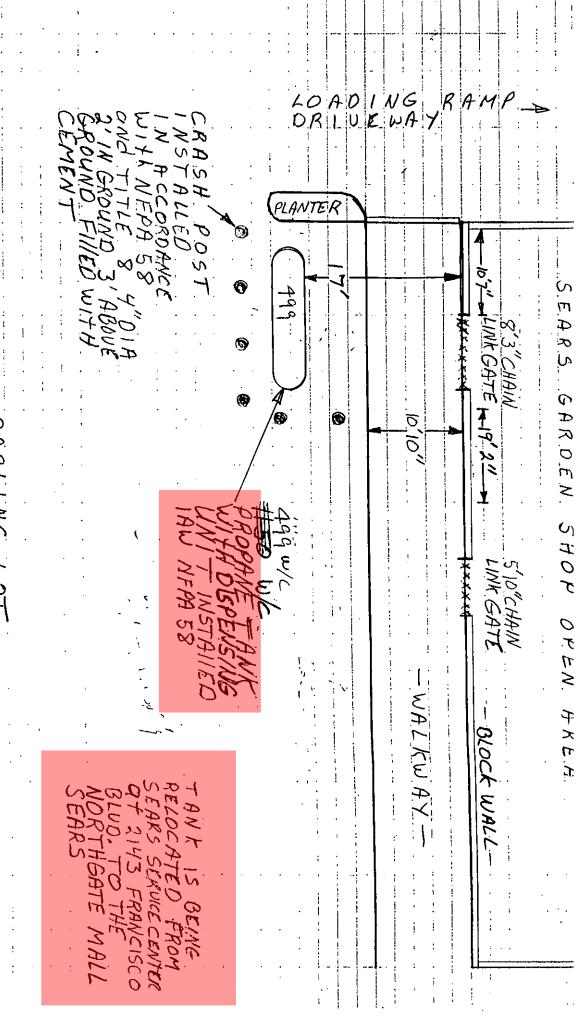
SAN RAFAEL FIRE DEPARTMENT

PERMIT APPLICATION

" THIS IS NOT YOUR PERMIT

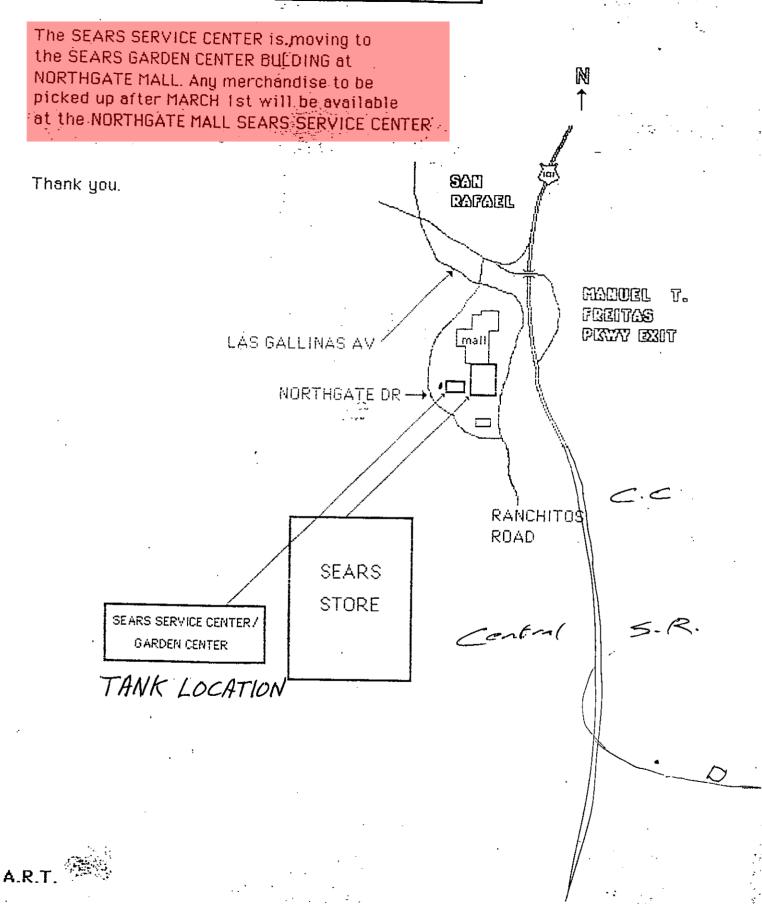
Address of Project Northan	to shopping mall	
Project/Business Name Seac	<u> </u>	
Contractor's Name Petrolane	<u>Cas</u>	
	eple Rd.	· · · · · · · · · · · · · · · · · · ·
City, State, Zip Hayward,	Calif. 94544	
Phone No. 415-487-1	733	•
State Contractors License #	135070 Expiration 2	x8-90 <u></u>
San Rafael Business License # _	Expiration	
be charged for the actual time a minimum one hour charge. The project, and an invoice will be final Fire Department approval upon receipt of the invoice and	spent on your project to the new fee will be collected at the collected at the collected to you. Your project outil all fees are paid. The discome overdue 30 days later. The Department will pursue all or	earest # hour, with completion of your Permit will not receive fees are due and payable In addition to not
how the fees will be calculated are due prior to final acceptar	t regarding fees for this project, agree to pay such fees and unce of my project. Further, uncited to encumber expenses on be	nderstand that they der penalty of perjury,
x W Callin S. Signature	Title Mark Conkl'	2-3-89 Date
UFC Permits:		The second secon
Aircraft refueling vehicles	Fireworks	Oil and natural gas wells
Aircraft repair hanger	Flammable or combustible liquid pipeline operation and excavation	Open burning ·
Automobile wrecking yard	Flammable or combustible liquids and tanks	Open-flame devices in marinas
Bonfires or rubbish fires	Fruit ripening	Organic coatings
Bowling pin or alley refinishing	Fumigation or thermal insecticidal fogging	Ovens, industrial baking or drying
Burning in public place	Garages	Parade floats
Candles and open flames in assembly areas	Hazardous materials	Places of assembly
Cellulose mitrate storage	Highly toxic pesticides	Radioactive materials
• Combustible fiber storage	-	Refrigeration equipment
Compressed gases, flammable	High-piled combustible stock	Spraying or dipping
Cryogens	Junk yards	Tank vehicles
Dry cleaning plants	Liquefied petroleum gases	Tents and air-supported structures
Dust-producing operations	Lumber yards .	Tire recapping
Excavations near flammable or combustible	Magnesium working	Waste material handling plant
liquid pipelines	Mall, covered	Welding and cutting operations
Explosives or blasting agents	Nitrate film	
Plan Reviews:		
Automatic Sprinkler Systems, # of heads	·	
Automatic Fixed Fire Extinguishing Systems	(specify)	
Dry Chemical, # of Nozzles		
Halon, # of Nozzles	·	
Other, explain		,
fire Alarm System		
Automatic Fire Detection System, # of detec	tors	_
	tank capacity 1150 gal.	
Above Ground Tank Removal, # of tanks	, tank capacity	
Underground Tank Installation, # of tanks _	, tank capacity	
Underground Tank Removal, # of tanks	, tank capacity	
Underground Tank Abandonment in Place, # of	tanks, tank capacity	
Other, explain		

Mail original to San Rafael Fire Department, retain copy for your records.



PARKING LOT

WE ARE MOVING



PERMIT

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Address of Projec	t <u>9000</u>	Nort	hgate	e Ma	<u> 11</u>	 , ,,,	·									
Project/Business	Name S<u>e</u>8	ars Re	oebuc	k				-								
Type of Permit Fire Alarm System Permit No. FPB 88-0169																
Contractors Name	1.150		-												,	
Address																
City, State, Zip												Ą	7 2-	-367	70	
ssued by:	leum	G) Ll	<u> </u>			. 1	Dat	: e /	1/0	27	1/2	29			
Conditions:												===	==	===	===:	
Application Complete																
																•
	======		====	===	===	==	==:	===	==:	===	==	===	==	===	===	====
Code Date A7 Initial Code Initial Code Date Initial Code Date Initial	2 2 3 	es: 1 -	- Plan (Revie	w, 2	-	Fiel	d I	nspe	ctio	on,	3 - 0	Canc	ella	tion,	4 - 0
		<u>(</u>	2 N3HTC	<u>YSTE!</u>	<u>4S</u>											
PLANS REVIEWED	Ву:							D	ATE:	_						
SYSTEM INSPECTION	Вү: _							D	ATE:	-		 .		·		
SYSTEM FUNCTIONAL TEST	Ву:														_	
ALARM INSPECTION BY: DATE:							/		14	~	_					
	RA: —	1	O		ALARM TEST BY: UK DATE: 1/27/89											
· ··-	BY: <u>-</u>										10	4	-0	<i>/</i>		
UL CERTIFICATE ISSUED	BY: <u>-</u>	No	·	:	DATE	: _			_ i		/a 					
UL CERTIFICATE ISSUED	By:	No			DATE	:			1	⊰γ:´	<u></u>					

PERMIT APPLICATION

88-0169

THIS IS NOT YOUR PERMIT

Address of Project 90	00 Northgate Mall San	Rafael Cal. 94903
Project/Business Name	Sears Roebuck	
Contractor's Name	Same	
AddressSame		
City, State, Zip Sam		
Phone No. 415-47		
"	Expirat	ion
San Rafael Business License	#Expirat	ion ·
be charged for the actual to a minimum one hour charge. project, and an invoice wil	kept to track time spent of time spent on your project to the fee will be collected to you. Your poval until all fees are paid	o the nearest & hour, with at the completion of your roject Permit will not receive
	nated and that they are due	
Afrila More	garmer Mark	NUCKASS 9/20/88
Signature	Title Print	Name Daté
UFC Permits:		
Aircraft refueling vehicles	Ffreworks	till and natural gas wells
Aircraft repair hanger	Flammable or combustible liquid pipeline	Open burning
Automobile wrecking yard	operation and excavation	Open-flame devices in marinas
Bonfires or rubbish fires	Flammable or combustible liquids and tanks	Deganic coatings
Bowling pin or alley refinishing	Fruit ripening	Ovens, industrial baking or drying
Burning in public place	Fundyntion or thermal insecticidal togging	Parade floats
Candles and open flames in assembly areas	Garages	Places of assembly
Cellulose nitrate storage	Hazardous materials	Radioactive materials
· Combustible fiber storage	Highly toxic pesticides	Retrigeration equipment
Compressed gases, flammable	High-piled combust(ble stock	Spraying or dipping
Cryogens	Junk yards	Tank vehicles
Dry cleaning plants	Liquefied petroleum gases	fents and air-supported structures
Dust-producing operations	Lomber yards	Tire recapping
Excavations near flammable or combustible	Magneston working	Waste material handling plant
liquid pipelines	Mail, covered	Welding and cutting operations
Explosives or blasting agents	Nitrate film	Activity and carring appropriate
• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •
Plan Reviews:		
Automatic Sprinkler Systems. # of heads	··· · · · · · · · · · · · · · · · · ·	Tarra
Automatic Fixed Fire Extinguishing Systems (specify)	ricorpiete
Dry Chemical, # of Mozzles		no
Halon, # of Nozzles	:	Pars
Other, explain		Theorpiete no Pars
X Fire Alarm System		FC
Automatic Fire Detection System, # of detect		
Above Ground Tank Installation, # of tanks		
Above Ground Tank Removal, # of tanks	, tank copacity	
Underground Tank Installation, # of tanks	tank capacity	
Underground lank Removal, # of tanks	, Land Capacity	
Underground Tank Abandonment in Place, # of t	anks, tank Capacity	



VIKING FIRE PROTECTION COMPANY
1180 Holm Rd. #C
Petaluma, CA 94952
(707) 664-1555

Inspection Contract	No.

AUTOMATIC FIRE SPRINKLER SYSTEM

REPORT TO: Sears Dept. Store	DATE: June 19, 1987
	BUILDING: Main Store
CITY & STATE:San Rafael, CA 94903	Automotive and Garden

 1.	GENERAL	YES	N/A	NO
	Is the building occupied	Х		
	Are all systems in service	X		
•	Does building appear to be completely sprinklered	Х		
	Is all stock or storage a minimum of 18" below sprinklers			Х
	Are all sprinkler system main control valves open	Х		
	Are all other valves in proper operating position			
	Do all valves have proper identification signs			
, 1.	Are all valves in satisfactory condition			
	Are control valves supervised			
	Are control valves sealed, If Yes, Seal No			
	Are fire department connections and fire hose threads in satisfactory condition, couplings			
•	Are tire department connections and tire nose threads in satisfactory condition, couplings	Х	1	
	free, caps in place, check valves and gaskets tight	X	 	1
	Was flush free of debris	1	† · · · · · · · · · · · · · · · · · · ·	
n.	Are fire department connections visible and accessible	X	1	
١.	Are tire department connections visible and accessible		1	
١.	WET SYSTEMS		<u> </u>	
l.	Have antifreeze systems been tested and left in satisfactory condition		<u> </u>	
-).	Does alarm valve and retard chamber appear to be in satisfactory condition from visual	x		1
	exterior inspection		<u> </u>	<u> </u>
c.	Does waterflow indicator appear to be in satisfactory condition from visual exterior inspection	X	 	
3.	DRY SYSTEMS			
 a.	Is dry nine valve in service		X	
).	Air Pressure P.S.L		Х	
	Is dry pipe valve in service		Х	1
j.	Were low points drained during this inspection	.	X	
2. 2.	Are quick opening devices operational		Х	<u> </u>
:	Have dry pipe valves been trip tested Seconds to operate		Х	<u> </u>
g.	Do dry pipe valves appear to be adequately protected from freezing		Х	↓
			X	-
4.	SPECIAL SYSTEMS (Describe)			
 a.	Were valves trip tested and results satisfactory		X	
a. b.	Were all heat responsive systems tested and results satisfactory		X	
о. С.	Were supervisory features tested and results satisfactory		X	
	ALCIC SUPPLINGS ICHICATOR FOREM BING IONNING ARMINGARILY LITTLIFFE CONTINUES IN THE CONTINUES OF THE CONTINU			1



5.		ALARMS			,	. YE	S N/A	
a. b. c. d. e.	Water motor and gong test satisfactory Electric flow indicator alarm test satisfactor Were alarms tested through inspectors tes Tamper switch alarm test satisfactory Are any alarms connected to central statio	ry 40 t valve	Seconds	to operands to opera	te erate .	X X X		X
Б.	SPRII	NKLERS - PIP	ING			. ,		<u> </u>
a. b. c. d.	Do all sprinklers appear to be in satisfacto or paint, and installed in proper position Are sprinklers less than 50 years old Are extra sprinklers and wrenches readily a Does hand hose appear to be in satisfacto	availablery condition		,		X		
7.		FIRE PUMPS	•		<u> </u>		- X	
a. b. c.	Do fire pumps appear to be in satisfactory Do gravity tanks or reservoirs appear to be Do pressure tanks appear to be in satisfac	condition. in satisfacto tory conditio	ry condition				X	
8. 9. 10.	Wet Systems: Number 8 Dry Systems: Number 1 Make and Model	Make and Type Vi	Model Model king 6"	Model E	3			
11.	CONTROL VALVES NO. TY	OPEN PE YES NO		D SIC	NO NO	C	ONDITIO	NC
Tan Pun Sec Sys	Conn. Control Valve	te. X.		x		Good	1	
12.	Water Flow Test Yes No (If	no, wnyi)				,		
	TEST PIPE LOCATION	SIZE TEST PIPE	PRESSURE BEFORE	FLC PRESS		PRESSURI AFTER	1	RATIO
<u>C</u>	n Risers	1½"	125	12!	3	135	2 se	conds
Wa Gai	ter Pressure: City 125 P.S.I. Tage Accuracy Within +1-1 P.S.I. Of C	ink <u>N/A</u> Certified Test	P.S.I. Gauge.	Pump N,	/A	P.S.I.	. l.	

Explain "No" answers in Item 13.

N/A Not Applicable



Inspection	Contract No.

13 .	EXPLANATION OF "NO" ANS	SWERS.					•
	Water motor gong inc	automotive n	eeds rep	air. Si	x heads	under rul	l-up
	doors need to be rel	ocated in an	tomotive.	. In Por	rtraits	Departmen	t. one (1)
	head may be needed u towels are stored, s	torage should	d be low	ered 18"	helow:	sprinklers	ys where
	towers are stored, s	torage shour	.u be row	ered 10	V V		
					· ~		
	·	. ``	•		<i>;</i> ;	•	
14.	ADJUSTMENTS OR CORREC	TIONS MADĘ.	, , ,	•		· ·	
				/	*		
	All repairs were mad	e of the apo	ove "no"	answers.			
	1 100			-	· · · · · · · · · · · · · · · · · · ·	,	
					· · · · · · · · · · · · · · · · · · ·	76	
	,				*	•	
15.	DESIRABLE IMPROVEMENTS	5.	,·		•		
	Vic couplings on 4"	FDC are lead	king and	should b	e repla	ced in mai	n store.
	VIC COUPIINGS ON 4	100 010 100.					
						·	
16.	. COMMENTS		13	•		· 1	
	Fire Department 485	-3300	•				
	ADT 997-7800						
	System No. 1-82-22 M	Main store					
	Automotive 1-81-46	Customer	PO R92819	90			
							
		•				* .	
17	. Inspection label affixed to sp	orinkler system ris	er. 🛛 Yes 🔔	June 29	<u> </u>	19 <u>87</u>	
• •			□ No:		· · · · · · · · · · · · · · · · · · ·		
	e information provided by this re		a tha inchacti	on sonicos o	f Viking Fig	Protection Co	mnany (VEPC)
I D	e information provided by this re the date and time set forth on t	eport is based upoi his renort. No inso	n the inspecti ection or reco	on services o	n regarding	the design crit	eria for the fire
Shi	rinkler system has been made. N	lo statement of fac	t. promise. re	presentation	, affirmatio	n or other indic	ation has been
ma	ide with respect to the inspected	fire protection sys	stem; or any p	art thereof, o	ther than w	hich appears in	the report. No
wa	rranties either expressed or imp	lied, shall attach to	this report; it	: being under	stood that	VFPC shall not b	e liable for the
qu	ality and performance of the fi	re protection syste	em should it	prove defec	tive after ti	ne inspection.	
				0.404504		4.*	
		VIKING FIRE PRO	STECTION C	.QMPANT			
	•	Contractor Licens	se No. C16 -	187293			
		State Fire Marsha					
	•		•	,	4	•	
	• •					D-1-	
	• •	Inspector	•	•	,	Date	

FIELD INSPECTION CHECKLIST SPRINKLER SYSTEMS

address 9000 North	bate mall - Sears.	
UNDERGROUND INSPECTION By:		Date:
		DATE:
4		DATE:
	No: DATE ISSUED:	By:
	No: Date Issued:	
	<u>OTHER SYSTEMS</u>	
SYSTEM INSPECTION By:		DATE:
		Date:
	,	
PERMIT APPLICATION YES:	No: DATE ISSUED:	By:
	FLAMMABLE LIQUIDS TANKS	
TANKS INSPECTED BY:		DATE: U.L. #:
		U.L. #:
PRESSURE TESTED BY:		DATE:
PIPING INSPECTED BY:		DATE:
		DATE:
PLANS REVIEWED By:		DATE:
PERMIT APPLICATION YES: _	No Date Issued:	BY:
FLAMM	ABLE LIQUID TANK REMOVAL/ABANDON	IN PLACE
TANK PRESSURE TEST - COMPANY NAME		IN I ENCE
WITNESSED BY:		DATE:
PIPING DISCONNECTED YES	No IANK CAP	
TANK STEAM CLEANED OR TRIDLE	TANK UL	# unable to locate
TANK STEAM CLEANED OR TRIPLE RINSED WITH PRESSURE H20, CHEMICAL OR TSP YES	No. 10	i la vilam
TANK EDGED OF HISTORY	No DATE: _	1/26/87
METHOD USED		1/26/87
HYDRO CARBON READING	0% 02 READI	2 15 03
*********	O% 02 READI	NG ? NO O ² meter
TANK HAULER HAH SNIPPING	CO ID OP FOR # U	WH # 800 849
ADDRESS/DESTINATION _ China B		IWN - XUU K41
WASTE HAULER Seavs		AD 000 313 445
ADDRESS/DESTINATION	ID ON LEA # _C	210 200 313 442
	X No DATE ISSU	FD 1/26/87
BY	MARIN COUNTY F.H. PERMIT #	

FP-1 (Revised 2/80)

Date: 1/22/87 Address/Location: 9000 Northeate Mall Business Owner(s): ____Seans Address: 9005. FREMONT AVE Alhambra (City) (State) (Phone) Contractor (When applicable): Balch Petrolium/KE CURTIS CONSTURE Newbury PARK, CA Address: (City) (Phone) (Street) State License No. 396575B Type: A City Business Lic. No.: NA-U. F. C. Section Type of Permit Application of Flammable Finishes 45.102 47.102 Fumigation and Thermal Insecticidal Fogging 74.103 Compressed Gases ____ Cryogenic Fluids 75.103 77.104 Explosives and Blasting Agents 78.102 ___ Fireworks Flammable Liquids (Storage/Handling) 79.103 80.102 Hazardous Chemicals 81.103 High-Piled Combustible Stock 82.103 Liquefied Petroleum Gases X Other Underground Tank Removal 791103 Description of operations/Location of storage: 512e. + Number of TANK 500 gallon - Waste Hotor Oil Tanks: To comply w/ FiD, Std No. 310 FOR FIRE DEPARTMENT USE Plans submitted: Approved by: _____ Date: Date: Field Inspection: By: Fcraig Date: 1/26/87 By: ____ Date: ___ Date: 1/26/87 Final approval by: 3 ment MCille Permit fee: \$\\\\ 30.00 \text{ Date paid: } \(\frac{1/22}{2} \) MPermit number: Remarks:

CITY OF SAN RAFAEL

FIRE PREVENTION BUREAU

Correction Notice

This job site has been inspected and has been found to be in violation of the applicable laws and ordinances of the City of San Rafael or the State of California. You are hereby notified that final approval will not be given (unless conditionally signed for below) until all of the violations are corrected and said corrections have been witnessed and initialed by the Fire Department. When the corrections have been made, call 485-3308 for a re-inspec-

tion: This notice has been placed conspicuously near the 'Building-Department-sign off-card-for the job and, pursuant to Section 3.104 of the Uniform Fire Code, it shall not be

removed or altered except by the Fire Department.

9000

V(1) Mall autrances remove tobles & Brochure
stands from aisle
U(2) South porting entrance remove
table a xmas trees from exit pathwa
and stair way.
V3) maintain 5ft clear aisle. width.
to all exits.
7 day notice
OUL 129.81 7MC
Date 12.2.86 By Jours Craig Inspector. Fire Department
Fire Department
Conditional Certificate of Occupancy Approved By
cc: Fire Department

DO NOT REMOVE THIS TAG

Building Department



Fire Department November 18, 1986

MATCH LAWRENCE F. MULHYAN

COUNCIL MEMBERS DOROTHY L. BREINER GARY R. FRUGOLI RICHARD P. NAVE JERRY RUSSOM

Kents Christmas Trees 9000 Northgate Mall San Rafael, CA 94903

Subject: Fire Department Conditions and Requirements

- a) Christmas Tree Lots
- b) Flame Treating Trees
- c) Tents and Awnings

This notice is to inform you that pursuant to Title 19, California Administrative Code and Uniform Fire Code, the following conditions and requirements apply:

- 1) All Christmas lots shall comply with Fire Department Standard No.'s 114 and 114A (copies attached).
- 2) A Special Use Permit is required by the Fire Department to install or use any tent or awning in connection with Christmas Tree Lots. Permit applications may be obtained by contacting the Fire Prevention Bureau at (415)485-3308, Monday through Friday 8:30 to 5:00 PM.
- 3) An onsite inspection of the lot is required by this Department. A 24 hour advance notification call is required to schedule an inspection appointment (normal business hours).

Should you have any questions regarding this notice or the conditions outlined herein, please contact the Fire Prevention Bureau.

Sincerely,

ROBERT E. MARCUCCI Fire Chief

FORREST CRAIG

REM:FC:ss

Enclosures

cc: Building Department

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APPLICATION VOID UNLESS (USE N/A WHEN QUESTIC	N NOT APPLICABLE)
Complete promptly and return to: CITY OF SAN Room 204, 1400 FIFTH Avenue, P.O. Box 60.	RAFAEL, BUSINESS LICENSE OFFICE, CITY HALL SAN RAFAEL, CA 94915 (415) 456-1112
usiness name: Kent's Christmas	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
DDRESS OF 9000 Markage	MAIL SAN RAGIAL CA 9490.
.O.Box or Mail Address:	CHY
YPE OF BUSINESS OR PROFESSION: Christing	Tree Lat
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STATE LICENSE CONTRACTORS: TYPE OF WORK	STATE LICENSE NO.
VEHICLES OPERATING IN SAN RAFAEL	STATE LICENSE EXPIRES
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SAN RAFAEL PLANNING DEPARTMENT COMMENT SHEET

TO		DISTRIBUTION DATE: 9-9-86
	CITY MANAGER	
	REDEVELOPMENT	ITEM <u>ED86-82</u>
—	CITY ENGINEER •	ADDRESS 9000 Northeate May
	TRAFFIC ENGINEER	APPLICANT M. Snodgrass for Sears
	FIRE •	A.P. NO
	POLICE •	
	RECREATION	GENERAL PLAN Multi-use Water Bus. & Ind. Rec. Ag. Res. O.S.
	CITY ATTORNEY	ZONING CZ-NG
	M.M.W.D.	NEIGHBORHOOD Northgate
	P.G. & E.	THE TOTAL OF THE T
	P.T. & T.	SOILS CLASS 1 2 3 4 mu
<u></u>	U.S. POSTAL SERVICE SAN RAFAEL SCHOOL DIST.	DESCRIPTION Remove underground oil storage tank.
	DIXIE SCHOOL DIST.	Install above ground oil storage tanks in
\equiv	MOSQUITO ABATEMENT	containment dike.
	MARIN COUNTY PLANNING	Minima and
	MARIN COUNTY TRANSIT DISTRICT	
	CALTRANS	THE ABOVE ITEM HAS BEEN SCHEDULED FOR
	B.C.D.C.	ZONING ADMINISTRATOR ON September 24, 1986
	CORPS OF ENGINEERS	PLEASE RETURN BY <u>GODTEMBER 22, 1996</u>
	HOMEOWNERS' ASSOCIATION	PLANNING COMMISSION • ANTICIPATED SCHEDULE WILL BE DISCUSSED
	OTHER	AT NEXT DEVELOPMENT COORDINATING COMMITTEE MEETING • IF NOT
		ATTENDING, PLEASE RETURN BY
	THIS INFORMATION	AND ANY ATTACHMENT IS CIRCULATED FOR YOUR REVIEW AND COMMENT •
FNV	IRONMENTAL ASSESSMENT	Should the project require an EIR? If so, why?
•,••		Should the project require an arm in so, my
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		ject result in significant: NO NOTE IF YES, SEE
<u> </u>	1. Exposu	re of people and facilities to unstable conditions
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CITY OF SAN RAFAEL

SAN RAFAEL, CALIFORNIA

INTER-DEPARTMENTAL MEMORANDUM

DATE:

TO:

PLANNING DEPARTMENT

BUILDING DEPARTMENT

FROM:

KEITH J. SCHOENTHAL, Fire Marshal

SUBJECT:

Above Ground Flammable Liquid Tanks Existing Non-Conforming Tanks

Plan Review

Attached is a plan submittal for:

SEARS	2	
9000	NORTH GATE	MALL

This plan and project should be reviewed as an existing, non-conforming, above ground tank, not as a new or complete plan review.

I have included a copy of the Fire Prevention Standard No. 306, Sections II and III, which outlines Planning and Building Department plan submittal requirements as they were previously established.

Plan review fees will be dispursed accordingly upon receipt of your Department's respective account numbers. Please return your comments/requirements, if any, by SEPT. 4.1986

Should you have any questions regarding this project, please contact me at Ext. 3308.

By Forrest Craig Insp. KETTH J. SCHOENTHAR Fire Marshal

cc: Property File

CITY OF SAN RAFAEL FIRE DEPARTMENT

FIRE PREVENTION STANDARD NO. 306

AROVE GROUND FLAMMARLE LIQUIDS STORAGE TANKS

Printh of Schoentlad DEVELOPED BY - FIRE MARSHAL

Total & Marine.
APPROVED BY - FIRE CHIEF

DATE NOVEMBER 22, 1985

PAGE 4 OF 4

PAST EDITIONS

III. EXISTING FACILITIES THAT ARE UNDERGOING ENFORCEMENT FOR NON-COMPLIANCE BY THE FIRE DEPARTMENT SHALL COMPLY WITH THE FOLLOWING:

A. FEES.

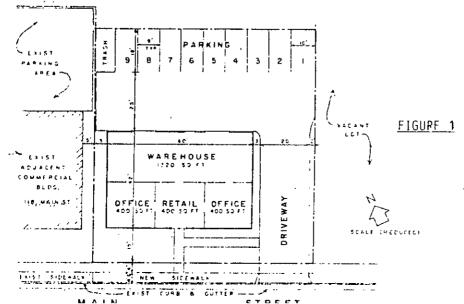
A one time plan check and permit fee of \$50.00 made payable to the fire Department is required with the application. The fire Department will disburse the money to the other Departments.

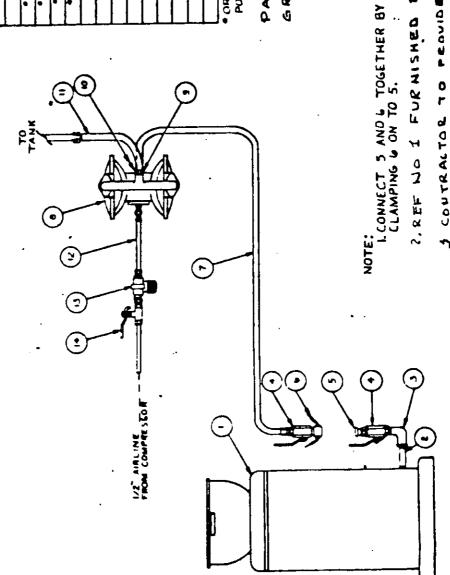
B. APPLICATIONS.

- FILL OUT AND SIGN THE PLANNING DEPARTMENT GENERAL APPLICATION FORM CHECKING THAT YOU ARE APPLYING FOR DESIGN REVIEW.
- 2. FILL OUT THE FIRE DEPARTMENT APPLICATION FORM. RETURN BOTH FORMS TO THE FIRE DEPARTMENT FOR PROCESSING.

PLANS

- 1. A SITE PLAN MUST BE SUBMITTED TO INCLUDING THE FOLLOWING INFORMATION:
 - A. BE CLEARLY DRAWN TO A MINIMUM SCALE OF 1" 20' AND INCLUDE A NORTH ARROW,
 - B. BE ACCURATELY DIMENSIONED.
 - C. Show ALL PROPERTY LINES.
 - D. INDICATE TOPOGRAPHIC CONDITIONS (GENERAL SLOPE OF LOT, CUT BANKS AND FILL SLOPES IF LOT IS NOT LEVEL).
 - E. INDICATE THE CURRENT AND PROPOSED LOCATIONS OF THE TANK.
 - F. Show existing structures, parking area(s) and vehicle circulation patterns.
 - G. SHOW RELATIONSHIP OF EDGE OF STREET PAVEMENT TO PROPERTY LINE,
 - H. SHOW SIDEWALK, CURB AND/OR GUTTER IF EXISTING.
 - A WRITTEN DESCRIPTION OF THE EXISTING AESTHETIC VALUES OF THE BUILDINGS (THE DIKE OR VAULT WILL BE REQUIRED TO MEET THE AESTHETIC CONCERNS OF THE PLANNING DEPARTMENT).
 - J. AN EXAMPLE SITE PLAN IS SHOWN AS FIGURE 1.
- 2. An architectural/structural drawing of the tank dike or vault must be submitted in accordance with Section I.C.





OTE	•	-	-	-	7	-	-	1		_		1	1	1	-
NO. PART NO. DICKRIPTION OTY	226 - 377 WASTE OIL REC.	OPTIONAL	NIPPLE	STREET FLBOW	BALL VALVE	CAMLICK K, M. 3A	CAMI OCK, FM. 34	71,9 1 WE 12508 1918-551	DIAPH, PUMP	BUSHING	SWIVEL	HOSE, I'X 20TO	AIR HOSE	AIR REG. & GUA.	107 - 142 BALL VALVE
PART NO.	226-377	125.034	100 - 627	100-549	IC8-537	+15-90	108-513 KAMI	188-816	218-940	158-586	10-025	700-022	195-902	202-156	791-101
MLF NO.	-	_	2.	6,3	*	• 5	•	7	•	•	ō	=	15	13	4.

* CRUER THESE FOR ADDITIONAL PORTABLE DRAINS.

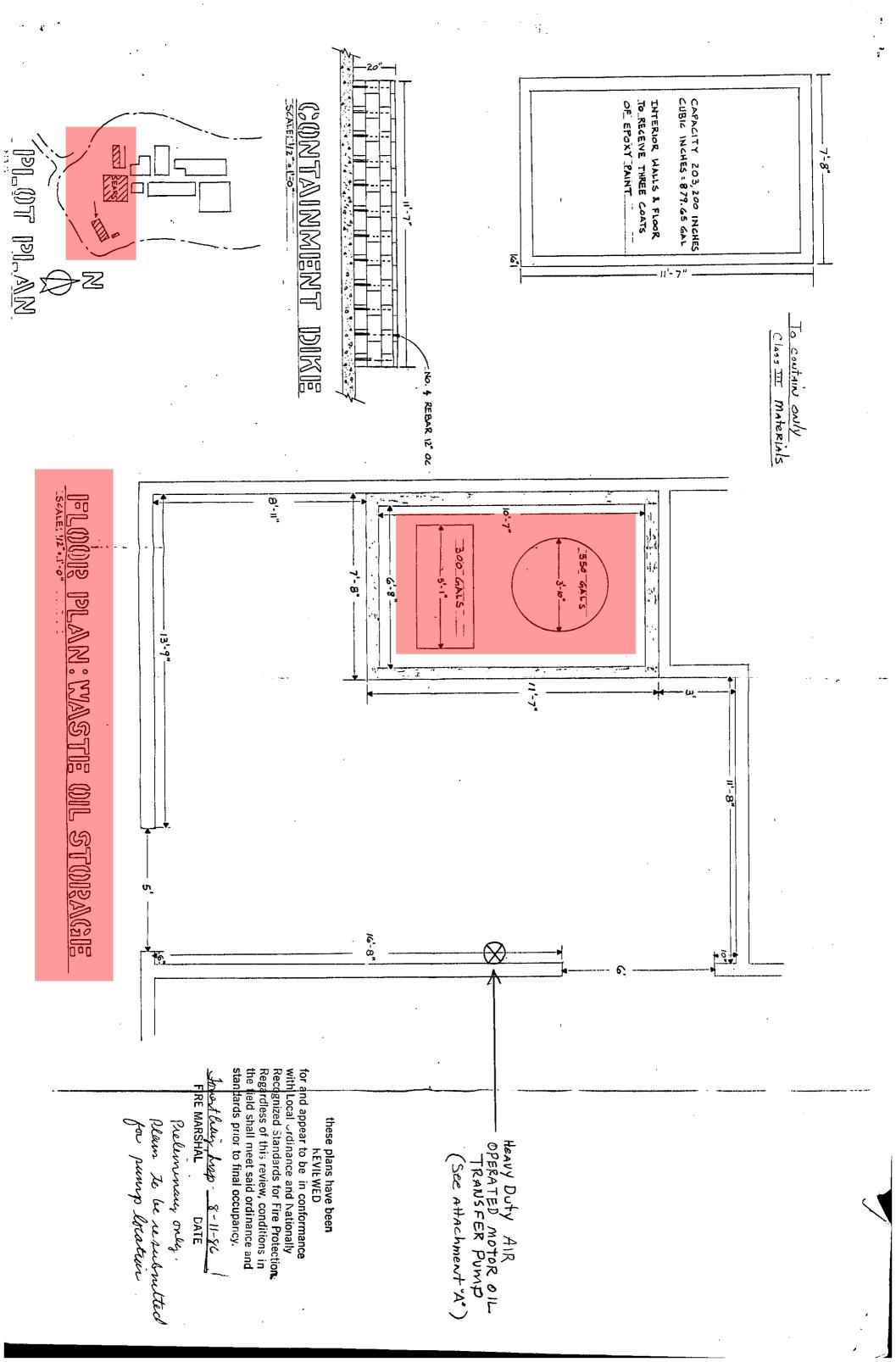
GRACO INC. EQUIPMENT. PART NO ARE FOR

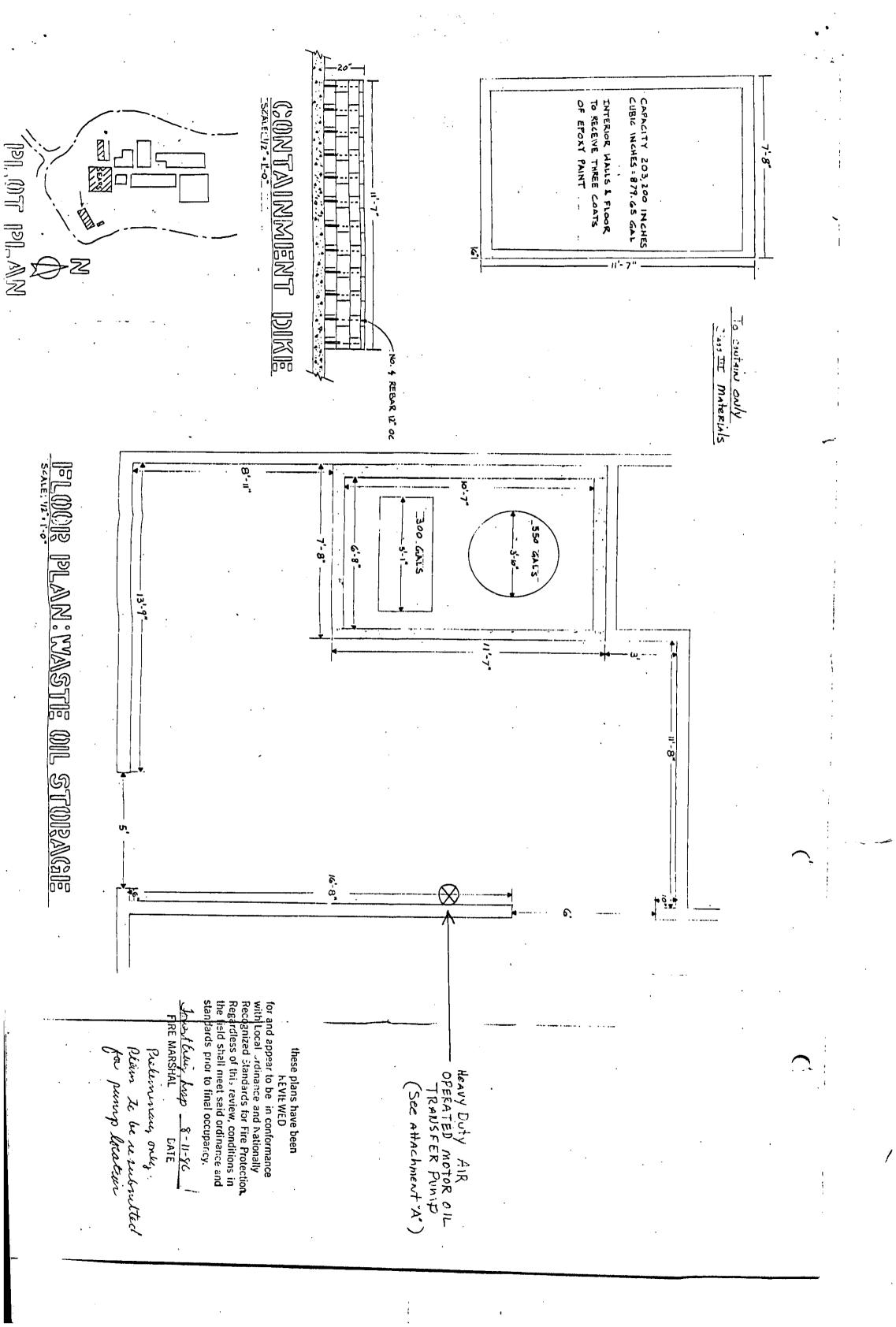
2. REF NO I FURNISHED BY SEARS 3 CONTRACTOR TO PROVIDE REF NO

THE : ROLL AROUND DRAIN EVACUATION SYS'EEM

SAN RAFAEL PLANNING DEPARTMENT 1400 FIFTH AVE. P.O. BOX 60 SAN RAFAEL CA 94915 TEL (415) 485-3085 GENERAL APPLICATION FORM

A P P L L C A 1	FOR.
DESIGN REVIEW LOT LINE A	DJUSTMENT USE PERMIT AMENDMENT
DESIGN REVIEW AMENDMENT REVERSION	TO ACREAGE USE PERMIT EXTENSION
	N-FINAL MAP VARIANCE
	I-TENTATIVE MAP ZONE CHANGE
1	
	DIVISION ZONING ADMINISTRATOR
SIGN REVIEW USE PERMI	OTHER
PROPERTY	IN EO'R MATION
PROPERTI	
STREET ADDRESS	
ASSESSOR' PARCEL NO(S).	
PRESENT USE OF PROPERTY	
SIZE OF PROPERTY	EXISTING ZONING
	INFORMATION
PROPERTY OWNER	AUTHORIZED REPRESENTATIVE
	NAME MARK SNODGRASS
NAME SEARS	
ADDRESS 9000 Northgate Mall	ADDRESS 9000 Appthaste Mall
Jan Ragae 1 94903	SON PAFAEL 94903
TELEPHONE 472-3670	TELEPHONE 472 3670
DETAILED DESCRI	PTION OF PROJECT
Paraditine UNIDER CRAIL	ND OIL STORAGE TANK.
NEMOVING UNDERGIEUG	
INStall shove ground	011 STORAGE TRONKS
in CONTAINMENT dis	re
ACKNOWL	EDGEMENTS
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I acknowledge that all materials submitted in conjunction with thi Acknowledge that this application will not be considered filed a	EDGEMENTS s form shall be considered a part of this application. and processing may not be initiated until the Planning Department determine and is "accepted as complete." The City will notify the applicant of
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DEPARTMENT OF HEALTH AND HUMAN SERVICES

Environmental Health Services

COUNTY OF MARIN

Hall of Justice • Civic Center • San Rafael, CA 94903 (415) 499-6907

RECEIVED

AUG 07 1986

FIRE DEPT.

PERMIT TO REMOVE UNDERGROUND STORAGE TANK

TO S	-	Roebuck and Company	NAME O	F FACILITY	San Rafael S	tore '
A M	ictn: Merchan	Donald Woods dise Group-Western L				
9	100 Sou	th Fremont Ave. a, CA 91802			el, CA 94903	• .
			NO. OF	TANKS TO B	E REMOVED	3
TANK I	LD#(S)	2929001,002, 003			, , , , , , , , , , , , , , , , , , ,	
		THE CALIFORNIA ADMIN			r**	
		RED MATERIAL TO BE RI				
2. TA	ANK PUI	RGED OF FLAMMABLE VAI	PORS.			
3. PF	ROPER 1	DISPOSAL OF THE TANK	•			
	•					

.

DATE

August 5, 1986

cc: K. Schoenthal, San Rafael Fire Dept. K.E. Curtis Construction Co.

-	157.00	4	SOB-TOTAL BOTH COLUMNS	שטפין טואר ו					h a founh	hard plate and a special relocking feature.
		>	TOTH COLUM	2					il resistant	*ALL AAON sprips values have 36" truck splin steel goors with drill resistant
					A	21	231 00		DK. Bronze	Approx. wt. 23 lbs.
36-W		53.00	way Cover.	%" stamless sleet shackle and brass key-way cover	Elastimene case cover, %" stainless steel sh	20	231.00		o Aluminum	<u> </u>
<u>,</u>			¥	CK (%) MODEL PL-	WEATHFRENOOF HEAVY DUTY PADLOCK (W) MODEL PL-1W	- F	216.00	12	R Black	EXTRA HEAVY DUTY (4) Surface Mount MODEL 4400-
မှ		39.00	⊭ned steel y hole.	MODEL PL-1. % dismeter hardened steel dy and pull resistant shrouded key hole.	HEAVY DUTY PADLOCK (A) MODEL PL-1. % usanieter hardened st shackle with solid cast brass body and pull resistant shrouded key hole.	16	261.00		Dk. Bronze	Approx. wt. 23 lbs.
35-C		38 00	With Dust Cover		mounting kit	17	201 00		Aluminum	≈∃
			3 70		removable at either position. För överflöe coatrot of electric daors, gates equipment, etc. Includes special	6	186 00		R Black	COLL JEDGW. 1010W Salph & Coll ALING ANDRE 1400
36		29.00	NS-2 Without Dust Cover		KEY OPERATED SWITCH (MODEL KS-2. Ney	<u> </u>		ň.	t then mour	place during new concrete or masonry construction KNOX-BOX then mounts inside shell housing with hardware provided. "NOTE Special Application.
8		187.00	2"D holds ar Powder 20 ibs.	pacity of 12" Wx11" Hx struction, Tan Polyeste Hx45; "D. Approx. wt. 2	information, MSDS and floor plans. Interior capacity of 12" Wx 11" H x 2"D notes a 2" thick binder. Steel and aluminum construction. Tan Polyester Powder Coat Finish Gutside dimensions 13" Wx 14" H x 4", "D. Approx. wt. 20 fbs.	й .	39.00		Fur use with Models	RECESSED MOUNTING KIT - MODEL 3200-RMK* Greatly simplifies mounting in new concrete or matter. For use with Models 3200-R and 3200-RTS ONLY Kit contains a shell housing which is cast-in-
			.es. Holds	use by small busines.	MODEL 1100 DATA STORAGE BOX - For use by small businesses. Holds	<u> </u>	172.00		O Dk. Bronze	Flange, Approx. wt. 10 lbs.
32-E		227.00	ль 23°Н х	irēd, viutsīde dimensiō		ಪ	172.00		OLO	эъ
			HAZ-MAT	HOUSING-For use win 1200 Key & HAZ-MAT	1200-10WH WEATHER HOUSING-For a	<u> </u>	157.00 157.	 -	Black	HEAVY DUTY (B) Recessed Mount MODEL 3200-RTS
O		Aud 24.00	ks. Key to)pen vault	Option "26" 2 Lacks, Key to both locks reg'd to open vault		<u>=</u>	167.00		C Dk. Bronze	Flange, Approx. wt. 10 lbs.
O		34.00	ı zault	entrez lock will open vault	Single lire department lock and talliper seal tab standard. Not waterproof.	ō	167.00		Aluminum	KNOX-BOX Without Alarm Tamper Switch, All No. 1 wavy
E .		Aud	s Key to	O: 1 on "2A" - 2 Lacks Key to	27 key taga and key took panel for 27 keys.	9	142.00		Black	HEAVY DITTY (4) Bucessed Mount MODEL 3200-19
Þ		23.00	65	Option "TS" Dual Tamper Switches	etc. Use for high-rises, jurge building com- plexes and factorius. Heavy plate steel con-		159.00		C Dk. Bronze	Outside dimensions 4"Wx5"Hx3"D. Approx. wt. 9 lb.
1				Approx. wt. 50 lbs.	Mat. data sheets, control switches, phones,	7	159.00		Alummum	BOX With Alarm Tamper Switches: All 1/4" Heavy Plate Steel.
ધુ		391.00		141/2 WX 18"HX 7"D	KEY & HAZ. MAT. VAULT	60	144.00	-	Black	- 1
2		383.00	** .	141: "Wx 18" H x 5" D Approx. wt. 47 lbs.		υ,	125.00		O Dk. Bronze	Steel. Outside dimensions 4"Wx 5"Hx 3"D. Approx. wt 9 lbs.
		-	Cation.	hardware provided. NOTE: Special Application.	inside shell housing with hardware provided	4	129.00		Aluminum	BOX Without Alarm Tamper Switches. All 1/4" Heavy riate
6		1,00	in mounts	MER Att contains shed flowing which is cost-in-place masonry construction. KNOX-VAULT, then mounts	during new concrete or masonry constructs	မ	114.00	_	Black	- 1
È		5	th Models	i00-naK* ormasonry For use wil	RECESSED MOUNTING AIT - MODEL 4400 - AMK' Greatly amplitus importably in new concrete or that surry. For use with Idouels	N.	99.00		D Approx.wt. 5 ibs.	designed for lower level security (e.g., unity abouts, year, about where permits structures). Earnper Switch not available on this structure). Earnper Switch not available on this structure. As Polyaceter Finish Outside dimensions including baseplate 4"H>4"N>2". D Approx.wt.5 libs.
27		251 00	Dk. Bronze	C	5"D with 9 , "A9h" Flunge. Approx wt. 24 ibs.	,			This model is	MEDICAL Surface Mount MODEL 2500 KNOA BOX
26		251 00	Aluminum	or c		بر	12.00		100	TAMPER SEALS - Consecutively numbered, Pkys C
1.5 G		236 00	выск	R	EXTRA HEAVY DUTY (4) Recessed Mount *MODEL	<u>ස</u>	5.00		50	
10.		236 Ou	Dk Bronze			37	250			KEY TAGS—White libre tag with spring key clip (10), ag i
ļģ.		230.00	Alumiouti	ÇOL	steel than Turge Capacity, Outside dimensions ("Wx7"Hx 5"D with 9% 'x992" Flange, Approx, wt. 24 lbs.				,	
Ιŝ		221 00	Hack	OR	EXTRA HEAVY DUTY (9) Recessed Mount throDEL 4400-N NOW. VAULT Villhout Alarm Lamper Switch to thick	•	2		d wan a KHOA-EOX	terior doors to alert tiremen that the ruilding as equipe of with a K4OA-FOX terior coorse to a construct and made yets the fine of the later that details are constructed in the construction.
	TOTAL \$	OTY PRICE	01				PRICE TOTAL S	ory	ari on di	FIRE PERMANENT ALEGO TIGO ALL TRANSPORTE

weather resistant, heat fused polyester powder coat

MAIL COMPLETED FORM TO: --

THE KNOX COMPANY

P.O.BOX 2684

NEWPORT BEACH, CAL 92663

THIS ORDER WILL BE REJECTED UNLESS SIGNED WITH "AUTHORIZED SIGNATURE" REQUIRED ON OTHER SIDE OF THIS FORM.

Send this ORIGINAL FORM ONLY Do NOT send a copy.

California residents only must and 61/4% or 65% Sales Tax

ADD SHIPPING PROCESSING & DOCUMENTATION CHARGE

\$8.00

MAKE CHECK PAYABLE TO ACCOMPANY THIS ORDER FULL PAYMENT MUST KNOX COMPANY

174.42 TOTAL

Allow 1-2 weeks for delivery

PUBLIC SAFETY KEY BOX SYSTEM AUTHORIZATION FORM

IMPORTANT - READ THIS FORM CAREFULLY!!

Complete this special form to obtain KNOX-BOX devices which conform to your particular PUBLIC SAFETY KEY BOX SYSTEM as indicated by the system code number below.

WARNING - This order WILL NOT be processed unless the following items are completed.

- 1. This form must have the proper authorized signature from the issuing "PUBLIC SAFETY AGENCY."
- 2. Full payment for amount of purchase must accompany this order.
- 3. C.O.D. and credit orders cannot be accepted.
- 4. Send this **ORIGINAL** signed form only do **NOT** send a copy.

PLEASE NOTE: Each KNOX-BOX device is specially fabricated and keyed to meet the requirements of your agency's key box system; therefore, you must allow 2 to 3 weeks for delivery.

All units are shipped WITHOUT KEYS. Contact your issuing agency for instructions covering keys and lockup. These vaults can only be opened and closed with authorized issuing agency key. KEYS ARE NOT SUPPLIED to purchaser. Instructions for mounting are supplied with each unit.

REMEMBER — All shipments are factory direct and will be sent on a PREPAID basis only. Shipping and processing (and sales tax - for California Residents only) must be added to unit price.

CAREFULLY COMPLETE THE FOLLOWING Type or Print Clearly

ORDERED BY: ORDER DATE Sept.20,198
Company Sears Roebuck
Street 9000 Northgate Mall
City/State San Rafael Cal 94903
INDIVIDUAL PLACING ORDER: Zip 94903
Name M. Snodgrass Phone (415) 472-3670
SHIP TO: DO NOT USE P.O. BOX
Attention of: Mark Snodgrass
Company Sears Roebuck
Street 9000 Northgate Mall
City/State San Rafael Cal
Zip <u>94903</u>
Purchase Order No. If Required
INSTALLATION ADDRESSES: (THIS IS AN AGENCY REQUIREMENT)
PURCHASERS MUST LIST BELOW ALL ACTUAL INSTALLATION ADDRESSES. THIS LIST IS NECESSARY FOR AGENCY SECURITY RECORDS AND IS CONFIDENTIAL.
BUILDING NAME STREET ADDRESS CITY
SEARS 9000Northgate Mall San Rafael

AGENCY USE ONLY
,
SAN RAFAEL FIRE DEPT.
Issuing Agency —
NOT VALID UNLESS SIGNED
AUTHORIZED SIGNATURE
SYSTEM CODE NUMBER
PS-01-006

KNOX	CO. USE ONLY
RECD	RETURNED
VERIFY	O/N
REJECT	S Z

© The Knox Company 4/87

8. Addressee's Address (ONLY If requested and fee paid)

STIC RETURN RECEIPT

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS your name, address, and ZIP Code in the

1, 2, 3, and 4 on the reverse

PENALTY FOR PRIVATE USE, \$300

RETURN

djacent to num

San Rafael Fire Department

(Name of Sender)

1039 11C1 Street (No. and Street, Apt., Suite, P.O. Box or H.D. No.) San Rafael, CA 94901 (City, State, and ZIP Code)

P 483 502 865

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL

(See Reverse) Sent to Fred Munser Street and No. 9000 Northgate Shoppin Postage \$ Certified Fee Special Delivery Fee Restricted Delivery Fee Return Receipt Showing to whom and Date Delivered Return Receipt Showing to whom, Date, and Address of Delivery E TOTAL Postage and Fees Postmark or Date 11/21/95 Å j Sears Automotive 12/6/85



SAN RAFAEL FIRE DEPARTMENT

MAYOR

LAWRENCE E MULRYAN

COUNCIL MEMBERS DOROTHY L. BREINER GARY R. FRUGOLI RICHARD P. NAVE JERRY RUSSOM PRE-CITATION LETTER

	CERTIFIED MAIL-RETURN
XXXX	RECEIPT REQUESTED
	DELIVERED IN PERSON

November 21, 1985 DATE

Mr. Fred Munser The San Rafael Fire Department conducted a fire safety inspection at the following: Sears Automotive Repair Name Address 9000 Northgate Shopping Center On Date October 27, 1985 At that time a notice was issued indicating the corrections required to provide compliance with the applicable codes, regulations and ordinances. Compliance is required by the Uniform Fire Code, Section 3.102. Reinspections were made on October 28, 1985 , in an attempt to gain compliance with November 18, 1985 the above mentioned fire code regulations. We were unsuccessful in obtaining compliance. This letter is to inform you that a Fire Inspector for the San Rafael Fire Department will make a reinspection at the above mentioned establishment on <u>December 6. 1985</u>, to determine if the necessary corrections have been made. If the necessary corrections have not been completed by this date a citation will be issued, which will require an appearance

This letter is written as a courtesy to you in order to avoid future 2 weeks extension

K. SCHOENTHAL. FIRE MARSHAL By FORREST CRAIG, INSPECTOR

by you in court.



MAYOR LAWRENCE E MUCRYAN

COUNCIL MEMBERS DOROTHY L BREINER GARY R FRUGOLI RICHARD P NAVE JERRY RUSSOLI FIRE DEPARTMENT

November 5, 1985

Mr. Fred Munser, Manager Sears Automotive Repair 9000 Northgate Shopping Center San Rafael, California 94903

Subject: Required Exits

Dear Mr. Munser.

11-18 UD

On October 27, 1985, an inspection was conducted pursuant to a complaint received by this Department regarding locked exit doors.

At that time, the Captain of Engine Company 53 verbally requested the manager to unlock the required second exit.

On October 28, 1985) a follow-up inspection was conducted by me and a walk-through of the shop area was completed. The following violations were found to exist:

Repair the indicator on the south pair doors so that it states "opened" or "locked" with respect to the position of the deadbolt.

Remove the metal slide bolts from the two required exit doors in the shop area and post a sign over the doors stating "This door to remain unlocked during business hours." The sign shall have letters at least one inch high and in contrasting color to background.

17.17-65 FC.
In lieu of removing the slide bolts from the doors they may be padlocked in the "open" position.

Remove the obstructions from the required second exit from the shop at the stairwell. The same requirements shall apply as in #2 above.

Post an approved EXIT sign above the entry to the landing of the serving the exit door in #3 above.

You are hereby notified at the violations which currently exist. Corrective action should be taken immediately.

Mr. Fred Munser, Manager November 5, 1985 Page Two

A re-inspection will be conducted in approximately two weeks by this Department to determine if the necessary corrections have been made.

Failure to comply may result in derial of fire clearance which, in turn, may revoke your license to operate.

Should you have any questions regarding this notice, please contact me immediately at 485-3309.

Sincerely,

A ...

ROBERT E. MARCUCCI Fire Chief

By FORREST CRAIG Inspector

cc: Property File.
Captain Hofstede

M A/22

LSAN	RAFAEL SPECIAL PROCESSES APPLICATION/PERMIT	BUREAU (
>	Date:	SEPT.3, 1985
CITY	Address/Location: Northgate Mall, Terra Linda	
	Business Owner(s): Sears, Roebuck and Co. D.B.	A.Sears Autocent
	Address: 9000 Northgate Mall, San Rafael, CA (Street) (City) (State)	
	Contractor (When applicable): N/A	
	Address:	
	(Street) (City) (State)	(Phone)
	State License No Type: City Business L	ic. No.:
	Type of Permit	U. F. C. Section
	Application of Flammable Finishes	45.102
	Fumigation and Thermal Insecticidal Fogging	47.102
	Compressed Gases	74.103
	Cryogenic Fluids	75.103
	Explosives and Blasting Agents	77.104
	Fireworks	78.102
		79.103
	Hazardous Chemicals	80.102
	High-Piled Combustible Stock	81.103
	Liquefied Petroleum Gases	82.103
_	Other	
	Description of operations/Location of storage: ABOVE 6P	
	TAUL TUSTALL FILDY AND STORAGE. BULK-OI	
	MUST CONFORM TO UFC 79 amel FPS	30G
/	FOR FIRE DEPARTMENT USE	
/	Plans submitted: NOT APPROVED 3.18.8	36
	Date: Approved by: Da	
	Field Inspection:	
	By: Date: By: [Date:
\	Final approval by: Date:	
	Final approval by: Date: Date: Date: Permit fee: 430.00 Date paid: 9/4/85 Permit numb	per:
	Remarks:	
	FP-1 (Revised 2/80)	

Mr. Al Schetter Department 700-8

RE: BULK OIL TANKS

The fear of the N.F.P.A. was that large containers of combustable material such as this could add fuel to a fire. For this reason they had a law on the books that limited the container size.

It was determined that this type of ruling should be established by local codes. Therefore, the N.F.P.A. has deleted its specifications and requested that local Fire Martials establish the quantities that can be stored as well as the venting required.

Regards,

J. W. Alzner Department 731

JWA/el81

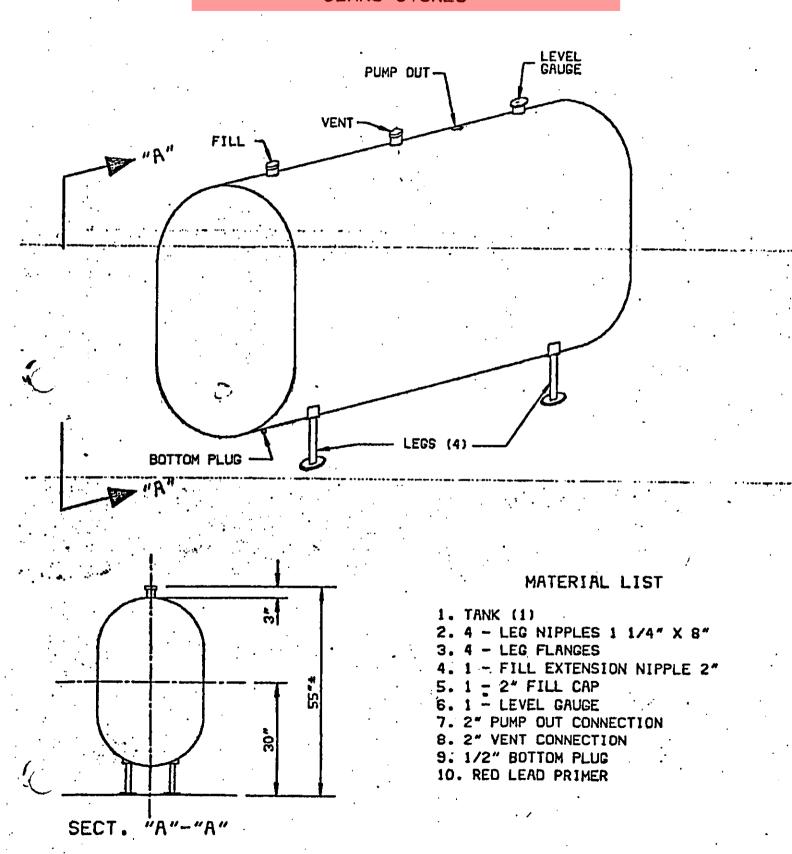
Above ground TAWA must conform to UFC Article 79 and Five Prev. Std. # 306. By: Fourtling, Inspector 3.18.86

OIL STORAGE TANK

275 GAL. CAP.

12 GA. CARBON STEEL

APPLICATION - STORAGE MOTOR OILS SEARS STORES



6" concrete = 3 hours
environmental healte
Longilier von
D Enclosure shall be vapor and liquid tright
3 Sides & top out botton shall be 6"
through top only. De Jank connection shall be pepid or
enclosed that weithe vapor nor liquid
5 18" of fell webs tarks 12" I on all sides 12 Janh inspection opening sheet be
@ # 1 # ft around tack fill groung
DISPENSING
LENTING-

Certificate of Alame Resistance



REGISTERED APPLICATION CONCERN NO.

CALIFORNIA FLAMEPROOFING & PROCESSING CO.

ISSUED BY

Date treated

27/1/20

R. E. Ellis, Owner

170 NORTH HALSTEAD STREET

This is to certify that the materials described here have been flame-retardant treated PASADENA, CALIFORNIA A-5

(or a	(or are inherently nonflammable).			
Ŝ	FOR Sears \$1528	ADDRESS	9000 Forthgate	
<u>}</u>	San Rafel,	STATE	Califorita 94,903	
 - -	Certification is hereby made that: (Check "a" or "b")	Check "a" or	(,4,,)	
X	0	have been treat and that the app	The articles described on this Certificate have been treated with a flame-retardant chemical approved and registered by the State Fire Marshal and that the application of said chemical was done in conform	prove

and registered by the State Fire Marshal and that the application of said chemical was done in conformance with the laws of the State of California and the Rules and Regulations of the State Fire Marshal. Name of chemical used Method of application Method of application

(b) The articles described on the reverse side hereof are made from a flame-resistant fabric or materialReg. No. registered and approved by the State Fire Marshal for such use. Trade name of flame-resistant fabric used.

Be Removed By Washing (will or will not) W11 The Flame Retardant Process Used

Name of Applicator

 $B\gamma$

CALIFORNIA FLAMEPROOFING & PROCESSING CO.

16s F-70588

426834 426834

OUR INVOICE NO.

11.

DESCRIPTION

CUSTOMER ORDER NO

Sensalito, Tang.

s/a Harin Co.

RECEIVED

NOV 1 5 1972

CITY OF SAN RAFAEL

CITY OF SAN RAFAEL

SAN RAFAEL, CALIFORNIA

INTER - DEPARTMENTAL MEMO

DATE: September 11, 1972

TO:

ALL PERSONNEL

SUBJECT:

Sears Buildings

9000, 9100, 9200 Northgate Fashion Mall

As of this date the sprinkler systems to the above captioned buildings are in service.

The risers and OS & Y valves for the Main Building and the Garden Shop are located in the basement of the Main Building about mid-point on the south wall.

The F.D.C. for the above systems is outside the south wall.

The riser and F.D.C. for the Automotive Center are located on the north wall towards the west end. This is an independent system.

An A. D. T. locator panel is located at the east entrance on the north wall of the main building, but it is not in service at this time.

KENNETH MAZZ

Fire Marshal

KM:jm

FIRE AND DISASTER MANUAL

SEARS SAN RAFAEL 1528

COMMANDER (STORE MANAGER)

ASST. COMMANDER (SUPERINTENDENT)

Cashiers	P.B.X.
Captains	Fire Marshall
Merchandise Mgrs. Store Engineer or Asst. Service Station Mgr. or Asst.	Security Manager
FIRST AID AND I	evacuation
Personnel Mgr. Customer Service I	or Asst. Mgr. or Asst.
PTACTIANTON DEPROPOSO	

EVACUATION DIRECTORS

Receiving Mgr. or Asst.
Unit Control Mgr. or Asst.
Display Mgr. or Asst.
Credit Mgr. or Asst.
Controller

FIRE FIGHTERS AND GUARDS

Receiving Mgr. or Asst.
All male division Mgrs.
All male maintenance personnel
Security Dept.

This marmal is set up as a basic guide in the event of fire, building evacuation or other disasters. The above chart delegates the lines of authority and responsibilities. Teamwork is the key to combating any type of disaster at any time. Remember to work as quickly and as safely as possible. In this way you will help to minimize our losses and possibly eliminate injuries to employes and customers.

W. C. Dunlap Security Manager

DUTIES:

COMMANDER:

The commander will maintain complete authority over the operation and determine if and when the store should be evacuated.

ASSISTANT COMMANDER:

The Assistant Commander shall have the same duties in the event that the Commander is absent. He shall determine what store staff will remain in the store in case of evacuation to guard the store against looters. The Asst. Commander shall appoint one or two male members of the fire brigade to stand by the cashiers office until a member of the Police department arrives or a member of the store staff can take the post.

CAPTAINS:

The captains shall respond to every fire or disaster call. Their first duties should be to seal off the area from customers as well as employes. They should allow only members of the fire brigade to enter the danger area. The captains shall see that all blowers are turned off and be ready to shut off the risers in the area. They should know the locations of disaster equipment in the store and be ready to supply necessary equipment to the fire fighters.

In the event that the fire cannot be contained and it becomes a hazard to personnel fighting the fire the captains shall determine the safest exit.

The captains shall also see that the registers in the area are guarded abainst foul play, and, if necessary, remove the cash and detail to be placed in the main safe. Upon notice to evacuate the captains shall see that the registers are cleared and be ready to lock and secure the store.

FIRE MARSHALL:

The Fire Marshall or his assistant shall respond to every fire or disaster call. Upon his arrival he shall determine what type of equipment should be used in combating the problem. He will direct the fire fighters and guards and help contain the fire wherever possible. The Fire Marshall shall also help in the evacuation of the store. In the event that the store is evacuated, he will see that the store is locked and secured.

The Fire Marshall or his assistant shall make daily inspections of the store eliminating fire hazards wherever possible. He shall make sure all disaster and fire fighting equipment are in proper working order. The Fire Marshall shall see that enough flashlights are placed around the store in case they are needed in an exergency.

FIRST AID DIRECTORS:

The Personnel Manager or assistant will stand by in the FIRST AID ROOM in the event minor first aid is needed by employes or customers. If it becomes necessary the first aid director may seek help from the customer service department to assist in first aid treatment.

In the event the main store is evacuated the first aid director shall set up in the service station first level manager's office,

EVACUATION DIRECTORS:

The primary function of the evacuation directors is to see that employes and customers leave the store quickly and safely. They will open wide all cuter doors and see that all stairways are kept clear and the people moving. They will aid elderly people, calm hysterical people, and help handicapped people leave the store.

The secondary function is the protection of the building, its merchandise, and the store records. In the event the store records must be removed, and if they can be removed with no danger to the personnel removing them, they will be evacuated to safety. The files to be removed shall be marked "Files First" in red labeling on the outside of the file cabinets. The locations of important files are the personnel dept., unit control, customer service, and the credit department. The audit dept. will be responsible for their own files. The receiving dept. and the service station have safes for their important files.

In the event the store is evacuated no one is permitted to enter the store except the police department, fire department, or emergency first aid teams.

FIRE FIGHTERS AND QUARDS:

The fire fighters and guards will respond to every fire and disaster call. They will stand by and be ready to use whatever equipment is assigned to them. They shall follow the instructions given to them by the Fire Marshall or the store staff.

Whenever possible, burning materials should be carried out of the store and put out. This will help cut down the losses from both smoke and water damage. The fire fighters and guards shall also aid in the evacuation of the store and be ready to guard exposed registers. This will help minimize the chances of looters taking advantage of the circumstances. Also, they should remove any valuable merchandise out of the danger area, such as diamonds, furs, etc. This also applies to store records and documents, as well as merchandise.

In the event of a power failure the fire fighters and guards shall assign themselves to the nearest registers.

Fire fighters and guards see zone duties.

P.B.X.

The P.B.X. operator shall make the following announcement immediately upon report of a disaster or fire.

Mrs. O'Riley, please go to division (where needed) immediately Mrs. O'Riley, division (where needed) immediately Mrs. O'Riley, division (where needed) immediately

This announcement will be repeated three times.

The operator will then call the local fire department and report the nature of the disaster and its location.

STORE EVACUATION NOTICE

"Good Morning" (afternoon, evening). The office of the civilian defense department has asked Sears to participate in a test alert for the evacuation of our store. We request that all customers please leave the building by the nearest exit immediately. The store will re-open as soon as possible. (Repeat) This is only a test. Thank you for your cooperation."

This announcement shall be repeated twice and once every 15 minutes thereafter until requested to stop by a member of the store staff. Also, in the case of a CIVIL DEFENSE alert the above announcement will be used only by substituting evacuation to the lower level by the closest stairway at once. The sales personnel shall direct the customers within their own departments to the nearest stairway.

Regardless of whether the fire is on the premises or in a building nearby, the fire department must be called immediately.

CASHTERS:

The cashiers will remain in their office unless notified by a member of the store staff to evacuate. Upon that request to evacuate they shall see that the safe is locked and secured.

DUTIES: ZONE CAPTAINS AND ALTERNATES

Zone captains shall have added responsibilities as follows:

- 1. Sound alarm to all personnel in your zone and direct them to exits away from the fire.
- 2. After the area has been cleared of personnel, all doors should be closed and all electrical panels in the danger area should be turned off.
- 3. Be aware of the locations of all fire fighting equipment in your zone.
- 4. Know the locations of all the riser valves in your zone. If it become necessary for the valves to be turned off, the fire captains should show the fire department where and how to operate them.
- 5. If there is a sprinkler head running in your zone, the Fire Marshall should know the location at once.
- 6. Return all unused fire fighting equipment to its proper place.
- 7. If the fire fighting equipment is used, notify the Fire Marshall so that it may be replaced.
- 8. Be aware of fire hazards in your zone and help head off a disaster before it happens.

ZONE 1A: Captain - Assistant Customer Service Manager Divisions - P.B.X., security, management offices, mail room, audit, credit, cashier, customer service, training room.

ZONE 1B: Captain - Div. 37 Mgr.
Divisions - 1, 21, 24, 96, 25, 36, 37, 49, 57.

ZONE 1C: Captain - Receiving Mgr.
First level stock area, receiving, and the display and maintenance depts.

ZONE 2A: Captain - Div. 29 Mgr. Divisions - 29, 40, 48, 33, 41, 45, 51, 14, 15, 3, 87, Tailor Shop.

ZONE 2B: Captain - Women's Fashion Manager Divisions - 75,17, 19, 31, 77, 1, 8, 75, 18, 38, 88

ZONE 2C: Captain - Div. 9 Mgr.
Divisions - Coffee House, 6, 9, 20, 30, Tobacco Shop and Key Shop

ZONE 2D: Captain - Div. 42 Mgr.
Divisions - 22, 26, 46, 47, 42, 64, 65, 32, 11, 34

ZONE 2F: Captain - Div. 28 Mgr. Divisions - 28, 190, 95, stockroom and the employees lounge

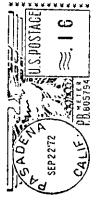
ZONE 2G: Captain - Div. 71 Mgr. Catalog and Seasonal Sales building

* ALIFORNIA FLAME PROOFING 170 NORTH HALSTEAD PASADENA, CALIF. 91107 RECEIVED

SEP 23 1972

FIRE DEPT: CITY OF SAN RAFAEL

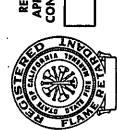
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FIRE DEPT HOTS. SAN RAFAEL, CALIFORNIA CHIEF OF FIRE DEPT

Alame Resistance Certificate of

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A-5

REGISTERED APPLICATION CONCERN NO.

Date treated

CALIFORNIA FLAMEPROOFING & PROCESSING CO.

R. E. Ellis, Owner

170 NORTH HALSTEAD STREET PASADENA, CALIFORNIA This is to certify that the materials described here have been flame-retardant treated or are inherently nonflammable).

Sears Poebuck Co San Bafael, 5

9000 Forthgate ADDRESS_

California

Certification is hereby made that: (Check "a" or "b"

(a) The articles described on this Certificate have been treated with a flame-retardant chemical approved ance with the laws of the State of California and the Rules and Regulations of the State Fire Marshal. and registered by the State Fire Marshal and that the application of said chemical was done in conform-

Name of chemical used Managed

...... Chem. Reg. No.

Method of application

The articles described on the reverse side hereof are made from a flame-resistant fabric or material egistered and approved by the State Fire Marshal for such use.

Irade name of flame-resistant fabric used...

...Reg. No.....

Be Removed By Washing will or will not) The Flame Retardant Process Used Will

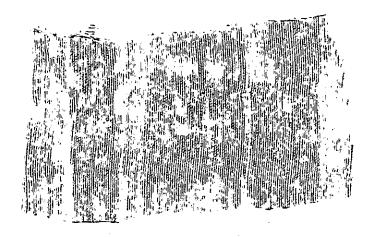
CALIFORMIA FLAMEPROOFING & PROCESSING CO. $B\gamma$

CUSTOMER ORDER NO

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DESCRIPTION

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Certificate of Mame Resistance

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REGISTERED APPLICATION CONCERN NO.

Date treated

CALIFORNIA FLAMEPROOFING & PROCESSING CO.

R. E. Ellis, Owner

170 NORTH HALSTEAD STREET PASADENA, CALIFORNIA

This is to certify that the materials described here have been flame-retardant treated

(or are inherently nonflammable). Sears Roebuck Co. #1528 San Rafael, Ę

9000 Northgate California **ADDRESS**

STATE

Certification is hereby made that: (Check "a" or "b")

X

(a) The articles described on this Certificate have been treated with a flame-retardant chemical approved and registered by the State Fire Marshal and that the application of said chemical was done in conformance with the laws of the State of California and the Rules and Regulations of the State Fire Marshal.

Name of chemical used

Immersed

Chem. Reg. No. . 6. 3.12.

Method of application

(b) The articles described on the reverse side hereof are made from a flame-resistant fabric or material ...Reg. No.. registered and approved by the State Fire Marshal for such use.

Trade name of flame-resistant fabric used

The Flame Retardant Process Used

CALIFORNIA FLAMEPROOFING & PROCESSING CO.

(will or will not)

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Be Removed By Washing

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Vame of Applicator

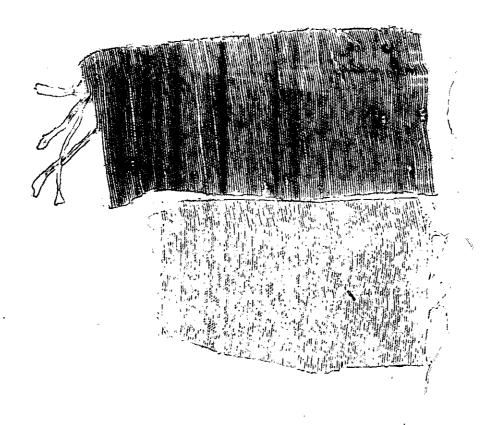
CUSTOMER ORDER NO. 537980 s/a Store

OUR INVOICE NO.

11-14 & 15

11-14 6 rds 70500 - 2 Hoomafite - part acetate DESCRIPTION

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APPLICATION CONCERN NO. REGISTERED

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ISSUED BY

Date treated

CALIFORNIA FLAMEPROOFING & PROCESSING Co. E. Ellis, Owner

PASADENA, CALIFORNIA

170 NORTH HALSTEAD STREET

or are inherently nonflammable) This is to certify that the materials described here have been flame-retardant treated

Name of Applicator	Tell Barrow		The Flame Retard	(b) The articles descrivegistered and ap	Name of chemical used Method of application	(a) The articles descri		San Bafael,	on Search Streetment & Co. #1528
Name of Applicator Applicator Applicator	Ву	(will or will not) CALIFOR	The Flame Retardant Process Used will	(b) The articles described on the reverse side hereof are made from a flame-resistant registered and approved by the State Fire Marshal for such use. Reg.	used Induction	(a) The articles described on this Certificate have been treated with a flame-retardant and registered by the State Fire Marshal and that the application of said chemical w ance with the laws of the State of California and the Rules and Regulations of the	Certification is hereby made that: (Check "a" or "b")		
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DESCRIPTION

CUSTOMER ORDER NO.

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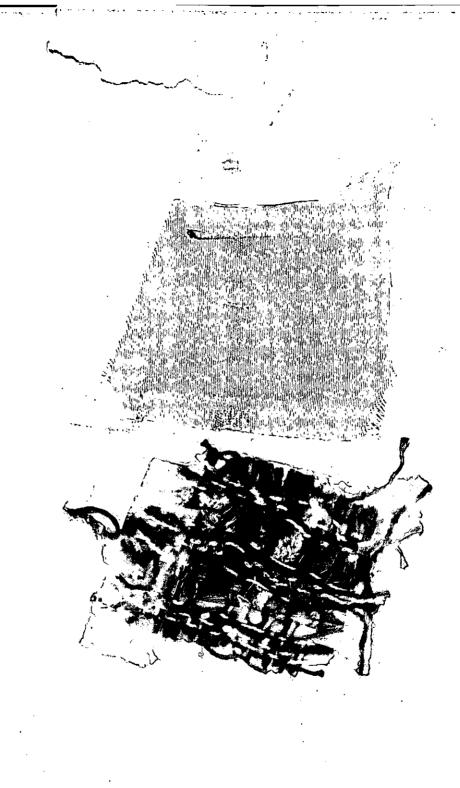
OUR INVOICE NO. 13-6 thru 12-12 & 12-15

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CONCERN NO. **APPLICATION** REGISTERED

ISSUED BY

CALIFORNIA FLAMEPROOFING & PROCESSING CO.

21/61/6

Date treated

A-5

170 NORTH HALSTEAD STREET R. E. Ellis, Owner

PASADENA, CALIFORNIA

This is to certify that the materials described here have been flame-retardant treated	,	ADDRESS 9000 Borthgate
describe	•	ADDRE
This is to certify that the materials	or are inherently nonflammable).	OR Sears Bochnet & Che.

FOR Sears Bochack & Co. Sen Rafael,

Celifornia

STATE

Certification is hereby made that: (Check "a" or "b")

ance with the laws of the State of California and the Rules and Regulations of the State Fire Marshal. (a) The articles described on this Certificate have been treated with a flame-retardant chemical approved and registered by the State Fire Marshal and that the application of said chemical was done in conform-X

Chem. Reg. No. 6.3.12. * Name of chemical used

Inservoor Method of application

(b) The articles described on the reverse side hereof are made from a flame-resistant fabric or material registered and approved by the State Fire Marshal for such use.

...Reg. No... Irade name of flame-resistant fabric used... Be Removed By Washing (will or will not) The Flame Retardant Process Used will

Name of Applicator

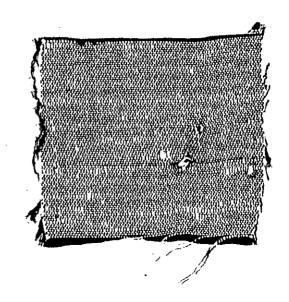
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CALIFORNIA FLAMEPROOFING & PROCESSING CO.

ALL ARS PART SCRUTT N CUSTOMER ORDER NO. 53504, 081500, 53807, 538056, INVOICE NO. 5150, 081599, 54150, 081598

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Atta Thurs 107Readth



SAN RAFAEL FIRE DEPARTMENT

Bureau of Fire Prevention & Investigation Type of Inspection Hour BUSINESS BUILDING Name Owner Address Owner/Manager Occupied as ____F-2 Remarks:

Inspector

Parkin

Architects Engineers Planners 1333 Westwood Boulevard Los Angeles California 90024 (213) 479-4353

Inter Office Memo

FIELD PROCEED ORDER NO 17

4000 Forthastelfall

To Roy J. Ontano, Supt.

Williams & Burrows, Inc.

Project

Project

Sears, San Rafael - Automotive Center

From Mauri Metz

Res. Architect - Parkin

Date

11/2/71

By telephone authority of Chos. A. Day of Sears, at the request of Ken Mazza, San Rafael City Fire Marshalf you are being asked to relocate the 21/2" x 21/2" x 4" Flush F.D. connection shown on the South side of the Auto Center at Col. Cine "F", to the north side of the building, approximately 3'0" east of Col. Line "B." Please quote a deductive price for the 156'-0" of 4" pipe, that will be saved by this change, for my bruarding to my Cos Angeles office for approximately m

ca. Chos. H. Day, Seors Kan Mazza, S.R. Fire Marshell-Tony Valaitis, Parkin Sear & Co. 9000 Morthgate S.C.

Schinner

Engineering Corporation

5940 W. TOUHY AVENUE . NILES, ILLINOIS 60648 . AREA CODE: 312 647-9390

April 22, 1971

CHESTER W. SCHIRMER, P.E., PRESIDENT

ROBERT W. SCHIRMER, P.E., CONSULTANT

FIRE PROTECTION ENGINEERING

SEMI-ANNUAL
NATION-WIDE
INSPECTIONS
FOR
FIRE, SAFETY.

AND MAINTENANCE

CASUALTY AND
WORKMEN'S
COMPENSATION
ENGINEERING AND

FIRE. BURGLAR ALARM,
AND SECURITY
CONSULTANTS

INSURANCE

FIRE AND BUILDING CODE ANALYSIS

SPRINKLER DESIGN
LAYOUTS AND
SPECIFICATIONS

Mr. Kenneth Marzza, Fire Marshal San Rafael Fire Department San Rafael, California

Dear Mr. Marzza:

This letter will confirm our telephone conversation of April 21, during which we discussed the proposed fire alarm system for the Sears, Roebuck and Co. Retail Store and Auto Center to be constructed in San Rafael. The purpose of the conversation was to review several questions you had voiced as a result of reviewing the plans for the alarm system we designed for the subject job.

In response to your two specific questions, the following conclusions were reached:

- 1. I verified that the waterflow alarm for the seasonal sales building was connected to a separate zone on the fire alarm system control unit. We agreed that it would be satisfactory to leave the manual fire alarm station on the same zone as the retail store manual stations, as is currently shown on the drawings.
- 2. Regarding your request for a remote fire alarm annunciator, we agreed that it would be desirable to provide such an annunciator. However, as I explained, the cost factor of this additional device is something that must be approved by the owner.

I will convey your request to the owner and if his approval is granted for the remote annunciator, it will be provided. From an aesthetic point of view, the architect would prefer that the annunciator not be installed on the outside wall in the area you suggested. Therefore, if the annunciator is provided, we will assure you that it will be located where it will be visible without the need of forcing entry into the store. At this point, I cannot tell you exactly where this would be, but it would

I trust that the above agrees with the notes you made regarding our conversation. I'll follow up on your request with the owner and see what can be provided.

Very truly yours,

SCHIRMER ENGINEERING CORPORATION

BWG:jc

B. W. Garner, Manager Alarm Systems Department

cc: R. W. Gould M. Taff



Fire Chief John Montenero

10/05/2005

Northgate 1 Cleaners Attn: Yongi Yi 8985 Northgate Mall San Rafael, CA 94901

Re: Business License Application - On Hold

Dear Business License Applicant:

The San Rafael Fire Department is holding our approval of your business license application for the following reason/s:

* With this letter is hazardous materials CUPA program permit application paperwork. Return to this department as soon as possible.

Once you have completed the above code requirements, we will approve your application and forward to the Business License Bureau. Should you have any further questions, I can be reached at 415-485-3309.

Sincerely,

Bradley R. Mark, Captain Deputy Fire Marshal

City of San Rafael Fire Department

cc: Karen Landesman – Business License Bureau

5/90

FP-8

	Addre			85	N	<u>.G.</u>	m	al	0	Business	Name -	Fai	rfa	x F	7. C	lea	nek	_ FP-1	3		
	Issue	d By/Da	te 1st	Insp.	<u>c 8/</u>	<u> 29/9</u>	?(2nd Ins	sp			/	3rd Ins	p		FMA	Refe	er to FPI	в		
	At the	e time of	the ins	pection the k intervals	ose item	s marked	d in colum	nns 1, 2 or OK w	or 3	were fo	und to b	e in viola le or wer	ition and s	hall be co	rrected in	nmediate	ly. Re-in ection.	spection	is occu	r in	
	B-2: 0 schoo	eneral B Frooms f	usiness or those	es—office beyond the f equipment	, wholesa e 12th gra	ile and re ade, for le	tail stores	s. factori	es. v	orkshops	using m	aterials n	ot highly fl	ammable d	r combus	tible, drin	king/dini	ng estab an one e	lishmei mploye	nts, e is	
	GENE	RAL REQ	UIREME	NȚȘ AND 8	PECIAL H	ĄZARDS	and and a second	Sunana Palance	······································		hored La	***		n-remaind the standard	,,,,	Marie Carolina Caroli	And an and control (s. o)	, Noti		N/2	
* * *	2. 3. 5. 6.	Individua Trash ca Remove Maintain Maintain	ns used accumu 30" cle	address ic station tra for collec- lation of v earance of a or occup	sh cans s tion shall vaste ma combust ancv sen	shall be to be meta terial on ibles to haration	il of appropriet of control of appropriet of	oved eq of buildi ucing ap draft st	ual w ng. opliar ons.	vith a lid nces	877 1 793							***************************************	NA (1 2 3 5 6 11 12	
*	12. 14.	Maintain Keys nee	in opei	able condi access to	all-portion	remove ons of bu	an obstru illding are	curren	o fire Land	in Knox	Box.	Talle day	npers))	EZ.	Ŧ	‡:	14	
	EXITI			TS, BASED		CCUPAN'	r Load F	ACTOR O	F ON	E PERSO	N FOR E	ERY:	a sassii	iji ibalentu	er Sp.	SI, Liberto	Roktonus	*RESTORA			
		30 sq 50 sq 20 sq	uare fee uare fee uare fee	et—offices et—retail s et—retail s et—college et—confer	shops (gr shops (up e classro	per flooi oms	or) rs), librar	y, locke	r are	as, etc.			r vinnen en sko								
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	27. 28. 30. 31. 34.	Maximu Dead en If occup Exit doo Exit doo	m distand corridors and load or shall o	nce to an e ors may no d is over 5 not have exit paths	exit is 15 of exceed 0, doors dead bolt shall not	0' (unspr l 20'. must swi s or othe be obstr	inklered ling out; it or similar ucted.	building f over 1 devices	s) or 00 th	200' (sp ney must	only swi	$\{i_1,\dots,i_n\}$)							27 28 30 31 34 35	;
	36. 38. 40. 41.	Corridor If occup If occup All exit	s servin ant load ant load paths s	eath enclor g 30 or mo d exceeds d exceeds hall be ligh must also	ore shall 100, all o 300 the o sted at al	be 1 hr. exits exc exit signs L time th	rated with ept the m s shall be at the bu	h 20 mi nain entr illumina illding is	nute ance ated occi	self closi shall ha on a sepa upied. If	ng doors ve exit s arate circ separate	igns: ult. circuits	are require	d for the e	xit signs					36 38 40 41	1
	95. 44.	Maximu Interior	m occu stairwa	must also pant load s ys to be ra	sign is re ited 1 hr.	quired if for 3 or	less than 4,stories	50 peo , 2 hr./t	ple. (or hi	(Restaura gher buil	ints; Lou dings.	nges)							#	95 44	,
	45. 49. 50. 51. 55.	One 2A One add Extingu Extingu Fire pro All sprin Fire Der	10BC fi ditional ishers s ishers s tection akler va partmen	UIPMENT re extingui 40BC extin hall be eas hall be ser or detection t connection d portions	nguisher a ily acces viced and on system be locked on caps i	shall be sible, wanually, at shall to lin open n place a	provided, all mount iter use, a be extend position, and work	in all kit ed at a and whe ed alte access treely	icher heigh n ga red o ible i	is it not les uge indic r repaire and unob	s than 4 ates recl d as nece structed.	or more large ssary to	than 5' fromaintain.	om floor protection.					<u>-</u>	45 49 50 51 55 56 57 58	7
*	59.	Storage Storage Maintai	shall b shall b n syster Syst a A. Star	e maintain e maintain ms as follo I m Type Idpipes	ed at lea ed at lea	st 18" bo	elow sp rir	nkler he ing in ur <i>Inspa</i> i Ser	ads Isprir <i>cled /</i> ni-Ai	klered bi Serviced Inually			Tested Every	5 years 5 years					+	59 60 61)
	62. 63.	All com	mercial	engineered cooking s ventilation	hall have	a dry ch	emical sy maintai	Sér ystem p	rotec	inually &		tivation- urfaces		annually					<u>‡</u>	62 63	
	66. 67. 68.	Cords s Mainta	tinue us hall not in 30" c	EMENTS e of extens be affixed learance fi and sub-p	l to or ex onting a	tended t	hrough w d electric	alls, cei al contr	lings of pa	, floors o nels.; ; ; ;	runder	loors, no	منتللللا إلا	physical	damage.					66	В
	74.	AMABLE Discont No stor	inue us	e of liquids class 1A li	s with fla quids in t	sh point pasemen	below 11 ts.	i0°F for	clea	ning purp	oses.						==		+	74 75	4
***	87. 88. 89. 90.	To stor To stor For we For abo	e in exc e in exc Iding or ove arou	RED OR CO ess of 5 gress of 25 cutting to and flamma n excess of	allons of gallons o rch opera ıble liqui	flammab f combus itions. ds storag	ile liquds stible liqu je tanks.	inside o uds insid	or 10 de or	gallons o 60 gallo	outside. ns outsid	le.							#	8 8 9	89
* * *	91. 92. 93.	To oper	rate refi	n excess of igeration of tank in (quipmen	t.					•••								#	9	2

FIRE PREVENTION BUREAU

Correction Notice

Job Located at 8985 NGMall FFX French Claners.

This job site has been inspected and has been found to be in violation of the applicable laws and ordinances of the City of San Rafael or the State of California. You are hereby notified that final approval will not be given (unless conditionally signed for below) until all of the violations are corrected and said corrections have been witnessed and initialed by the Fire Department. When the corrections have been made, call 485-3308 for a re-inspec-This notice has been placed conspicuously near the Building Department sign off card for the job and

to Section 3.104 of the Uniform Fire Code, it sha	ll not be
removed or altered except by the Fire Department.	
() O Install one 24 IOBC Five Exting	Justel
2) Sprinker system coverage does	101
Marie 1	9,16,
MINIOR FUL 2.5.88	
4	
Date 10:30:87 By Soust Craige	
Fire Department	
Conditional Certificate of Occupancy Approved By	
cc: Fire Department	1+

Building Department

FIELD INSPECTION CHECKLIST SPRINKLER SYSTEMS

ADDRESS 9000 Novth	bate mall - Sears	•
UNDERGROUND INSPECTION	By:	Date:
UNDERGROUND HYDRO	" By:	DATE:
UNDERGROUND FLUSH	Ву:	DATE:
OVERHEAD HYDRO	By:	DATE:
OVERHEAD INSPECTION	By:	DATE:
ALARM INSPECTION	By:	DATE:
ALARM TEST	By:	
U.L. CERTIFICATE ISSUED YES	s: No: Date Issued:	By:
PLANS REVIEWED	Ву:	
PERMIT APPLICATION YES	s: No: Date Issued:	
	<u> </u>	
	OTHER SYSTEMS	
SYSTEM INSPECTION	BY:	DATE:
SYSTEM FUNCTIONAL TEST	Ву:	DATE:
PLANS REVIEWED	By:	
PERMIT APPLICATION YE	ES: No: DATE ISSUED:	By:
	<u>FLAMMABLE LIQUIDS TANKS</u>	
TANKS INSPECTED	BY:	DATE: U.L. #:
TANK CAPACITY		U.L. #:
PRESSURE TESTED	BY:	DATE:
PIPING INSPECTED		DATE:
PIPING TESTED		DATE:
PLANS REVIEWED	By:	DATE:
PERMIT APPLICATION Y	'Es: No DATE ISSUED:	
	FLAMMABLE LIQUID TANK REMOVAL/ABANDON	
TANK PRESSURE TEST - COMPANY	NAME NA	IN PLACE
WITNESSED	Dv.	DATE:
PIPING DISCONNECTED		
	TANK UL	# unable to locate
TANK STEAM CLEANED OR TRIPLE RINSED WITH PRESSURE H20, CHEMICAL OR TSP		<u> </u>
		1/26/87
TANK FREED OF VAPORS		1/26/87
METHOD USED		
HYDRO CARBON READING		ING ? NO O2 meter
	· · · · · · · · · · · · · · · · · · ·	
	onejo Road	
TANK HAULER HAH SMIP		HWH # 900 849
ADDRESS/DESTINATION	ļ · · · · · ·	
WASTE HAULER Seave	ID OR EPA # _	CAD 000 313 445
ADDRESS/DESTINATION	N	
PERMIT APPLICATION BY JovestCraia	YES X NO DATE ISSU	
DI JUNEATICALA	MARIN COUNTY F.H. PERMIT #	n K

Remarks:

FP-1 (Revised 2/80)

SITY OF

APPLICATION/PERMIT Date: 1/22/87 Address/Location: 9000 Northeate Mall Business Owner(s): _ Sears Address: 9005. FREMONT AVE Alhambra (City) (State) (Phone Contractor (When applicable): Balch Petrolium/KE CURTIS CONSTOR Newbury PARK, CA Address: (City) (Phone) (Street) State License No. 396575B Type: A City Business Lic. No.: NA-U. F. C. Section Type of Permit Application of Flammable Finishes 45.102 47.102 Fumigation and Thermal Insecticidal Fogging 74.103 Compressed Gases 75.103 ___ Cryogenic Fluids 77.104 Explosives and Blasting Agents 78.102 ___ Fireworks Flammable Liquids (Storage/Handling) 79.103 80.102 Hazardous Chemicals 81.103 High-Piled Combustible Stock Liquefied Petroleum Gases 82.103 X Other Underground Tank Removal 79:103 1 TANK 500 gallon - Waste Hotor OI To comply w/ FiD, Std No. 310 FOR FIRE DEPARTMENT USE Plans submitted: Approved by: _____ Date: Field Inspection: By: Fcraig Date: 1/26/87 By: _____ Date: ____ Date: 1/26/87 Final approval by: 3 ment MCING 870 Permit number: Permit fee: # 30.00 Date paid: 1/22/

SAN RAFAEL COMMUNITY DEVELOPMENT DEPT.

BUILDING AND SAFETY DIVISION
1400 FIFTH AVENUE - PO BOX 151560 - SAN RAFAEL - CA 94915-1560 PHONE 415 485-3365

PERMIT NO 50410 -064 DATE RECEIVED	DATE ISSUED 10-18-04 MAIL PERSON
APPLICANT INFORMA	TION (Please Type or Print)
JOB ADDRESS 9000 NORTHHATE MAIL	PLANS SUBMITTED Y88 No No
ASSESSOR'S PARCEL	PLANS PREPARED BY
OWNER SEARS ROBBUCK Building	ADDRESS
ADDRESS 3333 BALLEKY BANG	CONSTRUCTION LENDER
CITY Hoffmator Setates PHONE 920-854- 3847	VALUATION \$
CONTRACTOR WATEON 12 CONTINC.	DESCRIPTION OF WORK Pe Recof
ADDRESS \$185 LONGLING DO	DESCRIPTION OF WORLD
CITY SACRAMENTO CA PHONE 516-481 6293	:
STATE LIC.# 402258. CITY LIC.#	
the standard that I have read this application and that it is o	orrect and agree to comply with all City ordinances and State laws regulating
building construction.	· · · · · · · · · · · · · · · · · · ·
and judgments resulting from this permit.	n Rafael, its officers and duty appointed representatives against all liabilities
I heroby certily that I am properly registered and/or licensed as requirements from the Contractor License Laws of the State of galifornia under S	ection 7031.5 of the Business and Professional code. Date Date
Signature of Permittee	Date
Signature of Permittee OFFICE US	
NOTES OFFICE US	E ONLY COOLPANCY
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior	COCUPANCY A B E F H
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior to issuance of permit or inspector unable to gain entry to job	E ONLY COOLPANCY
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SAN RAFAEL COMMUNITY DEVELOPMENT DEPT.

BUILDING AND SAFETY DIVISION
1400 FIFTH AVENUE - PO BOX 151560 - SAN RAFAEL - CA 94915-1560 PHONE 415 485-3365

APPLICATION FOR MECHANICAL PERMIT

PERMIT NO. M 0 ro 2017 DATE RECEIVED -2-15-	D L	DATE ISSUED 2-(1-02 MAIL	PERSON	区
JOB ADDRESS 900 WORTHGATE MALL	NO.	SCHEDULE OF FEES	EACH	FEE
MECHANICAL CONTRACTOR (ALL-AC)		ISSUANCE OF PERMIT	÷	17.25
ADDRESS 3555 ALRWAT BL		IN ADDITION FOR INSTALLATION, RELOCATION OR REPLACEMENT OF :		
CITY S. P. N. TA . R. O.S. O. PHONE (707.1 547-1059		HEATING GAS APPLIANCE NOT OVER 100,000 BTU	10.35	
STATE LIC.# CITY BUS. LIC.#		HEATING GAS APPLIANCE OVER 100,000 BTU	12.65	
I hereby acknowledge that I have read this application and that		RESIDENTIAL COOLING UNIT (OTHER THAT PORTABLE)	10.35	
the information is correct and agree to comply with all city ordinances and state laws regulating work governed by this		COMMERCIAL GAS COOK RANGE	7.50	
permit.		FOOD PREPARATION GAS APPLIANCE - NOT HEREIN LISTED	7.50	
I hereby agree to save, indemnify and keep harmless the City of San Rafael, its officers and duly appointed representatives		AIR HANDLING UNIT EXCEEDING 10,000 CFM	12.65	
against all liabilities and judgements resulting from this permit.		VENTILATION FAN	5.25	`
CHECK THE APPROPRIATE STATEMENT		GAS APPLIANCE - NOT HEREIN LISTED	7.50	
I hereby certify that I am properly registered and/or licensed as required by San Rafael and the State of California		SUPPLY AND RETURN AIR OUTLETS EA.	1.15	
I hereby certify that I am exempt from the Contractors License Laws of the State of California under Section 7031.5		GAS VENT EA.	5.25	
of the Bus. and Prof. Code		VENTILATING DUCTS	7.50	
Signature of Permittee KA 2 . Af		COMMERCIAL HOOD, DUCTS & BLOWER	7.50	
		RESIDENTIAL HOOD & DUCT	7.50	
NOTES 1 A Reinspection is an inspection made necessary by		CHIMNEYS (SOLID FUEL)	7.50	
failure to complete corrections noted on initial		REFRIGERATION UNIT (COMMERCIAL)	10.35	
inspection or extra work that cannot be inspected under original permit inspections.	1	BOILER COMPRESSOR, PACKAGED HEATING COOLING UNIT, ABSORPTION SYSTEM	<u> </u>	
2 This permit becomes null and void if the work is not		NOT OVER 3 HP OR 100,000 BTU's	10.35	ř.
commenced within one-hundred-eighty (180) days or is abandoned for a period of one-hundred-eighty		NOT OVER 15 HP OR 500,000 BTU's	19.00	
(180) days. Application for refund must be submitted within one-hundred-eighty (180) days		NOT OVER 30 HP OR 1,000,000 BTU's	25.90	
from date of issuance.		NOT OVER 50 HP OR 1,750,000 BTU's	38.50	†
3 24 hour notice required for inspections.		OVER 50 HP OR 1,750,000 BTU's	64.50	
4 Mechanical code is the Uniform Mechanical Code. Copies available at City Treasurer's Office.		EACH APPLIANCE OR PIECE OF EQUIPMENT REGULATED BY THIS CODE FOR WHICH NO FEE IS LISTED	7.50	*
5 Late permits will be assessed a double fee with	·	SPECIAL INSPECTION OR INVESTIGATION TO DETERMINE CODE COMPLIANCE PER HOUR (\$34.50 MINIMUM)	34.50	
minimum of \$103.50		EACH REINSPECTION	34.50	
		GAS PIPING	3.45	
n		MINIMUM FEE \$51.75		
PERMIT ISSUED BY:		1/92 TOTAL \$		<u>• </u>

SAN RAFAEL COMMUNITY DEVELOPMENT DEPT. BUILDING AND SAFETY DIVISION

1400 FIFTH AVENUE - PO BOX 151560 - SAN RAFAEL - CA 94915-1560 PHONE 415 485-3365

PERMIT NO. عداده المحادثة PERMIT NO. عداده المحادثة PERMIT NO. عداده المحادثة PERMIT NO. عداده المحادثة المحاد	DATE ISSUED 8-17-01 MAIL PERSON
APPLICANT INFORMA	TION (Please Type or Print)
JOB ADDRESS 9000 NORTHEATE DR	PLANS SUBMITTED Yes No
ASSESSOR'S PARCEL	PLANS PREPARED BY DECETT
OWNER STARS ROEBUCK	ADDRESS 9000 KONTHGATE MAU
ADDRESS 9000 NORTHSATE DR	CONSTRUCTION LENDER
CITY AN MATAEL PHONE 507-235/	
CONTRACTOR N/A OWNER	VALUATION \$
ADDRESS	DESCRIPTION OF WORK
CITY PHONE	Bhoch off Two SETS OF
STATE LIC.# CITY LIC.#	DOORS & Build ONS WALL
0111 E10.W	
	orrect and agree to comply with all City ordinances and State laws regulating
building construction.	
I hereby agree to save, indemnity and keep harmless the City of Sal and judgments resulting from this permit.	n Rafael, its officers and duly appointed representatives against all liabilities
I hereby certify that I am properly registered and/or/licensed.asTequi	red by the City of San Refael and the State of California or that I am exempt
from the Contractor License Laws of the State of California ynder S	ection 7031.5 of the Business and Professional code.
	2/17/21
Signature of Permittee	100505 Date 8/17/01
Signature of Permittee Sinus OFFICE USE	
	ONLY
NOTES *Extra Inspections* are inspections necesitated by failure to make noted	
NOTES OFFICE USE	ONLY OCCUPANCY A B E F H I M R S U
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior	ONLY OCCUPANCY A B E F H
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August 02, 2001

To:

Building Commission

San Rafael, CA.

From:

Sears San Rafael unit #1528

C/O Dennis Puccetti 9000 Northgate Mall San Rafael, CA. 94903

Re:

Building Remodel Proposal

To Whom It May Concern:

In the effort for us here at Sears in San Rafael, to control the ongoing problem of inventory loss and merchandise selection availability, we are planning to do some minor building remodeling.

This letter is our stores proposal for the following planned building remodel for Sears at Northgate Mall.

Please find enclosed with this letter a map that shows the areas of the building that we plan to remodel.

Refering to the map:

Green Area "A"

This area we plan to lock the existing customer entrance doors and construct a wall that will completely cover and block the fore mentioned entrance. From the map if you look directly to the left you will see a door that will act as an emergency exit door. On this door we will install a time delayed crash bar that will, in an emergency, allow customers and associates access to the exterior of the building.

. .



9000 Northgate Mall San Rafael, CA 94903 415-507-2300 FAX: 415-479-1306

Green Area "B"

This area of the store our plan is to completely lock and secure two (2) of the existing customer entrance doors. Then with the other two (2) remaining doors we plan to install time delayed crash bars. Our intent with this plan is to completely restrict access through these doors from both customers and associates.

The forgoing is our proposed building remodel plan, and we at Sears are seeking your review and approval so that we may expedite these plans as soon as possible.

We would like to thank you in advance for your careful consideration in this very important matter.

Sincerely,

Dennis Puccetti

Director of Operations

Sears San Rafael

SAN RAFAEL COMMUNITY DEVELOPMENT DEPT. BUILDING DIVISION

1400 FIFTH AVENUE - PO BOX 151560 - SAN RAFAEL . CA 94915-1560 PHONE (415) 485-3365

1 4	
	98 DATE ISSUED 2-10-98 MAIL PERSON
APPLICANT INFORMA	TION (Please Type or Print)
JOB ADDRESS POUD NORTHGATE MALL	PLANS SUBMITTED Yes No No
ASSESSOR'S PARCEL	PLANS PREPARED BY
OWNER SEZIES	ADDRESS
ADDRESS GUCO NEW THENTE AV	CONSTRUCTION LENDED
CITY PHONE 415 50 72300	<u>-</u>
CONTRACTOR WM P. METXNERS SONS	VALUATION \$
ADDRESS 5316 CLIPT SIDE GROWN	DESCRIPTION OF WORK (1) INTEROCULON
CITY VENTURA CA PHONE 805 6477008	BEDRING WALL CALINDREPAIRE
STATE LIC.# TON 34 CITY LIC.# 70H 34	LIGHT SUITOR
I hereby acknowledge that I have read this application and that it is construction.	orrect and agree to comply with all City ordinances and State laws regulating
I hereby agree to save, indemnify and keep harmless the City of San and judgments resulting from this permit.	n Rafael, its officers and duly appointed representatives against all liabilities
, 1	the the City of Cas Beloat and the State of California or that I am example
I hereby certify that I am properly registered and/or licensed as require	ed by the City of San Maiaei and the State of Camorina of that I am exempt
from the Contractor License Laws of the State of California Library Se	ection 7031.5 of the Business and Professional code.
I hereby certify that I am properly registered and/or licensed as require from the Contractor License Laws of the State of California in the Se Signature of Permittee	ection 7031.5 of the Business and Professional code. Date
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Signature of Permittee OFFICE USE NOTES	Date ONLY OCCUPANCY
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SAN RAFAEL PUBLIC WORKS

BUILDING DEPARTMENT

1400 FIFTH AVENUE · PO BOX 151560 · SAN RAFAEL . CA 94915-1560

PHONE (415) 485-3365

PERMIT NO. 43433 DATE RECEIVED 65	-97 DATE ISSUED 6:5-97 MAIL PERSON
9000 APPLICANT INFORMA	ATION (Please Type or Print)
JOB ADDRESS PACO NO RYHGATE	PLANS SUBMITTED Yes No
ASSESSOR'S PARCEL	PLANS PREPARED BY
OWNER SEARS	ADDRESS
ADDRESS PONORTH GATE	CONSTRUCTION LENDER
CITY SAN RAFAEL PHONE	. •
CONTRACTOR WILLIAM R. MERCUERES	VALUATION \$ 17/1 38,000 %
ADDRESS 835050LAND ST	DESCRIPTION OF WORK
CITY LENTURA CA PHONESOS 647700	BRETAIL T.L. ALTER PLENTION
STATE LIC.# 701134 CITY LIC.#	WALLS ETE SNEW WALLS
I hereby acknowledge that I have read this application and that it is a building construction.	correct and agree to comply with all City ordinances and State laws regulating
	in Rafael, its officers and duly appointed representatives against all liabilities
and judgments resulting from this permit.	ired by the City of San Rafael and the State of California or that I am exempt
from the Contractor License Laws of the State of California under S	Section 7031.5 of the Business and Professional code.
Signature of Permittee + G Schlum	Date 6-5-97
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SAN RAFAEL PUBLIC WORKS BUILDING DEPARTMENT 1400 FIFTH AVENUE · PO BOX 151560 · SAN RAFAEL CA 94915-1560

APPLICATION FOR **BUILDING PERMIT**

PHONE (415) 485-3365

PERMIT NO. 41740 DATE RECEIVED	DATE ISSUED 120/96 MAIL PERSON
APPLICANT INFORMA	TION (Please Type or Print)
JOB ADDRESS 9000 NOKTHG-ATE	PLANS SUBMITTED Yes No 4
ASSESSOR'S PARCEL	PLANS PREPARED BY
OWNER SEARS	ADDRESS
ADDRESS 9000 NORTH G-BTE	
CITY SAW PAFARAPHONE	CONSTRUCTION LENDER
CONTRACTOR SWELVEON CONSTR. CO. LNC	VALUATION \$ 500000
ADDRESS 1701 FORTUNE DR. SUITE B	DESCRIPTION OF WORK TENSOY I MICHOSTEMBE
CITY SAX JOSE PHONE 408-434-1686	
STATE LIC.# 430341. CITY LIC.#	
I hereby acknowledge that I have read this application and that it is obuilding construction.	orrect and agree to comply with all City ordinances and State laws regulating
I hereby agree to save, indemnify and keep harmless the City of Sar and judgments resulting from this permit.	n Rafael, its officers and duly appointed representatives against all liabilities
I hereby certify that I am properly registered and/or licensed as requi	red by the City of San Rafael and the State of California or that I am exempt
from the Contractor License Laws of the State of California under S	ection 2031.5 of the Business and Professional code.
Signature of Permittee	Date 6-49-9.6
OFFICE USE	
	ONLY OCCUPANCY A B E F H I M R S U
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior	ONLY OCCUPANCY A B E F H
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SAN RAFAEL PUBLIC WORKS BUILDING DEPARTMENT 1400 FIFTH AVENUE · PO BOX 151560 · SAN RAFAEL . CA 94915-1560

PHONE (415) 485-3365

PERMIT NO. 41.45-1- DATE RECEIVED 21. FEB.	LE DATE ISSUED 5-2-2 MAIL PERSON
APPLICANT INFORMA	TION (Please Type or Print)
JOB ADDRESS 9000 NORTHGATE MALL	PLANS SUBMITTED Yes No 1
ASSESSOR'S PARCEL	PLANS PREPARED BY CCS ARCH'TS - RUPY JUREACIC
OWNER JUFFY LUBE	ADDRESS 2450 DUPONT DR., IRVING, CA'
ADDRESS 7525 N.E. AMBRISADOR PL - M.	
CITY POPERTURE, OR 97220 PHONE (503) 287-9224	CONSTRUCTION LENDER
CONTRACTOR SIBRILA CONTRACTING	valuation \$ 45,000 ±
ADDRESS 934 S. ANDRUAGON DR - F	DESCRIPTION OF WORK TENANT IMPROVEMENT
CITY EXCONDIDO (A-92029 619-745-8769	JIFFY LUBE
STATE LIC.# X 689329 CITY LIC.#	
STATE LIG.# CITY LIG.#	·
I hereby acknowledge that I have read this application and that it is c	orrect and agree to comply with all City ordinances and State laws regulating
building construction.	
I hereby agree to save, indemnify and keep harmless the City of Sar and judgments resulting from this permit.	n Rafael, its officers and duly appointed representatives against all liabilities
I hereby certify that I am properly registered and/or licensed as requifrom the Contractor License Laws of the State of California under St	red by the City of San Rafael and the State of California or that I am exempt
\mathcal{A}	Date 5/2/56
Signature of Permittee	Date/
OFFICE USE	ONLY
NOTES "Extra Inspections" are inspections necesitated by failure to make noted	OCCUPANCY
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SAN RAFAEL PUBLIC WORKS BUILDING DEPARTMENT 1400 FIFTH AVENUE · PO BOX 151560 · SAN RAFAEL , CA 94915-1560

PHONE (415) 485-3365

PERMIT NO. 408523 DATE RECEIVED 1-21	-95 date issued $-4/-30-9$ mail person \square
9000 APPLICANT INFORMA	TION (Please Type or Print)
JOB ADDRESS NORTH GATE THA! LOUSKEY. AND ROOM NEW CONFERENCE AREA	PLANS SUBMITTED Yes No
ASSESSOR'S PARCEL	PLANS PREPARED BY
OWNER SEARS	ADDRESS
ADDRESS Forth Gate 777 ull	CONSTRUCTION LENGTO
CITY SAW RAFAEL PHONE \$15 507-2800	CONSTRUCTION LENDER
CONTRACTOR WEGAT + CO	valuation \$ 11. K
ADDRESS 1073 Shary Cir	DESCRIPTION OF WORK ERRECT Approximately
CITY COUCER & CAPHONE (510) 798-8478	90 Lin Feet of Partition Walls
STATE LIC.# 5683.97. CITY LIC.#	inclosing and or seperating
	Agristmy Walls
I hereby acknowledge that I have read this application and that it is obuilding construction.	correct and agree to comply with all City ordinances and State laws regulating
I hereby agree to save, indemnify and keep harmless the City of Sal and judgments resulting from this permit.	n Rafael, its officers and duly appointed representatives against all liabilities
I hereby certify that I am properly registered and/or licensed as requi	red by the City of San Rafael and the State of California or that I am exempt
from the Contractor License Laws of the State of California under S	ection 7031.5 of the Business and Professional code.
Signature of Permittee Russ Lucy	Date 11-21-95
OFFICE USE	
NOTES OFFICE USE	
OFFICE USE	ONLY CCCUPANCY A B E H
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SAN RAFAEL PUBLIC WORKS BUILDING DEPARTMENT 1400 FIFTH AVENUE • PO BOX 151560 • SAN RAFAEL , CA 94915-1560 PHONE (415) 485-3365

FRONE (415) 405-3003		
PERMIT NO. 39017 DATE RECEIVED - 10	DATE ISSUED - 10-21-97	/MAIL PERSON
APPLICANT INFORMA	TION (Please Type or Print)	
JOB ADDRESS 9000 NORTHGATEMALL	PLANS SUBMITTED Ye	s No 🔲
ASSESSOR'S PARCEL	PLANS PREPARED BY ARCHIT	
OWNER SEARS	ADDRESS 17711 MITCHE	LL NOATH SUITIEB
ADDRESS 9000 NORTHGATE MALL	CONSTRUCTION LENDER NO.	
CITY SALV RAPARLPHONE 415-507-2351	valuation \$ 20,000	
CONTRACTOR SWENSON CONSTR. CO.		
ADDRESS 1701 FORTUNE DRYSUITEB	DESCRIPTION OF WORK 1-1-7	TERATIONS
CITYSAIY JOSE PHONE 498 434-1686	TO MALL ENTRA	HNCE
STATE LIC.# 430341. CITY LIC.#		
I hereby acknowledge that I have read this application and that it is o building construction.	orrect and agree to comply with all City ordinance	es and State laws regulating
I hereby agree to save, indemnify and keep harmless the City of Sai and judgments resulting from this permit.	n Rafael, its officers and duly appointed represen	tatives against all liabilities
I hereby certify that I am properly registered and/or licensed as required from the Contractor License Laws of the State of California under-S	red by the City of San Rafael and the State of Ca	difornia or that I am exempt
I from the Contractor License Laws of the State of California unique-S	ection /U31.5 of the Business and Professional C	OCE.
Signature of Permittee		9-27-94
	Date	
Signature of Permittee	ONLY	
Signature of Permittee OFFICE USI NOTES "Extra Inspections" are inspections necesitated by failure to make noted	Date	
Signature of Permittee OFFICE USI	ONLY OCCUPANCY	9-27-94
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SAN RAFAEL PUBLIC WORKS
BUILDING DEPARTMENT

1400 FIFTH AVENUE • PO BOX 151560 • SAN RAFAEL , CA 94915-1560
PHONE (415) 485-3365

PERMIT NO. 37774 DATE RECEIVED 11-23-93 DATE ISSUED 1-4-94 MAIL PERSON		
APPLICANT INFORMATION (Please Type or Print)		
JOB ADDRESS 9000 NOATHGATE	PLANS SUBMITTED Yes No	
ASSESSOR'S PARCEL	PLANS PREPARED BY FRANCIS + AND ENSOW	
OWNER SEAMS ROEBUCK & CO.	ADDRESS 115 S. OCIVE, OMANGE, CA 92666	
ADDRESS	CONSTRUCTION LENDER	
CITY PHONE		
CONTRACTOR SWENSEN CONST.	valuation \$170,000	
ADDRESS 1701 Fortune Dr Suite B	DESCRIPTION OF WORK MODIFICATION OF	
CITY San Jose PHONE (408)434-1686	INTERIOR PARTITIONS AND DISPLAY	
STATE LIC.# 430391. CITY LIC.#	OF RETAIL (EXISTING) ANEA.	
I hereby acknowledge that I have read this application and that it is obuilding construction.	orrect and agree to comply with all City ordinances and State laws regulating	
I hereby agree to save, indemnify and keep harmless the City of San Rafael, its officers and duly appointed representatives against all liabilities and judgments resulting from this permit. I hereby certify that I am properly registered and/or licensed as required by the City of San Rafael and the State of California or that I am exempt from the Contractor License Laws of the State of California under Section 7031.5 of the Business and Professional code. Signature of Permittee		
Signature of Permittee	Date 10.0. 23, 1793	
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SAN RAFAEL PUBLIC WORKS BUILDING DEPARTMENT 1400 FIFTH AVENUE • PO BOX 151560 • SAN RAFAEL , CA 94915-1560

PHONE (415) 485-3365

PERMIT NO 37245 DATE RECEIVED 6.3-93 DATE ISSUED 8/3/13 MAIL PERSON 2		
APPLICANT INFORMATION (Please Type or Print)		
JOB ADDRESS 9000 NORTHGATE	PLANS SUBMITTED Yes No No	
ASSESSOR'S PARCEL	PLANS PREPARED BY ROBERT HOLM	
OWNER SEAKS	ADDRESS 88 F BEWEDERE St. San Rafi	~=./
ADDRESS 9000 NORTHGATE		
CITY SALI PAFAEL PHONE 507-2300	CONSTRUCTION LENDER NONE	
CONTRACTOR CORNELL CONST.	valuation \$ 32,000	
ADDRESS 35 EAST 15th St.	DESCRIPTION OF WORK BALHROOM REMOD	EL
CITY AN +100 H PHONE 5/2) 754-657/	APA.	
STATE LIC.#556283 CITY LIC.#		
STATE LIC.# \$2200000 CITY LIC.#		
I hereby acknowledge that I have read this application and that it is o	orrect and agree to comply with all City ordinances and State laws regulating	7
building construction.	grand and a second a second and a second and a second and a second and a second and	
I hereby agree to save, indemnify and keep harmless the City of Sar and judgments resulting from this permit.	Rafael, its officers and duly appointed representatives against all liabilities	
	red by the City of San Rafael and the State of California or that I am exempt	ŀ
from the Contractor License Laws of the State of California under S	/)	
Signature of Permittee	Date 6-3-93	
Signature of Permittee OSMELL OFFICE USE		
NOTES OFFICE USE		
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior	ONLY	
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SAN RAFAEL PUBLIC WORKS BUILDING DEPARTMENT 1400 FIFTH AVENUE · PO BOX 151560 · SAN RAFAEL , CA 94915-1560

PHONE (415) 485-3365

PERMIT NO. 37925 DATE RECEIVED (209)	DATE ISSUED 2 2 MAIL PERSON
APPLICANT INFORMA	TION (Please Type or Print)
JOB ADDRESS 9000 North GATE MALL	PLANS SUBMITTED Yes_ No
ASSESSOR'S PARCEL	PLANS PREPARED BY GARGE-Kel + GONZALS
OWNER Sears	ADDRESS 260 Churchill Ave Pala ALTO CA.
ADDRESS	CONSTRUCTION LENDER
CITY PHONE	CONSTRUCTION LENDER
CONTRACTOR Sweason Construction	VALUATION \$ 100,000.
ADDRESS 1701 FORTURE Or	DESCRIPTION OF WORK RETAIL TI WORK
CITY SA- JOSE PHONE 408-434-1686	
STATE LIC.# 430341 CITY LIC.#	
·	
I hereby acknowledge that I have read this application and that it is c building construction.	orrect and agree to comply with all City ordinances and State laws regulating
I hereby agree to save, indemnify and keep harmless the City of Sar and judgments resulting from this permit.	n Rafael, its officers and duly appointed representatives against all liabilities
I hereby certify that I am properly registered and/or licensed as requi	red by the City of San Rafael and the State of California or that I am exempt
from the Contractor License Laws of the State of California under S	ection 7031.5 of the Business and Professional code.
Signature of Permittee D. Casta	Date 6-30-93
OFFICE USE	ONLY
,	
NOTES	
"Extra Inspections" are inspections necesitated by failure to make noted	OCCUPANCY
· .	OCCUPANCY A B E H
"Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior	OCCUPANCY
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APPLICATION FOR BUILDING PERMIT AEL SAN BAFAEL (41.5) 1485-3365 PUBLIC WORKS

CITY of SAN RAFAEL

1400 FIFTH AVENUE, P.O. BOX 60, SAN RAFAEL

CALIFORNIA 94915-0060

(415) 485-3365

PERMIT NUMBER 29614 JOB ADDRESS (-9000 Northgate Mall ASSESSOR'S PARCEL APPLICANT TO FILL IN WITHIN HEAVY LINES TYPE OR PRINT OWNER Sears, Roebuelt & Co. ADDRESS -9000 Northgate Mall (Garden Shop) CITY San Rafael PHONE 456-9091	DATE RECEIVED 2-3-87 DATE ISSUED 2-9-87 BUILDING PERMIT FEE. SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS
CONTRACTOR Phillipss Construction Co. ADDRESS 34 Branching Way CHY Petaluma, Ca. 94952 PHONO7)763-1551 CHY LIC. NO. STATE LIC. NO. 184033 PLANS SUBMITTED YES X NO.	OCCUPANCY. A.1 A.2-2.1-3-4 E I H .B.1.2.3. B.4 R.1 R.3 M CONSTRUCTION I II III IV V NO OF STORIES: FLOOR AREA (MAIN BUILDING) NO. OF UNITS FLOOR AREA (GARAGE) ACCESS. BLDG.
ADDRESS 2143 Francisco Blvd., Ban Rafael CONSTRUCTION LENDER. NONE	DESCRIPTION OF WORK TENANT TIMP DEMISING WALL
Ehereby acknowledge that I have read this application and state that the above is correct and agree to comply with all City ardinances and State laws regulating building construction. Thereby agree to save, indemnity, and keep harmless the City of San Ratael, its officers, and duly appainted representatives against all liabilities and judgments resulting from this permit.	PLAN CHECKED BY: DATE: 2 7 57 THE FOLLOWING CONDITIONS TOGETHER WITH THE SUBMITTED PLANS AND/OF SPECIFICATIONS ARE MADE A PART OF THIS PERMIT:
THIS PERMIT EXPIRES AND BECOMES NULL AND VOID IF THE WORK IS NOT COMMENCED WITHIN 18(DAYS, LOCATION OF THE STRUCTURE ON	
THE PROPERTY IS THE RESPONSIBILITY OF THE PERMITTEE.	ISSUED BY:

APPLICATION FOR BUILDING PERMIT DEPARTMENT OF PUBLIC WORKS LAND DEVELOPMENT DIVISION OF RM. 300

ZAEIFORNIA 94915-0060	
PERMIT NUMBER 3500 NORTHQATE MAIL	DATE RECEIVED 1-12-87 DATE ISSUED 1-12-8 VALUATION S 31,600
ASSESSOR'S PARCEL	BUILDING PERMIT FEE 202.00
APPLICANT TO FILL IN WITHIN HEAVY LINES, TYPEORPRINT	PLAN CHECK FEE
OWNER SEARS ROEBUCK AND CO.	PLAN RETENTION FEE
ADDRESS 9000 NORTH99TO MA 11	3.M.r
CITY SAN RAFAS / PHONE 472-367C	205.1C
CONTRACTOR Wedge Roofing, Inc.	
ADDRESS P. O. Box 821	OCCUPANCY. A.1 A.2— 2.1-3-4 E 1 H B.1.2.3. B.4 R.1 R.3 M
CITY Novato PHONE 897-6168	
CITY LIC. NO. 14567 STATE LIC. NO. 416737	FLOOR AREA (MAIN BUILDING) NO. OF STORIES:
PLANS SUBMITTED YES NO 🖾	FLOOR AREA (GARAGE)ACCESS. BLDG,
IS PREPARED BY	DESCRIPTION OF WORK:
ADDRESS	ME ROOFING
CONSTRUCTION LENDER WOULD	
Nowl valuation \$ 31,600.00	PLAN CHECKED BY: DATE:
I hereby acknowledge that I have read this application and state that the above is correct and agree to comply with all City ordinances and State laws regulating building construction.	THE FOLLOWING CONDITIONS TOGETHER WITH THE SUBMITTED PLANS AND/OF SPECIFICATIONS ARE MADE A PART OF THIS PERMIT:
I hereby agree to save, indemnity, and keep harmless the City of Stin Rofael, its officers, and duly appainted representatives against all hirbilities and judgments resulting from this permit.	
FIRM NAME Wedge Roofing, Inc.	TIMMED 8 DO
BY: May	
	33
THIS PERMIT EXPIRES AND BECOMES NULL AND VOID IF THE WORK IS NOT COMMENCED WITHIN 1800AYS, LOCATION OF THE STRUCTURE ON	
THE PROPERTY IS THE RESPONSIBILITY OF THE PERMITTEE.	
	ISSUED BY
ISTRIBUTION:	(P)

ATTACHED AND PART OF THIS APPLICATION

APPLICATION FOR BUILDING PERMIT DEPARTMENT OF CITY of SAN RAFAEL WORKS (415) 485-3365 1400 FIFTH AVENUE, P.O. BOX 60. SAN RAFASI AND DEVELOPMENT DIVISION & RM. 300 CALIFORNIA 94915-0060 PERMIT NUMBER 25760 DATE RECEIVED -JOB ADDRESS 9000 NORTHO-ATE SHOPPING- CNTK BUILDING PERMIT FEE. ASSESSOR'S PARCEL PLAN CHECK FEE ... APPLICANT TO FILL IN WITHIN HEAVY LINES - TYPE OR PRINT PLAN RETENTION FEE OWNER SEARS, ROERUCK + CO SMIP ADDRESS 9000 NORTH FATE SHOPPING CNTH CITY ORD #1046 CITY SAIV RAFAEL PHONE 472-3670 CONTRACTOR SCUENSON CONSTR CO. INC. OCCUPANCY. A.1 A.2 - 2.1 - 3 - 4ADDRESS 1701 FORTUNE DR., SUITE G B. 1.2.3. R.4 CITY SAN JOSE, CA 95131 PHONE 400 434-1686 CONSTRUCTION NO. OF STORIES: NO.of UNITS FLOOR AREA (MAIN BUILDING YES 🛣 NO 🗌 PLANS SUBMITTED FLOOR AREA (GARAGE)_____ACCESS. BLDG. DESCRIPTION OF WORK: TENANT IMPROVEMENT IST FLOOR PORTRAIT STUDIO ADDRESS CONSTRUCTION LENDER: VALUATION \$ 8,00000 DATE PLAN CHECKED BY: THE FOLLOWING CONDITIONS TOGETHER WITH THE SUBMITTED PLANS AND/OF I hereby acknowledge that I have read this application and state that the above is correct and agree SPECIFICATIONS ARE MADE A PART OF THIS PERMIT: to comply with all City ordinances and State laws regulating building construction. I hereby agree to save, indeninity, and keep harmless the City at San Rotael, its officers, and duly appointed representatives against all liabilities and judgments resulting from this permit. FIRM NAME SCUR NON CONSTR. CO.INC THIS PERMIT EXPIRES AND BECOMES NULL AND VOID IF THE WORK IS NOT COMMENCED WITHIN 18(DAYS, LOCATION OF THE STRUCTURE ON

DISTRIBUTION:
WHITE-FILE PINK-ASSESSOR
YELLOW-APPLICANT ORANGE-FIRE DEPT

THE PROPERTY IS THE RESPONSIBILITY OF THE PERMITTEE.





ISSUED BY

APPLICATION FOR BUILDING PERM

CITY OF SAN RAFAEL

(415) 485-3365

DEPARTMENT OF DUBLIC V

CALIFORNIA 94915-0080	
PERMIT NUMBER 24142	DATE RECEIVED 1-16-50
JOB ADDRESS 9000 NORTHERE MAKE	DATE ISSUED 1-24 86 VALUATION S 1000
ASSESSOR'S PARCEL 175-060-40	PLAN CHECK FEE 52.30
APPLICANT TO FILL IN WITHIN HEAVY LINES - TYPEOR PRINT	500
OWNER SCARS	PLAN RETENTION FEE.
ADDRESS 9000 NORTH GATE SHOPING CTR	CITY ORD. #1046
CITY SAN RAGAREL PHONEIB-576488	#38.80
GONTRACTOR OWNER	
ADDRESS	OCCUPANCY A.1 A.2 - 2.1-3-4 E I I
CITYPHONE	CONSTRUCTION
CITY LIC. NO STATE LIC. NO	FLOOR AREA (MAIN BUILDING) NO. OF STORIES
PLANS SUBMITTED YES TO D	FLOOR AREA (GARAGE)ACCESS. BLDG
PLANS PREPARED BY CLEMENTS & CLEMENTS ASCHT.	DESCRIPTION OF WORK: INTERIOR PARTITIONS
ADDRESS 123 S. LAKE AVE PASADONA CA 91101	
CONSTRUCTION LENDER LOWE	
VALUATION \$ 10,000	PLAN CHECKED BY: DATE: 1-18-86
Thereby acknowledge that I have read this application and state that the above is correct and agree to comply with all City arthmaces and State laws regulating building construction.	THE FOLLOWING CONDITIONS TOGETHER WITH THE SUBMITTED PLANS AND/O SPECIFICATIONS ARE MADE A PART OF THIS PERMIT.
I hereby agree to save, indemnity, and keep harmless the City of San Rafael, its afficers, and duly appointed representatives against all liabilities and judgments resulting from this permit.	MODITY FIRE SPRINKLER SYSTEM
San D D	TO THE SATISFACTION OF THE
FIRM HAME SPARS KOEBYLKX CO	SAU RUFAER PIRE DEOF,
BY: Mak T Keren	
THIS PERMIT EXPIRES AND BECOMES NULL AND VOID IF THE WORK IS	
NOT COMMENCED WITHIN 180 AYS LOCATION OF THE STRUCTURE ON	1
THE PROPERTY IS THE RESPONSIBILITY OF THE PERMITTEE.	(A)

DISTRIBUTION:
WHITE- FILE
YELLOW-APPLICANT

TITACHED AND PART OF THIS APPLICATION

PART II "DECLARATIONS

APPLICATION FOR BUILDING PERMIT DEPARTMENT OF PUBLIC V

CITY of SAN RAFAEL		
FIFTH AVENUE, P.O. BOX 60, SAN RAFAEL	(415) 485-33	65
ORNIA 94915-0060 PHONE 4	(\sim

PUBLIC WORKS

PERMIT NUMBER 788	DATE RECEIVED
JOB ADDRESS GOOD North parte S.C	DATE ISSUED 5-1283 VALUATION S STORES
ASSESSOR'S PARCEL	BUILDING PERMIT FEE
APPELL CANTETO FILL IN WITHIN HEAVY LUNES TYPE OF PRINT	PLAN CHECK FEE
E OWNER AMOR SEARS (NORTHGATE MALL)	PLAN RETENTION FEE
	S.MI.P
S ADDRESS	CITY ORD.#1046
CITY ALHAMBRA PHONE	173.30
CONTRACTOR BRYANT ORGANIZATION	
# ADDRESS 3229 SAN LEANDRO ST. 70, Box 24081	OCCUPANCY A-1 A-2-2-1-3-4 E
EL CITY DAKLAND PHONE 532-4635	
H CITY LIC. NO STATE LIC. NO. 365 357	CONSTRUCTION
PLANS SUBMITTED YES NO	FLOOR AREA (GARAGE)ACCESS: BLDG
PLANS PREPARED BY	DESCRIPTION OF WORK:
ADDRESS	Lation Citations
CONSTRUCTION LENDER.	
	BEROOF
·	
VALUATION \$ 151,000.00	PLAN CHECKED BY: TV. DATE: 5-12-83
I hereby acknowledge that I have read this application and state that the above is correct and agree	THE FOLLOWING CONDITIONS TOGETHER WITH THE SUBMITTED PLANS AND/O SPECIFICATIONS ARE MADE A PART OF THIS PERMIT:
to comply with all City ordinances and State laws regulating building construction. I hereby agree to save, indemnify, and keep harmless the City at San Rafael, its officers, and duly appointed representatives against all fiabilities and judgments resulting from this permit.	STEELING AND AND AND AND AND AND AND AND AND AND
appointed representatives against all trabilities and judgments resulting from this permit, "	
HERMNAME BOYANT ORGANIZATION	
F Man Out Time	
a st. Awa	
THIS PERMIT EXPIRES AND BECOMES NULL AND VOID IF THE WORK IS	
NOT COMMENCED WITHIN 180 DAYS. LOCATION OF THE STRUCTURE ON THE PROPERTY IS THE RESPONSIBILITY OF THE PERMITTEE.	
THE FINAL ENTITION THE RESPONSIBILITY OF THE PERMITTEE.	ISSUED BY:
DICTORUTION	

APPLICATION FOR BUILDING PERM

CITY OF SAN RAFAEL 1400 FIFTH AVENUE, P.O. BOX 60, SAN RAFAEL CALIFORNIA 94915-0060-PH (415) 485-3365 DATE RECEIVED PERMIT NUMBER ... DATE ISSUED JO8 ADDRESS 164.20 BUILDING PERMIT FEE. 1,06,90 PLAN CHECK FEE .. LIN WITHIN HEAVY LINES THEOR PLAN RETENTION FEE... S ROEBUCK +CO. S M.I.P. ADDRESS 9000 NORTHOATE CITY ORD.#1046 **OCCUPANCY** R.1 Н B. 1.2.3. CONSTRUCTION: NO. OF STORIES: STATE LIC. NO. 4303 NO.of UNITS CITY LIC. NO. FLOOR AREA (MAIN BUILDING). NO 🗌 ACCESS BLDG. PLANS SUBMITTED FLOOR AREA (GARAGE). PLANS PREPARED BY INSTAU DESCRIPTION OF WORK **ADDRESS** CONSTRUCTION LENDERS VALUATION PLAN CHECKED BY: THE FOLLOWING CONDITIONS TOGETHER WITH THE SUBMITTED PLANS AND/OR I hereby acknowledge that I have read this application and state that the above is correct and agree SPECIFICATIONS ARE MADE A PART OF THIS PERMIT: to comply with all City ordinances and State laws regulating building construction thereby agree to save, indemnify, and keep harmless the City or Son Rafael, its officers, and duly appointed representatives against all liabilities and judgments resulting from this permit. THIS PERMIT EXPIRES AND BECOMES NULL AND VOID IF THE WORK IS NOT COMMENCED WITHIN 180 AYS, LOCATION OF THE STRUCTURE ON

ISSUED BY:_

DISTRIBUTION: WHITE- FILE YELLOW-APPLICANT

PINK - ASSESSOR ORANGE-FIRE DEPT

THE PROPERTY IS THE RESPONSIBILITY OF THE PERMITTEE.



APPLICATION FOR BUILDING PERMIT

CITY of SAN RAFAEL

1400 FIFTH AVENUE, SAN RAFAEL, CALIF. 94902

PHONE 456-1112 EXT. 52

BUILDING DEPARTMENT

FILE COPY

ROOM 302

25	DATE RECEIVED 6/14/78
PERMIT NUMBER 10088	DATE ISSUED
OB ADDRESS GOOD North gate	BUILDING PERMIT FEE FEE 2.05
ASSESSOR'S PARCEL	PLAN'CHECK FEE 3.00
APPLICANT TO FILL IN WITHIN HEAVY LINES - TYPEORPRINT	ANNEX FEE Penaly 2.00
OWNER Seoro Roebuch + Co	S.M.I.P
ADDRESS 9000 northgate mall.	CITY ORD. # 1046
CITY for Rotal PHONETT 2-3676	17.50
P P I I O CO	NEW ADD ALTER REPAIR
CONTRACTOR TO TO TO	MOVE DEMOLISH SWIMMING POOL OCCUPANCY AND BOTH TO THE
ADDRESS 4000 TWILLY	OCCUPANCY ABCDEFGHIJ CONSTRUCTION IIII MATINIV
CITY Son Reference PHONE	FIRE ZONE 1 2 3
CITY LIC. NO. STATE LIC. NO. 025453	NO. OF LIVING UNITSNO. OF FLOORS
PLANS SUBMITTED YES NO	FLOOR AREA, MAIN BUILDING
PLANS PREPÄRED BY	FLOOR AREA GARAGE *ACCESS. BLDG.
ADDRESS	DESCRIPTION OF WORK /UTERIOR
CONSTRUCTION LENDER:	& STR" CYPIBE
	7 / 7 / /
	PUBLIC WORKS DEPT. CHECKED BY
	PLANNING DEPT. CHECKED BY
VALUATION \$	THE FOLLOWING CONDITIONS TOGETHER WITH THE SUBMITTED PLANS AND/OR SPECIFICATIONS ARE MADE A PART OF THIS PERMIT:
I hereby acknowledge that I have read this application and state that the above is correct and agree to camply with all City ordinances and State laws regulating building construction.	
I hereby agree to save, indemnify, and keep harmless the City of San Rafael, its officers, and duly appointed representatives against all liabilities and judgments resulting from this permit.	
FIRM NAME Blass Koeluch & C.	
BY: Just abor funt.	
NOTE: OWNER MUST FILL IN REVERSE SIDE OF THIS APPLICATION	
THIS PERMIT EXPIRES AND BECOMES NULL AND VOID IF THE WORK IS	
NOT COMMENCED WITHIN, 60 DAYS, LOCATION OF THE STRUCTURE ON	
THE PROPERTY IS THE RESPONSIBILITY OF THE PERMITTEE.	JACK K. COATES CHIEF BUILDING INSPECTOR BY

DECLARATION EXEMPTION FOR OWNER-BUILDER Reference From State Business and Professional Code

7031.5 Statement of contractor as to license required as part of local permit regulations. Each county or city which requires the issuance of a permit as a candition precedent to the construction, alteration, improvement, demolition or repair of any building or structure shall also require that each applicant for such a permit file as a condition precedent to the issuance of a permit a statement which he has prepared and signed stating that the applicant is licensed under the provisions of this chapter, giving the number of the license and stating that it is in full force and effect, or, if the applicant is exempt from the provisions of this chapter, the basis for the alleged exemption.

I HEREBY CERTIFY THAT I AM EXEMPT FROM THE CONTRACTORS LICENSE
LAWS OF THE STATE OF CALIFORNIA UNDER SECTION 7031.5 OF THE
BUS. AND PROF. CODE BECAUSE OF ONE OR MORE OF THE FOLLOWING CONDITIONS:

1 am the awner of the property and the structure is being built for the occupancy of the owner, and will not be offered for sale within the year. (Sec. 7044)
 2 The building does not contain more than three (31 dwelling units, one of which will be occupied by me as the owner. (Sec. 7044)
 3 As the owner, I am contracting with a licensed contractor to construct the project. (Sec. 7050)
 4 Aggregate total of the contracts is not more than \$100 for labor, material and all other items of work. (Sec. 7048)
 5 I am a licensed architect, engineer, or structural pest control operator operating within the scope of my license. (Sec. 7051)
 6 I am furnishing materials and supplies without fabrication as exempted by Sec. 7052 of the State Contractors License Laws. (Sec. 7052)
 7 I am an employee with wages as my sole compensation. (Sec. 7053)
 8 The property is in the ownership of the Federal Government. (Sec. 7047)
 Signed (Owner):

472-7670

APPLICATION FOR BUILDING PERMIT

CITY of SAN RAFAEL
1400 FIFTH AVENUE, SAN RAFAEL, CALIF. 94902

20 . 20

PHONE 456-1112 EXT. 52

BUILDING DEPARTMENT

ROOM 302

	.
2 103	DATE RECEIVED
PERMIT NUMBER 3/03	DATE ISSUED
JOB ADDRESS 900 Vouting of	BUILDING PERMIT FEE
ASSESSOR'S PARCEL	PLAN CHECK FEE
APPLICANT TO FILL IN WITHIN HEAVY LINES - TYPE OR PRINT	ANNEX FEE
OWNER Lean a Bulyk	S.M.I.P
ADDRESS	CITY ORD. #.1046
CITY Son BARY PHONE	18
P. M. C. +	NEW ADD ALTER REPAIR
CONTRACTOR DATE OF THE STATE OF	MOVE DEMOLISH SWIMMING POOL
ADDRESS PARTY CONTINUES	COCCUPANCY A B C D E F G, H D (1)
CITY PHONE 743-5144	CONSTRUCTION I I I I II II II III
	FIRE ZONE 1 2 3
CITY LIC. NOSTATE LIC. NO	NO. OF LIVING UNITSNO. OF FLOORS
PLANS SUBMITTED. YES NO	FLOOR AREA, MAIN BUILDING
PLANS PREPARED BY	FLOOR AREA GARAGEACCESS. BLDG
TECHNOTICE ST	DESCRIPTION OF WORK The englusers
ADDRESS	
CONSTRUCTION LENDER:	
	PÜBLIC WORKS DEPT. CHECKED BY
	PLANNING DEPT. CHECKED BY
VALUATION. \$	THE FOLLOWING CONDITIONS TOGETHER WITH THE SUBMITTED PLANS AND/OR
I hereby acknowledge that I have read this application and state that the above is correct and agree	SPECIFICATIONS ARE MADE A PART OF THIS PERMIT:
I hereby acknowledge that I have read this application and state that the above is correct and agree to comply with all City ordinances and State laws regularing building construction.	
I hereby agree to save, indemnify, and keep harmless the City of San Rafael, its officers, and duly appointed representatives against all liabilities and judgments resulting from this permit.	
$R M \sim R M$	
FIRM NAME Quelly Cont Cont	
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and the state of t	
NOTE: OWNER MUST FILL IN REVERSE SIDE OF THIS APPLICATION	
THIS PERMIT EXPIRES AND BECOMES NULL AND VOID IF THE WORK IS	
NOT COMMENCED WITHIN 60 DAYS, LOCATION OF THE STRUCTURE ON	1.00 11.00 17.00
THE PROPERTY IS THE RESPONSIBILITY OF THE PERMITTEE.	JACK K. COATES CHIEF BUILDING INSPECTOR BY
, ka	FILE COPY

APPLICATION FOR BUILDING PERMIT

CITY of SAN RAFAEL

1400 FIFTH AVENUE, SAN RAFAEL, CALIF. 94902

PHONE . 456-1112 EXT. 52

ROOM 302

PERMIT NUMBER 8754	DATE RESIDED 7-21-7/ VALUATION \$ 5/6,/50
JOB ADDRESS 9200 NORTHGATE CONTER	BUILDING PERMIT FEE 643.50
ASSESSOR'S PARCEL	PLAN CHECK FEE Pd 321.75
APPLICANT TO FILL IN WITHIN HEAVY LINES - TYPE OR PRINT	ANNEX FEE
OWNER SEARS ROEBUCK AND CO	GRADING PERMIT
ADDRESS 900 S. FREMONT AND	POWER POLE
CITY ALHAMBRA: CA PHONE 576-4802	
م محمد لا كل با	NEW ADD ALTER REPAIR
DI OF CORRESPONDED	MOVE DEMOLISH SWIMMING POOL OCCUPANCY A B C D E F G H D
	CONSTRUCTION III III IV
CITY PHONE	FIRE ZONE (1 [2] [3] NO, OF FLOORS 2
CITY LIC. NO. STATE LIC. NO.	NO, OF LIVING UNITSNO, OF FLOORS
PLANS SUBMITTED YES NO 1	FLOOR AREA GARAGEACCESS. BLDG. 1904
PLANS PREPARED BY PARKIN ARCHITECTS ENG PLANNERS	DESCRIPTION OF WORK AUTO SERVICE STORE
ADDRESS 1333 WESTWOOD BLUD L.A. CA 90024	with GAS DISPENS. ISLAND
NUMBER OF BUILDINGS NOW ON LOT 6	& COVERED NUMPS.
USE OF PROPOSED STRUCTURE AUTOMOTIVE CENTER	PUBLIC WORKS DEPT. 290 CHECKED BY TODA
LENDER:	PLANNING DEPT. 290 CHECKED BY TOP
VALUATION \$ 500,000.00	THE FOLLOWING CONDITIONS TOGETHER WITH THE SUBMITTED PLANS
I hereby acknowledge that I have read this application and state that the above is correct and agree to comply with all City-ordinances and State laws regulating building construction.	AND/OR SPECIFICATIONS ARE MADE A PART OF THIS PERMIT:
I hereby agree to save, indemnify, and keep harmless the 'City' of San Rafael, its officers, and duly appointed representatives against all liabilities and judgments resulting from this	THIS DETEMPT 153UED SUBJECT TO
permit.	COM PULLICE BY OWNER TO THE
FIRM NAMEPARKIN ARCHITECTS. ENG. PLANNERS	BETUIREMENTS SPECIFIED ON
PIRM NAME ARRIVE PROPERTY.	DWG. SHTS. CA 1 THRO 5, THE S.P.
NOTE: OWNER MUST FILL IN REVERSE SIDE OF THIS APPLICATION	PLANNING COMM. 'S RETURENTS
INDIE: OMINER WIDT LIFF IIA KEAEKZE ZINE OL IUIZ MELTICALION	
	AND THE ATTACHED P. P.W. SHT. NO. 290
THIS PERMIT EXPIRES AND BECOMES NULL AND VOID IF THE WORK IS NOT COMMENCED WITHIN 60 DAYS, LOCATION OF THE STRUCTURE ON	ALL ATTACHED.
THIS PERMIT EXPIRES AND BECOMES NULL AND VOID IF THE WORK IS	

Reference From State Business and Professional Code

7031.5 Statement of contractor as to license required as part of local permit regulations. Each county or city which requires the issuance of a permit as a condition precedent to the construction, alteration, improvement, demolition or repair of any building or structure shall also require that each applicant for such a permit file as a condition precedent to the issuance of a permit a statement which he has prepared and signed stating that the applicant is licensed under the provisions of this chapter, giving the number of the license and stating that it is in full force and effect, or, if the applicant is exempt from the provisions of this chapter, the basis for the alleged exemption.

LAWS OF THE STATE OF CALIFORNIA UNDER SECTION 7031.5 OF THE
BUS. AND PROF. CODE BECAUSE OF ONE OR MORE OF THE FOLLOWING CONDITIONS:

- 1 I am the owner of the property and the structure is being built for the occupancy of the owner and will not be offered for sale within the year. (Sec. 7044)
- 25... The building does not contain more than three (3) dwelling units, one of which will be occupied by me as the owner. (Sec. 7044)
- 3. As the owner, I am contracting with a licensed contractor to construct the project.
 (Sec. 7050)
- 4 Aggregate total of the contracts is not more than \$100 for labor, material and all other items of work. (Sec. 7048)
- 5....1 am a licensed architect, engineer, or structural pest control operator operating within the scope of my license. (Sec. 7051)
- 6.... am furnishing materials and supplies without fabrication as exempted by Sec. 7052
- 7....I am an employee with wages as my sole compensation. (Sec. 7053)
- 8...: The property is in the ownership of the Federal Government. (Sec. 7047)

Signed (Owner):		
Signed (Agent for Own	ner PARKIN ARCHIECT	1 Shaban Kali
Owner's Address 90	O J. Fremont De	albanhe Calif
Telephone No.:	a	Date: 4/1/

APPLICATION FOR BUILDING PERMIT

CITY of SAN RAFAEL

1400 FIFTH AVENUE, SAN RAFAEL, CALIF. 94902

.PHONE 456-1112 EXT. 52

BUILDING DEPARTMENT

. ROOM 302

PERMIT NUMBER 8753	DATE RECEIVED 7-21-71 VALUATION \$ 3,435,430
JOB ADDRESS GOOD NORTHGATE CENTER	BUILDING PERMIT FEE 3, 562.50
ASSESSOR'S PARCEL	PLAN CHECK FEE 1781.25
APPLICANT TO FILL IN WITHIN HEAVY LINES - TYPE OR PRINT	ANNEX FEE
OWNER SEARS ROEBUCK AND CO	GRADING PERMIT
ADDRESS 900 S. FREMONT AVE	POWER POLE
CHY ALHAMBRA CA PHONE 576-4802	
CONTRACTOR WILLIAMS & BURROCUS ADDRESS 500 HARBON BLUD.	NEW ADD ALTER REPAIR MOVE DEMOLISH SWIMMING POOL OCCUPANCY ABCDEFGHID
CITY LIC. NOSTATE LIC. NO	CONSTRUCTION FIRE ZONE NO. OF LIVING UNITS NO. OF FLOORS
PLANS SUBMITTED YES 🗹 NO 🗌	FLOOR AREA, MAIN BUILDING 178464 FLOOR AREA GARAGE ACCESS. BLDG
PLANS PREPARED BY PARKIN ARCHITECTS. ENG. MANUERS	DESCRIPTION OF WORK RETAIL SALES STORE
ADDRESS/333 WESTWOOD LVD L.A. CA 9004	
NUMBER OF BUILDINGS NOW ON LOT	
USE OF PROPOSED STRUCTURE RETAIL STORE	PUBLIC WORKS DEPT. 200 CHECKED BY
LENDER:	CHECKED BI
VALUATION \$ 2, 800,000.00	THE FOLLOWING CONDITIONS TOGETHER WITH THE SUBMITTED PLANS AND/OR SPECIFICATIONS ARE MADE A PART OF THIS PERMIT:
i hereby acknowledge that I hove read this application and state that the above is correct and agree to comply with all City ordinances and State laws regulating building construction.	THIS DERMIT ISSUED SUBJECT TO
I hereby agree to save, indemnify, and keep harmless the City of San Rafuet, its officers, and duly appointed representatives against all liabilities and judgments resulting from this permit.	COMPLIANCE BY OWNER TO THE
0.0.1.4	REDUIREMENTS SPECIFIED ON DWG.
FIRM NAME PARKIN. ARCHITECTS- FUG-PLANNERS	SHTS. CA 1 THRU 5, THE S.R. PLANNING
BY: Uhdan Zoshin	COMMISSION'S RECOVIRGIMENTS AND D.P.V
NOTE: OWNER MUST FILL IN REVERSE SIDE OF THIS APPLICATION	SHT. NO. 290, ALL ATTACHED.
THIS PERMIT EXPIRES AND BECOMES NULL AND VOID IF THE WORK IS NOT COMMENCED WITHIN 60 DAYS. LOCATION OF THE STRUCTURE ON THE PROPERTY IS THE RESPONSIBILITY OF THE PERMITTEE.	JACK K. COATES CHIEF BUILDING INSPECTOR BY
	CUIEL BRITTING INZABILION DI

ECLARATION EXEMPTION FOR OWNER-BUILDER Reference From State Business and Professional Code

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- 2....The building does not contain more than three (3) dwelling units, one of which will be occupied by me as the owner. (Sec. 7044)
- As the owner, I am contracting with a licensed contractor to construct the project. (Sec. 7050)
- 4....Aggregate total of the contracts is not more than \$100 for labor, material and all other items of work. (Sec. 7048)
- 6.... I am furnishing materials and supplies without fabrication as exempted by Sec. 7052 of the State Contractors License Laws. (Sec. 7052)
- 7.....1 am an employee with wages as my sole compensation. (Sec. 7053)
- 8....The property is in the ownership of the Federal Government. (Sec. 7047)

Signed (Owner):	
Signed (Agent for Owner): PARKIN ARCHITECTS	Mahandashi.
Owner's Address: 900 S. Fremant D.	altanha Calif
Telephone No.: 576- 480 V Date:	4/21

APPLICATION FOR BUILDING PERMIT

CITY of SAN RAFAEL
1400 FIFTH AVENUE, SAN RAFAEL, CALIF. 94902

456-1112 EXT. 52

BUILDING DEPARTMENT

ROOM 302

PERMIT NUMBER \$752	DATE RECEIVED! 7-21-71 VALUATION \$ 23/,000
JOB ADDRESS : 9100 NORTH GATE CENTER	BUILDING PERMIT FEE 357.40
ASSESSOR'S PARCEL	PLAN CHECK FEE PA! 178.75
APPLICANT TO FILL IN WITHIN HEAVY LINES - TYPE OR PRINT	ANNEX FEE
OWNER SEARS, ROEBUCK AND CO	GRADING PERMIT
ADDRESS 900 S. FREMONT AVE	POWER POLE
CITY ALHAMORA CA PHONE 576-4802	,
CONTRACTOR Wilkems & BURROWS	NEW ADD ALTER TREPAIR
ADDRESS SOO HARBOR BLUD.	MOVE
CITY BELMONT PHONE	CONSTRUCTION II II MID IV V
CITY LIC. NOSTATE LIC. NO	FIRE ZONE 1 (2) (3) NO. OF LIVING UNITS
PLANS SUBMITTED YES & NO	FLOOR AREA, MAIN BUILDING
PLANS PREPARED BY PARKIN ARHITECTS. ENG. PLANNERS	FLOOR AREA GARAGE ACCESS. BLDG
ADDRESS 333 WESTWOOD BLVD LA. CA 90024	DESCRIPTION OF WORK * SEASONAL SALES KETAIL
NUMBER OF BUILDINGS NOW ON LOT	
USE OF PROPOSED STRUCTURE SEASONAL SALES	
LENDER:	PLANNING DEPT. CHECKED BY
VALUATION \$ 200,000.00	THE FOLLOWING CONDITIONS TOGETHER WITH THE SUBMITTED PLANS
t hereby acknowledge that I have read this application and state that the above is correct and agree to comply with all City ordinances and State laws regulating building construction.	AND/OR SPECIFICATIONS ARE MADE A PART OF THIS PERMIT:
I hereby agree to save, indemnify, and keep harmless the City of San Rafael, its officers,	THIS PERMIT ISSUED SUBJECT TO
and duly appointed representatives against all liabilities and judgments resulting from this permit.	COMPCIANCE BY OWNER 40 TATE
FIRM NAME PARKIN ANCILITECTS IENG-PLANNERS	SECUIDEMENTS SPECIFIED ON DWG.
I'M I TO I	SHTS. CA 1 THRU 5, THE D. R.
NOTE: OWNER MUST FILL IN REVERSE SIDE OF THIS APPLICATION	PLANNING COMM.'S REQUIREMENTS
THIS PERMIT EXPIRES AND BECOMES NULL AND VOID IF THE WORK IS	AND THE ATTACHED D.D. W. SHT. M. 29
NOT COMMENCED WITHIN 60 DAYS, LOCATION OF THE STRUCTURE ON THE PROPERTY IS THE RESPONSIBILITY OF THE PERMITTEE.	JACK K. COATES TO RY MA
	CHIEF BUILDING INSPECTOR BY

Reference From State Business and Professional Code

7031.5 Statement of contractor as to license required as part of local permit regulations. Each county or city which requires the issuance of a permit as a condition precedent to the construction, alteration, improvement, demolition or repair of any building or structure shall also require that each applicant for such a permit file as a condition precedent to the issuance of a permit a statement which he has prepared and signed stating that the applicant is licensed under the provisions of this chapter, giving the number of the license and stating that it is in full force and effect, or, if the applicant is exempt from the provisions of this chapter, the basis for the alleged exemption.

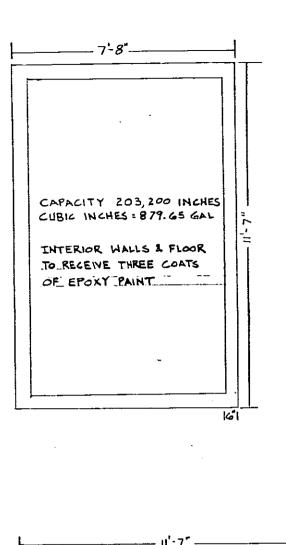
HEREBY CERTIFY THAT'I AM EXEMPT FROM THE CONTRACTORS LICENSE

LAWS OF THE STATE OF CALIFORNIA UNDER SECTION 7031.5 OF THE

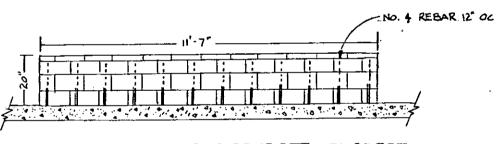
BUS. AND PROF. CODE BECAUSE OF ONE OR MORE OF THE FOLLOWING CONDITIONS:

- 1....1 am the owner of the property and the structure is being built for the occupancy of the owner and will not be offered for sale within the year. (Sec. 7044)
- 2....The building does not contain more than three (3) dwelling units, one of which will be occupied by me as the owner. (Sec. 7044)
- 3 X. As the owner, I am contracting with a licensed contractor to construct the project. (Sec. 7050)
- 4....Aggregate total of the contracts is not more than \$100 for labor, material and all other items of work. (Sec. 7048)
- 1 am a licensed architect, engineer, or structural pest control operator operating within the scope of my license. (Sec. 7051)
- 6.... am furnishing materials and supplies without fabrication as exempted by Sec. 7052 of the State Contractors License Laws. (Sec. 7052)
- 7....1 am an employee with wages as my sole compensation. (Sec. 7053)
- 8.... The property is in the ownership of the Federal Government. (Sec. 7047)

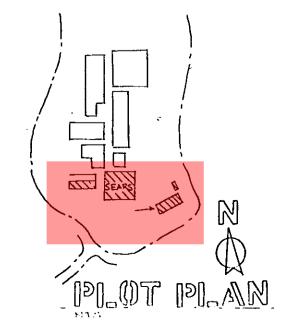
٠.	Signed (Owner):
	Signed (Agent for Owner) ARKIN SECHITIZETS Abrahan Lastin
,	Owner's Address: 900 S. Frement by alhanbie Caly
	Telephone No.: 56-4802 Date: 4/7/

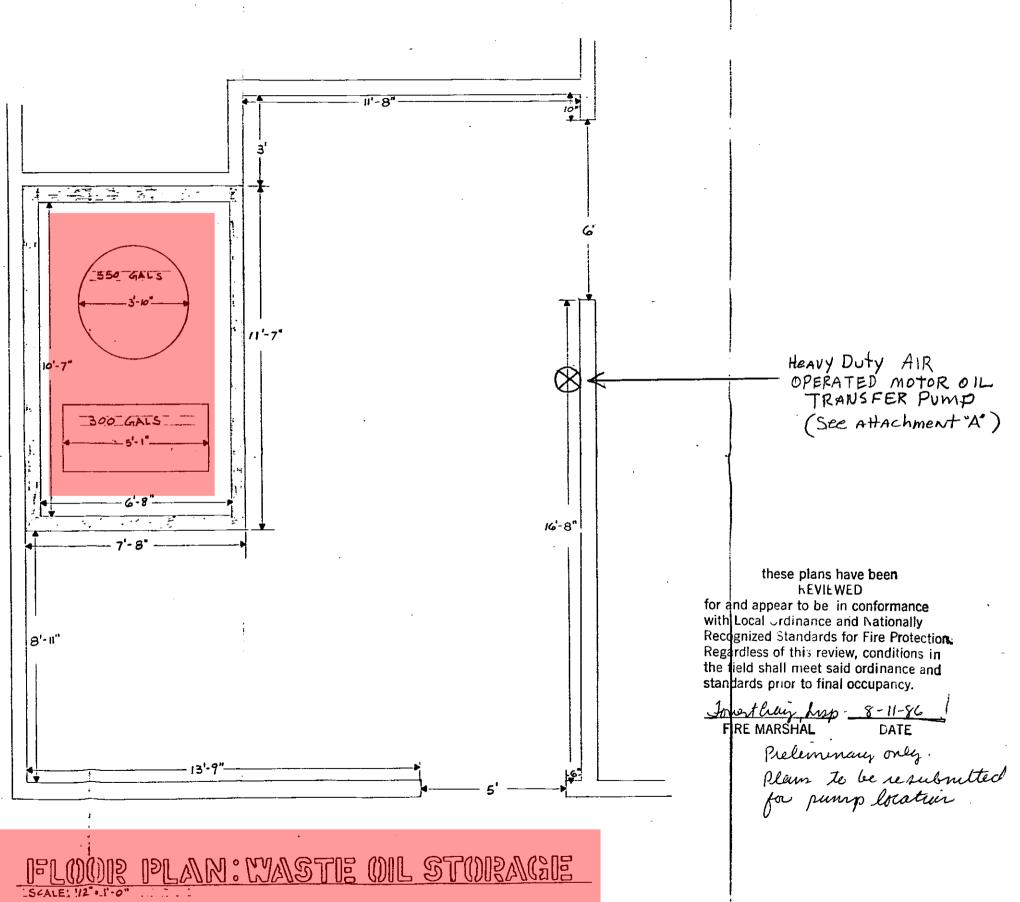


To contain only
Class III Materials



CONTAINMENT DIKE







Fire Chief Robert E. Marcucci

September 6, 2001

Mr. Dennis Puccetti Sears San Rafael unit #1528 9000 Northgate Mall San Rafael, CA 94903

Re: Modification of Building Exiting Arrangement, 9000 Northgate Mall (San Rafael Building Permit B0108-057)

Mr. Puccetti:

Thank you for your submittal regarding plans to delete the bank of glass panel doors from the north-east corner of the building (between column lines J & K, along column line 1). These doors have historically served as a customer entrance and exit. Your proposal also includes the immobilization of two door leafs at the west entrance (opposite the garden/service center).

I have completed an analysis of the exiting requirements based on the second floor occupant loading and current code requirements. Your current plans to delete the bank of doors and leave in place the single leaf metal door at that location complies with current code requirements. Assuming the remaining door has a 32" clear width when open, the allowable occupant load for the second story would be 640 persons. This occupant load figure assumes that three other similar doors are provided around the floor plan for exiting from the second floor. For reference purposes, an occupant load of 640 would allow the following configuration: 33,000 sq. ft. of retail sales floor area, 14,800 sq. ft. of stock room, 3000 sq. ft. of office area and 2400 sq. ft. of mechanical service area.

As we discussed on 9/4, the portion the proposal calling for time delay egress door hardware would only be acceptable if a smoke detection system were installed throughout the building. Based on our conversation its my understanding that this portion of the original proposal has been dropped so this is not an issue requiring resolution. You may at your option employ alarmed exit hardware without any restrictions.

Fire Department Offices: 1039 C Street, San Rafael, CA 94901 Administration: (415) 485-3304 Fire Prevention: (415) 485-3308



Mr. Dennis Puccetti 09/06/01 Page 2

One item not specifically addressed in the proposal is exit designation. As we discussed during our first meeting on this issue, an illuminated exit sign mounted to be visible from the sales floor should be added to direct persons to the sole remaining exit door at the effected corner. Also, steps must be taken at the west entrance to avoid confusing the immobilized door leafs with the active leafs. Appropriate steps include the removal of any door pull or similar hardware from the doors and the addition of markings or other architectural features (such as visibility dots, wainscoting, decorative planters, etc.) to clearly communicate to the public that the door leafs have become side lights.

While I realize that the San Rafael Building Department has already issued you a permit to proceed with this project I would like to thank you for taking the extra step of soliciting our input on this issue. I hope you will find that approaching this type of project in such a proactive manner will result in a smoother project timeline with less chance for unexpected delays or revisions. If you have any questions regarding any of the requirements outlined above please contact this office at (415) 485-3308.

Sincerely,

STEVEN RIGGS

Fire Inspector

Cc: file

PERMIT Date 8/1/7/01 1400 Fifth Avenue San Rajael, CA 94901 485-3365 9600 Job Address: Orenor Contractor's Name: PERMIT ACCT. AMOUNT BLDG 101-2204 ELEC. 01-2205 PLUMB./HEAT 01-2206 PLAN CHECK 01/6360 S.M.I.R 01:77:10 BEDRM, TAX 250-6625-1125 PLAN RET. 01,6802 DEV. TAX 01-1123 **□CASH** CHECK-TOTALDUE THIS IS YOUR PERMIT WHEN VALIDATED Issued By:

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R	E	C	E	I	P	T	30	<u> </u>	9	5	8	1	_

(This is not a license or permit)

City of San Rafael

1400 FIFTH AVENUE SAN RAFAEL, CA 94901 **Business License** Citations Cash

485-3051 485-3053

Check **Credit Card**

17 AUB 2001

FKH

31.75

AMOUNT:

DATE:

DESCRIPTION:

309581 RECEIPT # CHECK # CASH

ACCOUNT DISTRIBUTION

001-DA-1650-000-2204-00000 001-DA-1650-000-7710-00000 31.25

0. 50

SEARS ROEBUCK

POST IN A CONSPICUOUS PLACE ON THE JOB

City of San Rafael INSPECTION RECORD

Building Division, Rm. 300, 1400 5th Avenue 415 485-3365

Permit No. Bolo8- Job Address 900 7	Date (6-17-10)
Job Address 9000 7	ni cato mall
Contractor O une	, , , , , , , , , , , , , , , , , , , ,
Owner Sear	
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	a nequined for Plumbing, neading, hin the Public Right of Way.
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Ducts	athriffe).ininemeta
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Rough Plumbing (D.W.V.)	Anuch Gas/_
Rough Wining	
Chimmey	Roof Nalling
Freming	
	•
Wall Board and Pl	
To Be Made Before Well Board is	s Tapad or After Lath or Wire is
App	lied [*]
Sheetrock	Misc.
Leth	
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Do Not Occupy Building	Until These Are Signed
See Toer	
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SAN RAFAEL COMMUNITY DEVELOPMENT DEPT.

BUILDING AND SAFETY DIVISION 1400 FIFTH AVENUE - PO BOX 151560 - SAN RAFAEL - CA 94915-1560 PHONE 415 485-3365

APPLICATION FOR **BUILDING PERMIT**

PERMIT NO BULOS: 957 DATE RECEIVED	DATE ISSUED . X-1.7-4) MAIL PERSON
APPLICANT INFORMA	ATION (Please Type or Print)
JOB ADDRESS POOD NORTHEATE DR	PLANS SUBMITTED Yes No
ASSESSOR'S PARCEL	PLANS PREPARED BY DUCCETT
OWNER SPARS ROEDUCK	ADDRESS POSO LORTHGATE MALL
ADDRESS POO ABRITHEATE DR	CONSTRUCTION LENDER
CITAN PAFASE PHONE 507 2351	
CONTRACTOR NIA OWN	VALUATION \$
ADDRESS	DESCRIPTION OF WORK
CITY PHONE	Block off Two SITS OF
STATE LIC.# CITY LIC.#	DOORS 5 BUILD ONS WALL
I hereby acknowledge that I have read this application and that it is a building construction.	correct and agree to comply with all City ordinances and State laws regulating
I hereby agree to save, indemnity and keep harmless the City of Sa and judgments resulting from this permit.	m PlateeL its officers and duly appointed representatives against all liabilities
I hereby certify that I am properly registered and/orlicensed as requ	ired by the City of San Rafael and the State of California or that I am exempt
from the Contractor License Lays of the State of Colifornia under S	ection 7061.5 of the Business and Professional code.
Signature of Permittee	1000 Date 8/17/61
Signature of Permittee OFFICE USI	
NOTES OFFICE USI	OCCUPANCY
OFFICE USI	OCCUPANCY
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior	ONLY OCCUPANCY A B E F H
NOTES "Extra Inspections" are inspections necesitated by failure to make noted correction, work not ready, inspection of work done without permit prior to issuance of permit or inspector unable to gain entry to job Twenty-four (24) hours notice is required for called inspections This permit becomes null and void if the work is not commenced within	CONSTRUCTION OCCUPANCY A B E F H CONSTRUCTION I II III IV V
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5/97



9000 Northgate Mall San Rafael, CA 94903 415-507-2300 FAX: 415-479-1306

August 02, 2001

To:

Building Commission

San Rafael, CA.

STEUEN RIEGS SAN RAFAEL FIRE DEPT.

From:

Sears San Rafael unit #1528

C/O Dennis Puccetti 9000 Northgate Mall San Rafael, CA. 94903

Re:

reactive Harrichell Fuller

Building Remodel Proposal

To Whom It May Concern:

In the effort for us here at Sears in San Rafael, to control the ongoing problem of inventory loss and merchandise selection availability, we are planning to do some minor building remodeling.

This letter is our stores proposal for the following planned building remodel

for Sears at Northgate Mall.

Please find enclosed with this letter a map that shows the areas of the building that we plan to remodel.

Refering to the map:

Green Area "A"

This area we plan to lock the existing customer entrance doors and construct a wall that will completely cover and block the fore mentioned entrance. From the map if you look directly to the left you will see a door that will act as an emergency exit door. On this door we will install a time delayed crash bar that will, in an emergency, allow customers and associates access to the exterior of the building.



9000 Northgate Mall San Rafael, CA 94903 415-507-2300 FAX: 415-479-1306

Green Area "B"

This area of the store our plan is to completely lock and secure two (2) of the existing customer entrance doors. Then with the other two (2) remaining doors we plan to install time delayed crash bars. Our intent with this plan is to completely restrict access through these doors from both customers and associates.

The forgoing is our proposed building remodel plan, and we at Sears are seeking your review and approval so that we may expedite these plans as soon as possible.

We would like to thank you in advance for your careful consideration in this very important matter

Sincerely,

Dennis Puccetti

Director of Operations

Sears San Rafael

San Rafael Fire Department 485-3308

	Addi	ess 4	כועט	W6	Mall	í	Business Nar	ne Ti	ns (Car	Radio))	FP-13	
			. 256	62,	hone		Conta							
	Issue	ed By/Date	1st Insp	18/01/0	1 / 13 2n	d Insp		_/	_ 3rd Insp.			Refer	to FPB	
	At th	e time of t eximate two	the inspection o week interva	those items n	narked in columns ked under NA or (s 1, 2 or 3 OK were ei	were found t ther not appl	o be in viola cable or were	tion and shal e in complian	l be correcte ce at the tim	d immediatel e of the insp	y. Re-inspe ection.	ections occ	cur in A
	B-2: (General Bus	sinesses — office	ce, wholesale a	and retail stores, fa , for less than 50 p	actories, wo	orkshops usin Idworking and	g materials no I cabinet shoo	ot highly flamr os which are o	nable or comb wner operate	oustible, drink d or where no	ing/dining	establishm one emplo	ents, vee is
	opera	iting one pi	iece of equipm	ent or applian	ce.	IDARD AVAILA	,						, .	•
	▲ −ԲԼ	ATOON COMM	ANDER VIOLATION: REMENTS AND	3., FP19 -	ARDS			•			* .	#1 #2	Notice '	ΩK
A *	1.	Install app	roved address	identification	nin smoking area	e chall ha i	metal or ann	r leuna havor	vith lid:	•		#1 #2 —— ——	#3 NA	1/2
A *	3.	Trash cans	s used for colle	ction shall be	metal or approve al on exterior of t	ed equal wi	th a lid.	oveu equal i	WIGHT HU.					3 '
A.	6.	Maintain 3	30" clearance d	of combustible	s to heat produci	ng appliand	ces	v mz						6 11
Ã,	12.	Maintain i	n operable con	dition and ren	nove all obstructi of building are c	ons to fire/	smoke doors in Knox-Box	and fire dam	pers.	Lacitationed .			<u> </u>	<u>-</u> 12 14
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		_ 20 squ	are feet—coll are feet—con	ege classroò	ms C	\			i de la constante de la consta	4. 4				
		r				Processor Proof	Section of contrast contrast contrast	arm Capacana	Specialization of the second	Left stands	E.			/
•	18.	Two exits	required if occ	supant load ex	ceeds 50 (except ceeds 30 (offices	i).	, and and		ie ir šainintendid		i			18
•	22.	Two exits	required from	all basements	f occupant load e and above the se rger than 2000 se	econd floor	or 60 (00)	ر آبار معانده شاهده معادمه					_ = =	22 23
•	24.	When two	exits are requ	ired they mus	t be separated by exceeds 500, four	√ ½ of the o	diagonal dista	any direction ance of the ro	oom.	•	,			24 25
•	27.	Maximum	distance to ar corridors may	exit is 150' (unsprinklered bui	ldings) or 2	200' (sprinkle	red buildings).					27
•	30.	If occupar	nt load is over	50, doors mus	st swing out; if ov r other similar de	ver 100 the	y must only	swing out.	ł .		•			30 31,31
Ā Ā	34. 35.	Exit doors No storage	and exit path e beneath encl	s shall not be osed stairs ur	obstructed less protected by	1 hr. cons	truction.	l liping of			• •	<u> </u>		34 35
•	38.	When 2 ex	xits are require	ed, all exitš sh	1 hr. rated with 2 all have exit sign	s. The mai	n exit is exer		obvious.					36 <u></u> 38
A	40. 41.	All exit pa	aths shall be li	ghted at all tir	ally illuminated <u>A</u> ne that the buildi	I ALL TIM ing is occup	<u>ES.</u> pied. If separ	ate circuits a	re required fo	r the exit sig	ns		ب ــــــــــــــــــــــــــــــــــــ	40
<u>.</u>	95:	Maximum	ghting must all occupant load	l sign is requir	ed if less than 50	people. (f	Restaurants	Lounges)			•		二岁	, 41 95
•	44	interior st	airways to be	rated 1 nr. tor	3 or 4 stories, 2	nr; jar nig	ner buildings							**
.	FINE 45.	PROTECTION One 2A10	ON EQUIPMENT	uisher shall bé	próvided for eve	rv 6.000 s	o. ft. with 75	maximum tr	avel distance					1/45
Ā	49. 50.	One addit	ional 40BC exi	tinguisher₊shá'	Il be provided in a le, wall mounted	all kitchens	譲じりない		4					49 50/س
A	51. 55.	Extinguish	ners shall be so	erviced annual	ly, after use; and hall be extended,	when gau	ge indicates	echarge.						51 55
A	56. 57.	All sprinkl Fire Depa	ler valves shal rtment connec	l be locked in tion caps in p	open position, ac lace and work fre	cessible ar	nd unobstruct	ed 🔆						56 12 57
*	58. 59.	Storage s	hall be mainta	ined at least 1	that are not brass 8" below sprinkle	er heads.	le te de la company de la comp	Wisso	rust preventa	tive paint.				58 59 60
A ,	60. 61.		systems as fol		24" below ceiling	1/11 8	₩ #	¥ ¥		ijji.	•			_#2 60
	,		System Type Standpipes Sprinkler	•		inspected/8/ Semi-Anr Quarterly	า๊บูลlly		ested Every 5 ye Every 5 ye	ars				61
_	en	C.	Pre-engineer		dry/wet chemical	Semitann	ually & after		,∕ Semi-anni					
Ā	62. 63.	Hood and	duct ventilati	on systems sh	all be maintained	system pro I free of gre	olecting all c	ooking surjac	æs.	1	N			63
	F1 F1		OUIDEMENTO					×6.4						
À	66. 67.	Discontin	QUIREMENTS ue use of extend all not be affive	nsion cords ar	nd cube adapters ided through walls	in lieu of p	ermanent wir	ing.	subject to oh	veical damac	IP.			66
A	68. 69.	Maintain	30" clearance	fronting and a	around electrical o be labeled as to a	control pan	els		. •	yoldai damag	ιο.			68
•	uu.	Licotrical	mam and sub	,										00
•	FLA 74.	MMABLE LI		ds with flash o	point below 110°	F for cleani	na purposes.		Constitution of the second	الملكليل				74سير_
•			ge of class ,1 A						لتتعلم بالللا	1.	,			75
	PERI	MITS ARE F	Reouired or c	OMPLIANCE W	/ITH POSTED PERI	MIT.	The state of the s	and a desired to the second second	سند	ecor.				
•	87.	To store i	in excess of 5 in excess of 25	gallons of flar gallons of co	nmable liquds ins mbustible liquids	ide or 10 g	allons outsid 30 gallons ou	e. Iside.	,				<u></u>	87 88
•	89. 90.	For weldi For above	ng or cutting t ground flamn	orch operatior nable liquids s	is. torage tanks.	:	•						<i></i>	89 90
0,		To operat	e refrigeration	equipment.	oard feet of lumb	er.		, e ³ , ,					<i></i> _	91 92
•	93.	To store b	air uru tank in Nazardone mate	gauess of 120 rials in excess	0 water gallons.	55 gallone	liquid or 200	nu ft mae 🍴	•			— —	<u> </u>	93

91-2074

by 300

SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION THIS IS NOT YOUR PERMIT

Address of Project 9000 140217 GA12	DEIVE
Project/Business Name SEARS ROEBU	CK
Contractor/Owner's Name WILLIAM R. MEI)	(NER { SONS
Address 120 SOLANO ST,	
City, State, Zip VENTURA CA	Phone No. (805) 1047-7008
Mailing Address for Invoices (if different than above)	
State Contractor's License # 479175	Expiration 9-30-97
San Rafael Business License # D292108	
Sail Rataci Business License #	Dapination
A deposit of \$200 will be required when submitting the kept to track time spent on your project. You will be charwith a minimum two-hour charge. The department will also incurred for consultant and/or contractual services plus over The fee will be collected at the completion of your project, due and payable upon the receipt of the invoice. Your proposed until all fees are paid. In addition to not issuing other legal remedies for unpaid accounts. On projects that you will be invoiced during each month that the balance expended.	ged for the actual time spent to the nearest ¼ hour, so charge direct and indirect costs for actual expenses erhead which may be necessary to review your project, and an invoice will be mailed to you. The fees are oject permit will not receive final Fire Department final approval, the Fire Department will pursue all t accumulate more than 3 hours (or \$300) in services,
I have read the above statement regarding fees for this proagree to pay such fees and understand that they are due propenalty of perjury, I declare that I am duly authorized to expendent of the Signature Title	rior to final acceptance of my project. Further, under
Uniform Fire Code Permits* Bonfires or rubbish fires Bowling pin or alley refinishing Burning in public place Candles and open flames in assembly areas Dust-producing operations Fruit ripening High-piled combustible stock Junk yards Lumber yards Mall, covered	Open burning Open-flame devices in marinas Ovens, industrial baking or drying Parade floats Places of assembly Refrigeration equipment Tents and Air-Supported Structures Other, explain
Sprinkler (Plan submittal required) Residential Overhead - #/heads Residential Underground Residential Both Commercial Overhead - #/heads 24 Commercial Underground Commercial Both	Other Systems - (Plan submittal required) Pre-Engineered Hood and Duct Pre-Engineered Spray Booth Pre-Engineered Fire Alarm Fire Detection Clean Agent System (NFPA 2001)
Other - Environmental Monitoring Well, Installation Monitoring Well, Destruction Phase I or II Site Assessment/Investigation Remedial Action Plan Soil Borings/Groundwater Sampling	

*Use other application for hazardous materials or tank permits.

CITY OF SAN RAFAEL FIRE DEPARTMENT

1039 C Street, San Rafael, CA 94901 Phone: (415) 485-3308 Fax: (415) 453-1627

RECEIVED FEB 0 3 1997

FIRE DEPT. CITY OF SAN RAFAEL

HAZARDOUS WASTE AND HAZARDOUS MATERIALS MANAGEMENT REGULATORY PROGRAM

APPLICATION FOR A CONSOLIDATED PERMIT

9000 Northgate Mall 94903						
Address						
	314/231-0761					
Phone	Fax					
: (Check all that appl	y)					
excess of 55 gallons, or 10	00 pounds or 200 cu. ft. of gas					
ials or extremely hazardo	ous substances at or above the					
list - Appendix A)						
erated on site						
	tank canacity					
# of tanks	tank capacity					
	, tank capacity					
# of tanks	, tank capacity					
ring permit (see list - Ap	pendix B)					
	pplication to above address.					
•						
N AND SIGNATURE						
paring this application. I be information contained	have reviewed the appli- herein is true and correct.					
Title Director, Env. Affairs						
Date 2250~97						
RTMENT USE ONLY	~···					
Received By:	Ebekah					
Reviewed By:	West Clare					
Action Taken:	0					
☐ Permit forms sent	on					
· · —	eceived on					
_ □ Permit sent on						
 Permit denied; notice sent on □ App. deficient; notice sent on 						
	Title 800/669-9699 Phone S: (Check all that apple excess of 55 gallons, or 10 ials or extremely hazardo list - Appendix A) Prated on site. bove ground tanks. ion # of tanks # of tanks Inderground tanks. on # of tanks # of tanks # o					

SAN RAFAEL FIRE DEPARTMENT

PERMIT

This Permit has been issued to the following, pursuant to the conditions stipulated herein and in conformance with Uniform Fire Code, state and local ordinances.

This Permit expires when change of ownership, business name, or conditions outlined herein occur. This Permit shall be posted, visible and made available upon request by the Fire Prevention Inspector. This Permit may be revoked at any time for due cause in violation of Uniform Fire Code.

PERMIT NO: CATEGORY:

FPB 96-2062 Commercial

ADDRESS OF PROJECT:

9000 Northqate Mall

PROJECT/BUSINESS NAME:

Jiffy Lube

OWNER/CONTRACTOR:

SNC Plumbing & Fire Protection

ADDRESS:

1730 44th Avenue

CITY, STATE, ZIP:

San Francisco, CA 94122

(415)-550-1129PHONE:

BUSINESS PHONE: (415)-550-1129

(Date)

Fire Chief

David J. Zaopatini

SPRINKLER SYSTEMS

INSPECTION	BY	DATE
PLANS REVIEWED	WCL	06/17/96
UNDERGROUND INSPECTION	N/A	
UNDERGROUND HYDRO	N/A	
UNDERGROUND FLUSH	N/A	•
OVERHEAD HYDRO	N/A	
OVERHEAD INSPECTION	WCL	06/20/96
ALARM TEST	N/A	Tana Canada
FINAL	WCL	06/20/96

U.L. CERT. ISSUED:

SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION ACKNOWLEDGMENT

Date: 06/17/96

Dear Applicant:

Your permit application has been received. The current status and conditions pertaining to this application are noted below.

PERMIT NUMBER:

FPB 96-2062

CATEGORY:

Commercial

ADDRESS OF PROJECT:

9000 Northgate Mall

PROJECT/BUSINESS:

Jiffy Lube

OWNER/CONTRACTOR:

SNC Plumbing & Fire Protection

MAILING ADDRESS:

1730 44th Avenue

CITY/STATE/ZIP:

San Francisco, CA 94122

PHONE:

۰,

(415)-550-1129

06/17/96

The Inspections listed below are required to be conducted/witnessed by San Rafael Fire Prevention Bureau personnel prior to issuance of the permit.

INSPECTIONS REQUIRED:

Final System
Plan Review
Overhead Inspection
Alarm Test/UL Certification
Final

At least one business day prior notice is required to schedule an inspection appointment. Contact the San Rafael Fire Prevention Bureau at 485-3308.

pd nyyny

SAN RAFAEL FIRE DEPARTMENT

PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

96-2062

Address of Project 9000 NORT	IGHTE MALL (SEAR	'S MITO CENT	ER)
Project/Business Name JIFFY LUB	E		
Contractor's Name SNC PUMBIN	G & FIRE PROTECT	TON INC. (
Address 1730, 94THAU	IF.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
City, State, Zip SAN FRAM	LIEL MANIZO	The Ne and	C - Str - 1129 (Assumer)
	,		
Mailing Address for Invoices (if differ	rent than above)		CEL 415-699-608
State Contractors License # 595176			
San Rafael Business License # 240	675 Ex	piration <u>6-31</u>	<u>-96</u>
A time keeping form will be kept to tra on your project to the nearest ½ hour, indirect costs for actual expenses incu necessary to review your project. The be mailed to you. Your project Permit fees are due and payable upon receipt of fee and 1 1/2% per month interest will pursue all other legal remedies for unp vices, you will be invoiced during each	with a minimum one hour correct for consultant and/or fee will be collected at will not receive final First the invoice and become be charged. In addition to aid accounts. On project month that the balance expenses	harge. The Departm r contractual servi the completion of y re Department appro- overdue 30 days late o not issuing final s that accumulate m xceeds 3 hours (or	ent will also charge direct and ces plus overhead which may be our project, and an invoice will val until all fees are paid. The er, at which time a 1/2 hour late approval, the Fire Department will ore than 3 hours (or \$150) in ser-\$150).
I have read the above statement regardi agree to pay such fees and understand to of perjury, I declare that I am duly au	hat they are due prior to	final acceptance o	f my project. Further, under penalty
· 9800	PRUIDENT	CTELES (1	11) (12.9/
Signature	Title	Orint Hamo	H) 6-13-96
31 gha cur c	1166	FI IIIC Mane	Da CE
UFC PERMITS:			
Aircraft refueling vehicles	Flammable or combustible operation and excavation	e liquid pipeline	Nitrate film
Aircraft repair hanger	Flammable or combustibl		Oil and natural gas wells
Automobile wrecking yard	Fruit ripening	•	Open burning
Bonfires or rubbish fires	Fumigation or thermal i	nsecticidal fogging	Open-flame devices in marinas
Bowling pin or alley refinishing	Garages		Organic coatings
Burning in public place	Hazardous materials		Ovens, industrial baking or drying
Candles and open flames in assembly areas	Haz Mat site characteri	zation/	Parade floats
Cellulose nitrate storage	Investigation report		Places of assembly
Combustible fiber storage	Haz Mat site remediatio		Radioactive materials
Compressed gases, flammable	Highly toxic pesticides		Refrigeration equipment
Cryogens	High-piled combustible Junk yards	8LOCK	Spraying or dipping
Dry cleaning plants	Liquefied petroleum gas		Tank vehicles
Dust-producing operations	Lumber yards	6.0	Tents and sir-supported structures Tire recapping
Excavations near flammable or combustible liquid pipelines	Magnesium working		Waste material handling plant
Explosives or blasting agents	Mall, covered		Welding and cutting operations
	Monitoring well install	ation	
	Monitoring well destruc	tion	
PLAN REVIEWS:		·	
Automatic Sprinkler Systems, # of her	ads		
Automatic Fixed Fire Extinguishing S	ystems (specify)		
Dry Chemical, # of Nozzles			
Halon, # of Nozzles			
Other, explain			
Fire Alarm System		,	
Automatic Fire Detection System, # or			
Above Ground Tank Installation, f of			
Above Ground Tank Removal, / of tanks			
Underground Tank Installation, f of t			
Underground Tank Removal, # of tanks Underground Tank Abandonment in Place			
Underground Tank/Line Performance Ter		спристту	
Underground Tank Soils/Water Analytic			
Other explain			



FIRE SPRINKLERS

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ATTN:		Okan	<u>rev</u>	cer	<u>,</u>	<u></u>		JOB NO:		7703
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VE ARE	SEND	ING YOU AT	TTACHED [טאני [DER SEPARATE	COVER	VIA(X	LA D.	Mail	_ THE FOLLOWING:
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									CITY OF	SAN RAFAEL
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MAYOR ALBERT J. BORO

COUNCIL MEMBERS
DOROTHY L. BREINER
PAUL M. COMEN
MICHAEL A. SHIPPEY
JOAN C. THAYER

Fire Department: Phone (415) 485-3308; FAX (415) 453-1627

SAN RAFAEL FIRE DEPARTMENT

PERMIT

This Permit has been issued to the following, pursuant to the conditions stiuplated herein and in conformance with Uniform Fire Code, state and local ordinances.

This Permit expires when change of ownership, business name, or conditions outlined herein occur. This Permit shall be posted, visible and made available upon request by the Fire Prevention Inspector. This Permit may be revoked at any time for due cause in violtion of Uniform Fire Code.

PERMIT NO: FPB 94-2054 CATEGORY: Commercial

ADDRESS OF PROJECT: 9000 Northgate Mall

PROJECT/BUSINESS NAME: Sears

OWNER/CONTRACTOR: S & S Fire Protection, Inc.

ADDRESS: 3090 Osgood Court CITY, STATE, ZIP: Fremont, CA 94539 PHONE: (510)-651-0247 BUSINESS PHONE:

Milliam G-29-94 (Date)

SPRINKLER SYSTEMS

INSPECTION	ВУ	DATE
PLANS REVIEWED	WCL	06/16/94
UNDERGROUND INSPECTION	N/A	• •
UNDERGROUND HYDRO	N/A	
UNDERGROUND FLUSH	N/A	
OVERHEAD HYDRO	N/A	
OVERHEAD INSPECTION	WCL	06/29/94
ALARM TEST	N/A	, .
FINAL	WCL	06/29/94

U.L. CERT. ISSUED:

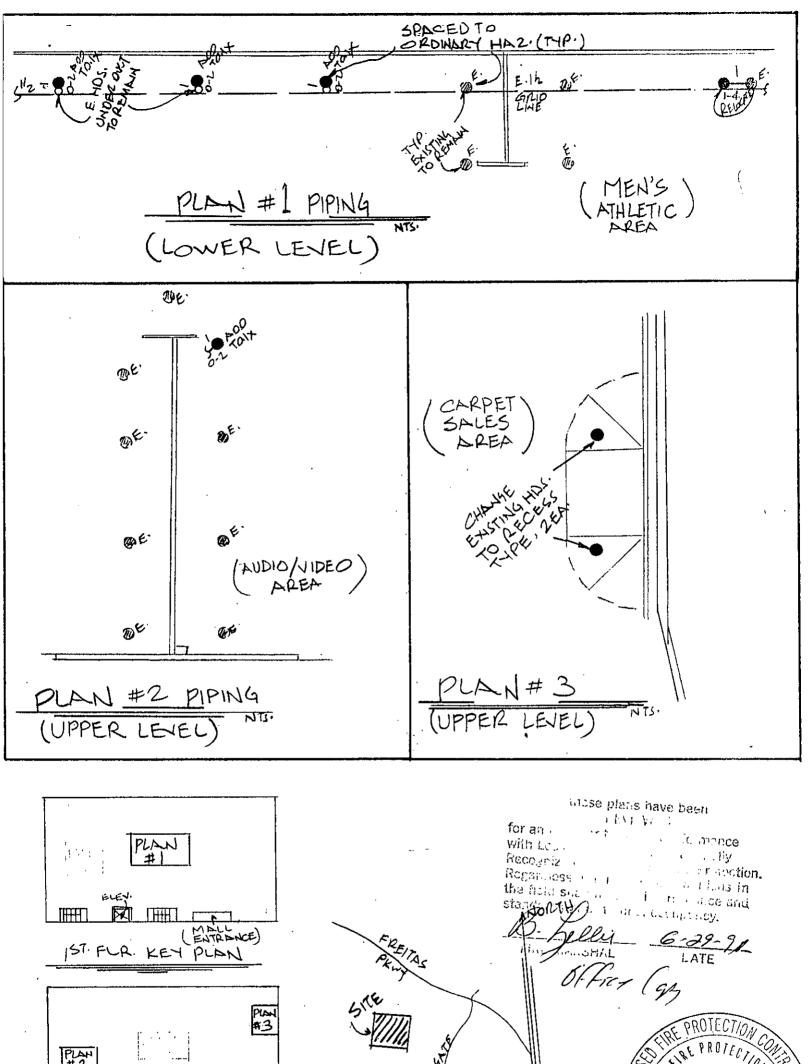
SAN RAFAEL FIRE DEPARTMENT

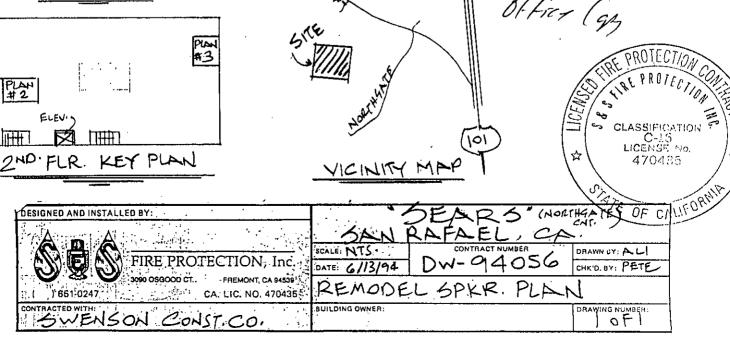
94-2054

PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

	9000	
Address of Project <u>Northaa</u>	te Center - Sears	
Project/Business NameSear	<u> </u>	
Contractor's Name S 4 S	Fire Protection, Inc	•
Address 3090 (Osgood Court	
City State 7in Frem	nout, CH 94539 Phone No	651-0247 (5-10)
Mailing Address for Invoices (if diffe		-65
_	43.5 Expiration <u>3-3/</u>	
an Rafael Business License I Chear	usteds Expiration	<u></u>
on your project to the nearest & hour indirect costs for actual expenses in necessary to review your project. The mailed to you. Your project Permifees are due and payable upon receipt fee and 1 1/2% per month interest will oursue all other legal remedies for u	fack time spent on your project. You will be, with a minimum one hour charge. The Departs curred for consultant and/or contractual serve fee will be collected at the completion of t will not receive final Fire Department approf the invoice and become overdue 30 days lall be charged. In addition to not issuing final npaid accounts. On projects that accumulate inch month that the balance exceeds 3 hours (or	ment will also charge direct and ices plus overhead which may be your project, and an invoice will oval until all fees are paid. The ter, at which time a 1/2 hour late I approval, the Fire Department wi more than 3 hours (or \$150) in ser
gree to pay such fees and understand	ding fees for this project, and I understand that they are due prior to final acceptance authorized to encumber expenses on behalf of	of my project. Further, under pena
		C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tamvelle Spirme	Clark LAURALEE	Sprouse 6/14/94
Signature	litle Print Name	Date ,
UFC PERMITS:	•	·
Aircraft refueling vehicles	Flammable or combustible liquid pipeline operation and excavation	Nitrate film
Aircraft repair hanger	Flammable or combustible liquids and tanks	Oil and natural gas wells
Automobile wrecking yard	Fruit ripening	Open burning
Bonfires or rubbish fires	Fumigation or thermal insecticidal fogging	Open-flame devices in marinas
Bowling pin or alley refinishing	Carages	Organic coatings
Burning in public place	Hazardous materials	Ovens, industrial baking or drying
Candles and open flames in assembly areas		Parada floats
Cellulose nitrate storage	Haz Mat site characterization/ Investigation report	Places of assembly
Combustible fiber storage	Haz Mat site remediation report	Radioactive materials
Compressed gases, flammable	Highly toxic pesticides	Refrigaration equipment
Cryogens	High-piled combustible stock	Spraying or dipping
Dry cleaning plants	Junk yards	Tank vehicles
Dust-producing operations	Liquefied petroleum gases	Tunts and air-supported structures
Excavations near flammable or	Lumber yards	Tire recapping
combustible liquid pipelines	Magnesium working	Waste material handling plant
Explosives or blasting agents	Mall, covered	Welding and cutting operations
	Monitoring well installation	
PLAN REVIEWS:	Monitoring well destruction	
X Automatic Sprinkler Systems, / of	heads 7	
Automatic Fixed Fire Extinguishing		
Dry Chemical, # of Nozzlas	•	•
Halon, # of Nozzles		
Other, explain	•	
Fire Alarm System		
Automatic Fire Detection System,	of detactors	·
Above Ground Tank Installation, /	of tanks, tank capacity _ !	<u>.</u>
Above Ground Tank Removal, # of ta	nks, tank capacity	
Underground Tank Installation, # o	f tanks, tank capacity	-
Underground Tank Removal, # of tan	ks, tank capacity	,
Underground Tank Abandonment in Pl	ace, f of tanks, tank capacity	·
Underground Tank/Line Performance	Test	
Underground Tank Soile/Water Analy	tical Report	
Other, explain		·





C



FIRE PROTECTION EQUIPMENT PERFORMANCE CERTIFICATE

IN ACCORDANCE WITH TITLE 19,
SUBCHAPTER 5, CALIFORNIA ADMINISTRATIVE CODE
AND MUNICIPAL FIRE CODE

San Lafeal Ca Ban Lafeal Ca Ban Sears RESPONSIBLE PERSON/AGENT Jim CHISH MAILING ADDRESS. CITY	1, 1 9490 PHONE 415 150	0 5 7-2300 ZIP	AUTO SPRINKLER SYSTEM CLASS I - DRY STANDPIPE SYSTEM CLASS II - WET STANDPIPE SYSTEM CLASS III - COMBINATION STANDPIPE SYSTEM CLASS IV - COMBINED (STANDPIPE SPRINKLER) SYSTEM OTHER-SPECIFY
	DEF	ECTS FOUN	ID
1. CHeck Va 2. Main con	1 . / . /	king By	ing in Autocenter on
- 7 KISEK	, 6 KIS	SER	RECEIVED
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			JUL 0 1 1993
			CITY OF SAN PAFAEL
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1	RE	PAIRS MAD	E .
All Rep	Dails M	rade	5-20.93
7			
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		- · · · · ·	
	C	ERTIFICATION	
I THEREBY CERTIFY THAT THE FIRE FINDICATED ABOVE HAS BEEN TESTED THE CALIFORNIA ADMINISTRATIVE CODE AND THE MUNICIPAL FIRE CODE.	IN ACCORDANCE \	WITH IN CON	CESSARY MAINTENANCE AND REPAIRS HAVE BEEN MADE IPLIANCE WITH THE CALIFORNIA ADMINISTRATIVE CODE SUBCHAPTER 5 AND THE MUNICIPAL FIRE CODE.
INITIAL TESTING DATE 5-6-93		FINAL TEST	ing date 5, 20, 93
SIGNATURE	TITLE	SIGNATURI	·
TESTING AGENCY	LICENSE NO.	ADDRESS	PHONE
MASTER PROTECTION CORPORATION			
FIRE DEPT. PHONE NUMBER IN:	FIRE DEI	PARTMENT USE	ONLY ASSIGNMENT
M1704 5/92 WHITE ORIGIN	IAL OFFICE CANA	BY FIDE DEDT C	OPY PINK — CUSTOMER COPY

AUTOMATIC SPRINKLER SYSTEM CALIFORNIA CODE OF REGULATIONS, TITLE 19, SUBCHAPTER 5

Carrier.	CALIFOR	WA CODE O	T REGUENT	IONS, IIILE I	3, 3000 (IIA)	, EN 0				
9000 Northgate Ma	11	Assta	Center		PHONE NO.	07-230	Λ	DATE	6-93	
1. GENERAL	. 4. 4	Auto	Center	- ····	410-0	0/-230	V		0-33	NO.
• ARE ALL SYSTEMS IN SERVICE?					 			YES	1	NO K
								ä		K
• IS BUILDING COMPLETELY SPRI								×		
• IS ALL STOCK 18 INCHES BELOT	W SPRINKLE	ER HEADS?				• • • • • • • • • • • • • • • • • • • •	• • • •	K	}	
2. CONTROL VALVES			•••							
• ARE ALL SPRINKLER SYSTEM M								X		
 ARE ALL OTHER VALVES SECUR ARE ALL VALVES IDENTIFIED? 										
	OP	·······		URED	CLO	SED	<u> </u>	SIGN	<u> </u> 8	N/A
TYPE	YES	NO	YES	NO	YES	NO	<u> </u>	YES	NO	1,000
CITY CONNECTION VALVE	X		X			×		×		
TANK VALVES	· 🗀 🔰									
PUMP VALVES SECTION VALVES	<u> </u>	→ □,	□ ∜	, <u>Q</u>	4 D					ŽÍ
SYSTEM VALVES	<u> </u>						İ	X	ä	
3. TANK PUMPS FIRE D	EPARTM	MENT CO	NNECT	IONS			N/A	YES		NO
ARE FIRE DEPARTMENT CONNE				DITION;	REC	EIVED	_]			
COUPLINGS FREE, CAPS IN PLACE LOCATION NORTH CENTE		ECK VALVE	S TIGHT?					Ø		
ARE FIRE PUMPS, GRAVITY TAN		OIRS AND	PRESSURE	TANKS IN	JUL	1 1993			-,	
GOOD CONDITION AND PROPER	RLY MAINTA	INED?			FIRE	DEPT	5			
4. ALARMS					CITYOF	an Rafae	-			
• IS INSPECTORS TEST VALVE SA								Œ		
 IS WATER MOTOR/GONG TEST IS ALARM TEST SATISFACTORY 			TION NOT	RTH_CNNT	ER BY F	DC	밀	X		
• IS SUPERVISORY ALARM TEST S			ION SEAF	S AT ARM	CO			X X		
ARE ALARM VALVES/WATER FL						ITION?	5	<u>K</u>		
5. SPRINKLERS-PIPING										
• ARE ALL SPRINKLERS IN GOOD CONDITION, NOT OBSTRUCTED; AND FREE OF CORROSION OR LOADING? • IS CONDITION OF PIPING, DRAIN VALVES, HANGERS, PRESSURE GAUGES SATISFACTORY?										
			PRESSURE	GAUGES SAT	ISFACTORY	7 ~	ŀ	X		
• ARE ALL SPRINKLERS LESS THAN 50 YEARS OLD? • ARE SPARE HEADS READILY AVAILABLE IN APPROPRIATE NUMBER AND TYPE?							 .			
• IS SPRINKLER HEAD WRENCH AVAILABLE AND APPROPRIATE?										
HAVE SPRINKLERS BEEN CHECK	● IS SPRINKLER HEAD WRENCH AVAILABLE AND APPROPRIATE? ● HAVE SPRINKLERS BEEN CHECKED FOR PROPER TEMPERATURE RATING? ● ARE REQUIRED HAND HOSES ON SPRINKLER SYSTEMS IN SATISFACTORY CONDITION? ■ □									
	N SPRINKLE	R SYSTEM	S IN SATISI	FACTORY COI	NDITION? >	•		20		
6. MAIN DRAIN TEST	٥٢	105	·	100	<u>7. SYS</u>					
STATIC PRESSURE, BEFORE	<u>33</u> AFT	ER 135	RESID	DUAL 130		STEM BACI				NO
8. REMARKS			•		DATE DA	31 FERFU	NVIEL			
			CERTIFI	CATION						
HEREBY CERTIFY THAT THE FIRE PI				ALL NECESS	ARY MAINTE	NANCE AND	REP	AIRS HAVE	BEEN N	IADE IN
ABOVE HAS BEEN TESTED IN ACCORDANCE WITH THE CALIFORNIA COMPLIANCE WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE CODE OF REGULATIONS, TITLE 19, SUBCHAPTER 5 AND THE MUNICIPAL 19, SUBCHAPTER 5 AND THE MUNICIPAL FIRE CODE.										
FIRE CODE. INITIAL TESTING DATE FINAL TESTING DATE										
5-6-93					52-20	ックろ	2			
SIGNATURE		TITLE		SIGNATURE	>		-	TITL	E	
TESTING AGENCY		ILICEN	SE JADE	PRESS				PHON		
MASTER PROTECTION COR	PORATION			<u> </u>				FROM	-	
Fine Deny Ollaring Tra			FIRE DEPT.	USE ONLY						
FIRE DEPT. PHÔNE NO.	INSPECTO	PR				-	SSIGN	MENT		
M1705 6/92	WHITE - ORIG	SINAL OFFICE	CANARY - FIR	E DEPT. COPY F	INK - CUSTOME	R COPY				



ADDRESS



WET STANDPIPES CLASS II

BLDG, YEAR (APPROX.) NO. OF FLOORS STREET STATIC PSI REQUIRED FLOW

1970 3 100 STATE

70 GPM

30 PSI

9000 Nothhgate Mall

San Rafael.

CA

94903

(American Control of C	•	· · · · · · · · · · · · · · · · · · ·	DE:	SULTS	#		
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OUTLET 5		OUTLET 6		OUTLET 7		OUTLET 8	, 0,
GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI
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(OPEN EACH VALVE TO	O INSURE	· · · · · · · · · · · · · · · · · · ·		<u> </u>			
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AS REQUIRED)				•		÷	
HOSE AND RACK ASSEMBLY	⊠ ок						
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CABINETS AND FITTINGS	. ⊠ ок		•				<u>:</u>
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PRESSURE TANKS	□ок			,		JULOTE	<i>3</i> 3 3
AIR COMPRESSOR	□ок					FIRE DEPT	
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INLINE PUMP				·			
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STATIC			· ·				
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PUMP MAX PSI				<u>'</u>	<u> </u>	'1	
TIME OF RUN	·						
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			CERTIF	ICATION			
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INITIAL TESTING DATE		<i>a</i> ¬		FINAL TESTING DATE	6 03		, ,
	- (3	7.5			-6-93		
SIGNATURE		TITLE	•	SIGNATURE.	1	TITLE	
TESTING AGENCY	P	LICNO.	ADDRESS			PHONE	
MASTER PROTE	CTION EN				š		
FIRE DEAT MICHELLIA	· · · · · · · · · · · · · · · · · · ·		FIRE DEPAR	RTMENT USE ONLY		4.00(0.0)	
FIRE DEPT. PHONE NUMBER		INSPECTOR				ASSIGNMENT	
		1 .		•			

AUTOMATIC SPRINKLER SYSTEM

Carlotte .	CALIFORNIA CODE C	FREGULAI	10143, 11112 13	3, 30BCHAF	· LN O					
ADBRESS OF BUILDING		_	_	PHONE NO.			DATE			
9000 Northgate Ma.	ll San Rafea	1, C	A	415-5	07-230	10	5-6	993		
1. GENERAL			· · · · · · · · · · · · · · · · · · ·				YES		<u> </u>	
• ARE ALL SYSTEMS IN SERVICE? • IS BUILDING PARTIALLY SPRINK							X :	_	□ 3 1	
IS BUILDING COMPLETELY SPRI							8		ב ב	
• IS ALL STOCK 18 INCHES BELO	W SPRINKLER HEADS?						$\overline{\mathbf{x}}$		Ī	
						İ				
2. CONTROL VALVES /							<u> </u>	<u> </u>		
• ARE ALL SPRINKLER SYSTEM M • ARE ALL OTHER VALVES SECUE							⊠	1		
• ARE ALL VALVES IDENTIFIED?							<u>X</u>	1	╡	
	OPEN		CURED	CLO			SIGNS	<u> </u>	N/A	
TYPE	YES NO	YES	NO	YES	NO	- 	YES	NO	1	
CITY CONNECTION VALVE	8 0	X			K		Z)			
TANK VALVES									ሾ	
PUMP VALVES SECTION VALVES	. —				- D	- -				
SYSTEM VALVES					X		.X			
3. TANK PUMPS FIRE D			TIONE	<u> </u>		<u> </u>	<u>.— .</u>			
ARE FIRE DEPARTMENT CONNI						N/A	YES	<u> </u>	10	
COUPLINGS FREE, CAPS IN PLA	CE. AND CHECK VALVE		orrion,				Œ	1 0		
LOCATION SOUTH CENTE	R						_		_	
ARE FIRE PUMPS, GRAVITY TAN		PRESSURE	TANKS IN		. •			١,	_ • .	
GOOD CONDITION AND PROPE	RLY MAINTAINED?				*			'	┙,	
4. ALARMS						\vdash	<u> </u>			
 IS INSPECTORS TEST VALVE SA IS WATER MOTOR/GONG TEST 			TREKR				, X		╡,	
• IS ALARM TEST SATISFACTORY							×			
• IS SUPERVISORY ALARM TEST	SATISFACTORY? LOCA	TION_SEA	RS ALARM	CO.			K		3	
• ARE ALARM VALVES/WATER F	LOW INDICATORS AND	RETARDS	IN SATISFACT	ORY COND	TION?		图			
5. SPRINKLERS-PIPING	5. SPRINKLERS-PIPING									
• ARE ALL SPRINKLERS IN GOOD CONDITION, NOT OBSTRUCTED; AND FREE OF CORROSION OR LOADING?										
• IS CONDITION OF PIPING, DRAIN		PRESSURE	GAUGES SAT	ISFACTORY	7		Œ	-	Ξ,	
 ARE ALL SPRINKLERS LESS THAT ARE SPARE HEADS READILY A 		DIATE NILINA	DED AND TV	מכו) Z	1 7	⊒'	
IS SPRINKLER HEAD WRENCH A			BEN AND IT	-Er			X]]	
. HAVE SPRINKLERS BEEN CHECK	KED FOR PROPER TEMI	PERATURE	RATING?) · / }	ì	*	N N	[<u> </u>	
• ARE REQUIRED HAND HOSES O	N SPRIŇKLER SYSTÉM	S IN SATIS	FACTORY COM	NDITION?"	4-1 4 {		X	' [□ .	
6. MAIN DRAIN TEST				7. SYS	TEM					
DIVING FREEDOME, BEI ONE	40 AFTER 140	RESI					WED? 🔀 YE		0	
8. REMARKS '	40 140		130	DATE LA	ST PERFO	RME	1988			
,										
CERTIFICATION										
I HEREBY CERTIFY THAT THE FIRE PROTECTION EQUIPMENT INDICATED ALL NECESSARY MAINTENANCE AND REPAIRS HAVE BEEN MADE IN										
ABOVE HAS BEEN TESTED IN ACCORDANCE WITH THE CALIFORNIA COMPLIANCE WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE										
CODE OF REGULATIONS, TITLE 19, SUBCHAPTER 5 AND THE MUNICIPAL 19, SUBCHAPTER 5 AND THE MUNICIPAL FIRE CODE.										
INITIAL TESTING DATE										
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TESTING AGENCY										
MASTER PROTECTION COI	IPORATION	FIDE DOS	LICE ON Y					1		
FIRE DEPT. PHONE NO.	INSPECTOR	FIRE DEPT	. USE ONLY			ASSIGI	MENT		.	
	ي من									
M1705 6/92	WHITE - ORIGINAL OFFICE	CANARY - FIF	RE DEPT. COPY P	INK - CUSTOME	R COPY					

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MAYOR ALBERT J. BORO

COUNCIL MEMBERS
DOROTHY L. BREINER
PAUL M. COHEN
MICHAEL A. SHIPPEY
JOAN C. THAYER

Fire Department
September 17, 1992

Mr. Jim Chisholm Sears Roebuck & Co. 9000 Northgate Mall San Rafael, CA 94903

Dear Mr. Chisholm:

Based upon your request for an annual permit for the erection of a sales tent several times a year, your request has been granted if the following conditions are met for each installation:

- 1. Notify the Fire Department prior to the dates of the tent erection, with the days of the event and take down.
- 2. The Permit is for the exclusive use of Sears Roebuck, with the State Fire Marshal labeled tent you now own.
- 3. All other conditions apply as stated in the standards previously provided.
- 4. The Permit is to be renewed annually (prior to September 30).

If you have any further questions regarding this Permit, please do not hesitate to phone.

Sincerely,

ROBERT E. MARCUCCI

Fire Chief

BRADLEY R. MARK Fire Inspector

REM: BRM: ss

Enclosure



MAYOR ALBERT J. BORO

COUNCIL MEMBERS DOROTHY L. BREINER PAUL M. COHEN MICHAEL A. SHIPPEY JOAN C. THAYER

Fire Department: Phone (415) 485-3308; FAX (415)453-1627

SAN RAFAEL FIRE DEPARTMENT

PERMIT

This Permit has been issued to the following, pursuant to the conditions stipulated herein and in conformance with Uniform Fire Code, state and local ordinances.

This Permit expires when change of ownership, business name, or conditions outlined herein occur. This Permit shall be posted, visible and made available upon request by the Fire Prevention Inspector. This Permit may be revoked at any time for due cause in violation of the Uniform Fire Code.

PERMIT NO: FPB 92-1057

ADDRESS OF PROJECT:

PROJECT/BUSINESS NAME: OWNER/CONTRACTOR:

ADDRESS:

CITY, STATE, ZIP:

PHONE:

9000 Northgate Mall

Sears Roebuck & Co. Attn: Jim Chisholm

9000 Northqate Mall San Rafael, CA 94903

BUSINESS PHONE:

Issued By

Date

PERMIT: Tents and Air-Supported Structures

> Article 12, UFC CONDITION: CONDITION: Article 32, UFC CONDITION: Title 19, CCR CONDITION: Title 24, CCR

ADDITIONAL CONDITIONS:

This permit expires Sept. 30,1993. For additional conditions refer to letter in

file.

SAN RAFAEL FIRE DEPARTMENT

PERMIT (Continuation)

PERMIT NO: FPB 92-1057

PROJECT/BUSINESS NAME: Sears Roebuck & Co.

OWNER/CONTRACTOR: Attn: Jim Chisholm

PERMIT: Tents and Air-Supported Structures

INSPECTION REQUIRED INSPECTED BY DATE

472-3670 SAN RAFAEL FIRE DEPARTMENT

PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

Address of Project	7-001			9450
Project/Business Name	es Roseible	cic 9 co		
Contractor's Name				
Address		•		1116
City, State, Zip		Phone No	ρ	0,1993
Mailing Address for Invoices (if diff	•	.	100 C DY 2	;O ₁ ' '
State Contractors License #		Expiration	9 50%	
San Rafael Business License /				
San Raidel Business License F				
A time keeping form will be kept to to no your project to the nearest 1/2 hour indirect costs for actual expenses in necessary to review your project. The mailed to you. Your project Permi fees are due and payable upon receipt fee and 1 1/2% per month interest will pursue all other legal remedies for u vices, you will be invoiced during ea	, with a minimum one curred for consultane e fee will be collect will not receive fof the invoice and loe charged. In addingaid accounts. On the month that the ba	e hour charge. The Department and/or contractual serviced at the completion of your line of the hour charge of the completion of your line of the complete of the line of the	ment will also char ices plus overhead a your project, and a oval until all fees ter, at which time a l approval, the Fir more than 3 hours (a \$150).	ge direct and which may be n invoice will are paid. The a 1/2 hour late e Department will or \$150) in ser-
I have read the above statement regar agree to pay such fees and understand of perjury, I declare that I am duly	that they are due p	rior to final acceptance o	of my project. Fur	ther, under penalty
				. /
	AME	Tim (Histo	سے و	3/28/92
Signature	Title	Print Name	Da	ue /
WFC PERMITS:	,			
Aircraft refueling vehicles	operation and	ombustible liquid pipeline excavation	Nitrate film	l and welle
Aircraft repair hanger	Flammable or c	ombuutible liquids and tanks	Oil and natura	IT Res MATTS
Automobile wrecking yard Bonfires or rubbish fires	Fruit ripening		Open-flame de	vices in marines
Bowling pin or alley refinishing	Funigation or	thermal insecticidal fogging	Organic coati	
Burning in public place	Garages	•	Organic coatri	
Candles and open flames in	Hazardous mate	rials	Parade floats	2
assembly areas	Haz Mat site c	haracterization/	Places of ass	ambly
Cellulose nitrate storage	_	emediation report	Eadioactive ma	-
Combustible fiber storage	Highly toxic p	•	Refrigeration	equipment
Compressed gases, flammable	High-piled com		£praying or d	Lpping
Cryogens	Junk yards .		Tank vehicles	
Dry cleaning plants	Liquofied petr	oleum gases	Tonts and air-en	
Dust-producing operations	Lumber yards		Tire recapping	š
Excavations near flammable or combustible liquid pipelines	Magnesium work	ing	Vaste materia	l handling plant
Explosives or blasting agents	Mall, covered		Welding and cu	cting operations
	Monitoring wel	l installation		
	Monitoring wel	1 destruction		
PLAN REVIEWS:			DNDITION	S
Automatic Sprinkler Systems, / of	heads		STNOTIFY	NONT IN
Automatic Fixed Fire Extinguishing	•	<i>), 700</i>	100/17-9	sep, when
Dry Chemical, # of Nozzles		•	nt is to le	
Halon, # of Nozzles	•	رم ع	pen permit	FOR SCARS
Other, explain			NEY; WITH	
Fire Alarm System		· u	ofich Atas a	een autouce
Automatic Fire Detection System,	· ——-	3.	INSPECTION	- Repuired
Above Ground Tank Installation, #		ink capacity	_	
Above Ground Tank Removal, # of ta				
Underground Tank Installation, # of	or cause, te	nak capacity	THE STAWN	ARM
Underground Tank Removal, # of tan Underground Tank Abandonment in Pl				· · · · · · · · · · · · · · · · · · ·
Underground Tank/Line Performance		, cans capacity		
Underground Tank Soils/Water Analy				
- ander Product taux polita / Astal Wigit	erear wohote			

_ Other, explain

SAN RAFAEL FIRE DEPARTMENT

PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

UF 02 1992

RECEIVED

92.1041 Address of Project 513A-25 Project/Business Name Contractor's Name Address City, State, Zip Phone No. Mailing Address for Invoices (if different than above) State Contractors License # _ Expiration San Rafael Business License # Expiration

A time keeping form will be kept to track time spent on your project. You will be charged for the actual time spent on your project to the nearest & hour, with a minimum one hour charge. The Department will also charge direct and indirect costs for actual expenses incurred for consultant and/or contractual services plus overhead which may be necessary to review your project. The fee will be collected at the completion of your project, and an invoice will be mailed to you. Your project Permit will not receive final Fire Department approval until all fees are paid. The fees are due and payable upon receipt of the invoice and become overdue 30 days later, at which time a 1/2 hour late fee and 1 1/2% per month interest will be charged. In addition to not issuing final approval, the Fire Department will pursue all other legal remedies for unpaid accounts. On projects that accumulate more than 3 hours (or \$150) in services you will be invoiced during each month that the balance exceeds 2 hours (or \$150)

	<u> </u>		- 7/2
Signature	Title	Print Name	Date
5.g		TTTTT TELEVISION	, 5535
C PERMITS:			
_ Aircraft refueling vehicles	Flammable or combus operation and excav	stible liquid pipeline	Nitrate film
_ Aircraft repair hanger		etible liquide and tanks	Oil and natural gas wells
_ Automobile wrecking yard		cible liquids and canks	Open burning
Bonfires or rubbish fires	Fruit ripening		Open-flame devices in maris
_ Bowling pin or alley refinishing	<u> </u>	mal insecticidal fogging	Organic coatings
_ Burning in public place	Z Garages		Ovens, industrial baking or dry
Candles and open flames in	Hazardous materials		Parade floats
assembly areas	Haz Mat site character Investigation report		Places of assembly
_ Cellulose nitrate storage	Haz Mat site remed:		Radioactive materials
_ Combustible fiber storage	Highly toxic pestic	-	Refrigeration equipment
_ Compressed gases, flammable	High-piled combust:		Spraying or dipping
Cryogens	Junk yarde	.DIE BLOCK	Tank vehicles
_ Dry cleaning plants			
_ Dust-producing operations	Liquefied petroleum	ı Brana	Tents and air-supported structu
_ Excavations near flammable or	Lumber yards		Tire recapping
combustible liquid pipelines	Magnesium working		Wasta material handling pla
Explosives or blasting agents	Mall, covered		Welding and cutting operation
	Monitoring well in		
<u> </u>	Monitoring well de	truction	
AN REVIEWS:			
Automatic Sprinkler Systems, # of h	•		
Automatic Fixed Fire Extinguishing	Systems (specify)		
Dry Chemical, / of Nozzles	 		
Halon, # of Nozzles			
Other, explain		•	
_ Fire Alarm System			
_ Automatic Fire Detection System, #	of detectors		
_ Above Ground Tank Installation, 🕴 o	of tanks, tank c	apacity	
_ Above Ground Tank Removal, / of tar	iks, tank capacit	у	
_ Underground Tank Installation, # of	tanks, tank c	apacity	
Underground Tank Removal, # of tank	s, tank capacit	у	
Underground Tank Abandonment in Pla			
Underground Tank/Line Performance T		• • •	
_ Underground Tank Soils/Water Analyt	ical Report		



ALBERT J. BORO

COUNCIL MEMBERS DOROTHY L. BREINER PALL M. COHEN. MICHAEL A. SHIPPEY JOAN C. THAYER

Fire Department: Phone (415) 485-3308; FAX (415)453-1627

SAN RAFAEL FIRE DEPARTMENT

PERMIT

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PERMIT NO: FPB 92-1029

ADDRESS OF PROJECT: PROJECT/BUSINESS NAME:

OWNER/CONTRACTOR:

ADDRESS:

CITY, STATE, ZIP:

PHONE: (415)-472-3670 BUSINESS PHONE:

9000 Northgate Mall

Sears Roebuck & Co. Attn: Jim Chisholm

9000 Northqate Mall San Rafael, CA 94903

PERMIT: Tents and Air-Supported Structures

> CONDITION: Article 12, UFC CONDITION: Article 32, UFC CONDITION: Title 19, CCR CONDITION: Title 24, CCR

SAN RAFAEL FIRE DEPARTMENT

PERMIT (Continuation)

PERMIT NO: FPB 92-1029

PROJECT/BUSINESS NAME: Sears Roebuck & Co.

OWNER/CONTRACTOR: Attn: Jim Chisholm

PERMIT: Tents and Air-Supported Structures

INSPECTION REQUIRED INSPECTED BY DATE

SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

Address of Project 9000 L	JOSEPHANTE WALL >	AN PAFABLUK
Project/Business Name Sylves	Robert & Co.	
Contractor's Name		<u>.</u>
Address		•
City, State, Zip	RACARL CA 94503 phone No.	415-472-3670
Mailing Address for Invoices (if dif		
-	· · · · · · · · · · · · · · · · · · ·	40604 64 5
,	Expiration	up/already s
San Rafael Business License #	Expiration	
on your project to the nearest & hou indirect costs for actual expenses in necessary to review your project. The mailed to you. Your project Perm fees are due and payable upon receip fee and 1 1/2% per month interest wipursue all other legal remedies for vices, you will be invoiced during en	track time spent on your project. You will be r, with a minimum one hour charge. The Departm neurred for consultant and/or contractual servine fee will be collected at the completion of yit will not receive final Fire Department approx t of the invoice and become overdue 30 days lately 11 be charged. In addition to not issuing final unpaid accounts. On projects that accumulate mach month that the balance exceeds 3 hours (or	ment will also charge direct and lees plus overhead which may be your project, and an invoice will oval until all fees are paid. The ter, at which time a 1/2 hour late approval, the Fire Department will more than 3 hours (or \$150) in ser-\$150).
agree to pay such fees and understand	rding fees for this project, and I understand he detail they are due prior to final acceptance of authorized to encumber expenses on behalf of the second second second second second second second second second second sec	of my project. Further, under penal the firm listed above.
x tet	Auf Jim CHISHOL Title Print Name	<u> 5/18/92</u>
Signature	Title Print Name	/ Date/
UFC PERMITS:	,	,
Aircraft refueling vehicles	Flammable or combustible liquid pipeline	Nitrate film
Aircraft repair hanger	operation and excavation	Oil and natural gas wells
Automobile wrecking yard	Flammable or combustible liquids and tanks	Open burning
Bonfires or rubbish fires	Fruit ripening	Open-flame devices in marinas
Bowling pin or alley refinishing	Fumigation or thermal insecticidal fogging Garages	Organic coatings
Burning in public place	Garages Hazardous materials	Ovens, industrial baking or drying
Candles and open flames in assembly areas	Haz Mat site characterization/	Parade floats
Cellulose nitrate storage	Investigation report	Places of assembly
Combustible fiber storage	Haz Mat site remediation report	Radioactive materials
Compressed gases, flammable	Highly toxic pesticides	Refrigoration equipment
Cryogens	High-piled combustible stock	Spraying or dipping
Dry cleaning plants	Junk yards	Tank vehicles
Dust-producing operations	Liquefied petroleum gases	Tents and air-supported structures
Excavations near flammable or combustible liquid pipelines	Lumber yards	Tire recapping
Explosives or blasting agents	Magnesium working Mall, covered	Waste material handling plant
	Monitoring well installation	Welding and cutting operations
The second second	Monitoring well destruction	
PLAN REVIEWS:		
Automatic Sprinkler Systems, / of	honds	
Automatic Fixed Fire Extinguishing	Systems (specify)	
Dry Chemical, # of Nozzles	, ————————————————————————————————————	
Halon, # of Nozzles		
Other, explain		
Fire Alarm System		,
Automatic Fire Detection System,		
	of tanks, tank capacity	
	nks tank capacity	
	f tanks, tank capacity	
	ace, f of tanks, tank capacity	
Underground Tank/Line Performance		_
Underground Tank Soils/Water Analy		
Other evolute		

<u>ALEIDODIO DE DE LI ELECTRIDADE DE CRECIPA DE CONTRODO</u> CITY SAN RAFAEL FORSEARS NORTHGATE MALL retardant treated (or are inherently nonflammable). × 9 The Flame Retardant Process Used will not This is to certify that the materials described on the reverse side hereof have been flame Certification is hereby made that: (Check "a" or "b") The articles described on the reverse side of this Certificate have been treated with a flame-retardant The articles described on the reverse side hereof are made from a flame-resistant fabric or materia chemical was done in conformance with the laws of the State of California and the Rules and chemical approved and registered by the State Fire Marshal and that the application of said Method of application..... Regulations of the State Fire Marshal registered and approved by the State Fire Marshal for such use Name of chemical used... Trade name of flame-resistant fabric or material used........ Certificate of Flame Resistance **APPLICATION** CONCERN No. REGISTERED F-337 ACADEMY TENT AND CANVAS, Los Angeles, CA 90058 2910 South Alameda Street ADDRESS 9000 NORTHGATE MALL STATE (will or will not) X2R Vinyl Be Removed by WashingChem. Reg. No... INC. 8/91 Reg. No.F-337 Date treated or manufactured

Tom Shapiro -

President

Name of Applicator or Production Superintendent

David Bradley



MAYOR
LAWRENCE E. MULRYAN

COUNCIL MEMBERS
ALBERT J. BORO
DOROTHY L. BREINER
MICHAEL A. SHIPPEY
JOAN C. THAYER

Fire Department

January 24, 1992

Mr. Jim Chisholm Sears 9000 Northgate Mall San Rafael, CA 94903

Dear Mr. Chisholm:

In looking through the file, I see there is no permit to utilize flammable or combustible liquids. Also the permit to operate a garage is not on file.

On the application form, I have check these two areas. If there are others related to the shop, please mark those areas, i.e., compressed gasses, flammables. There is only one fee for the application of more than one permit.

Please return the application to the San Rafael Fire Department, 1039 C Street, San Rafael, CA 94901 within the next two weeks. Thank you.

Sincerely,

ROBERT E. MARCUCCI

Fire Chief

BRADLEY R! MARI Fire Inspector

REM: BRM:ss

Enclosure



MAYOR ALBERT J. BORO

COUNCIL MEMBERS DOROTHY L. BREINER PAUL M. COHEN MICHAEL A. SHIPPEY JOAN C. THAYER

Phone (415) 485-3308; FAX (415)453-1627 Fire Department: SAN RAFAEL FIRE DEPARTMENT

PERMIT

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PERMIT NO: CATEGORY:

FPB 91-2170 Commercial

ADDRESS OF PROJECT:

9000 Northgate Mall

PROJECT/BUSINESS NAME:

Sears

OWNER/CONTRACTOR:

Scott Co.

ADDRESS:

1919 Market St.

CITY, STATE, ZIP:

Oakland, CA 94607

PHONE: (510) - 834 - 2333

BUSINESS PHONE:

SPRINKLER SYSTEMS

OI KINKE.	MIC OIDIDID	
INSPECTION	ВУ	DATE
PLANS REVIEWED	N/A	
UNDERGROUND INSPECTION	N/A	
UNDERGROUND HYDRO	N/A	
UNDERGROUND FLUSH	N/A	
OVERHEAD HYDRO	N/A	
OVERHEAD INSPECTION	brm	12/09/91
ALARM INSPECTION	N/A	, ,
ALARM TEST	N/A	

U.L. CERT. ISSUED:

COMMENTS: This permit is for three separate locations. Each project will need new permits.

. 91-2170

SAN RAFAEL FIRE DEPARTMENT

PERMIT APPLICATION

50693-63-4002

THIS IS NOT YOUR PERMIT

**ECEIVED

Address of Project	9000 North Gate Mall	DE	C 1 6 1991
Project/Business Name	Sears San Rafael		
	Scott Co.	Cmy 6	TRE DEDT. IF SAN RAFAEL
Contractor's Name	1919 Market St.		
Address		03	/ 2222 2222
City, State, Zip _	Oakland, Ca. 94607		4.2333 ext. 3382
Mailing Address for Invoice	es (if different than above) $_$	1919 Market St. Oak	land, Ca. 94607
State Contractors License A	184480	Expiration may ol,	1992
San Rafael Business License	022309	Expiration December	31, 1991
on your project to the near indirect costs for actual enecessary to review your probe mailed to you. Your profees are due and payable upfee and 1 1/2% per month in pursue all other legal removices, you will be invoiced.	rest & hour, with a minimum one expenses incurred for consultant oject. The fee will be collect piect Permit will not receive to con receipt of the invoice and atterest will be charged. In additional terms of the invoice and dies for unpaid accounts. On a during each month that the basement regarding fees for this permits and the count of th	e hour charge. The Department and/or contractual service ted at the completion of your final Fire Department approve become overdue 30 days late dition to not issuing final projects that accumulate moalance exceeds 3 hours (or \$ project, and I understand hour	our project, and an invoice will wal until all fees are paid. The er, at which time a 1/2 hour late approval, the Fire Department will ore than 3 hours (or \$150) in ser-\$150).
	understand that they are due p I am duly authorized to encumb		f my project. Further, under penalty ne firm listed above.
· Ch	Plumbing Fore	man	D 1 10 100
Signature	Title	G. Morris Print Name	December 12, 1991 Date
 	11011.	TTIIL HORE	Du ve
UFC PERMITS:			
Aircraft refueling vehi	.cles Flammable or c operation and	ombustible liquid pipeline excavation	Nitrate film
Aircraft repair hanger	Flammable or c	ombustible liquids and tanks	Oil and natural gas wells
Automobile wrecking yar	Fruit ripening	•	Open burning
Bonfires or rubbish fir	Fumigation or	thermal insecticidal fogging	Open-flame devices in marinas
Bowling pin or alley re	finishing Garages	35 5	Organic coatings
Burning in public place	Hazardous mate	rials	Ovens, industrial baking or drying
Candles and open flames assembly areas	in Haz Mat site c	haracterization/	Parade floats
Cellulose nitrate stora		•	Places of assembly
Combustible fiber store	ge	emediation report	Radioactive materials
Compressed gases, flamm			Refrigeration equipment
Cryogens	High-piled com	bustible stock	Spraying or dipping
Dry cleaning plants	Junk yards		Tank vehicles
Dust-producing operation		oleum gasos	Tents and air-supported structures
Excavations near flamma			Tire recapping
combustible liquid pipe Explosives or blasting		ing	Waste material handling plant
expressors or prascring		1 dostallandan	Welding and cutting operations
	Monitoring wel		
PLAN REVIEWS:	Monitoring wel		
	toms, I of heads 3 seperate	areas less than 10 ea	ch area.
	tinguishing Systems (specify)	-	
Dry Chemical, # of			
Halon, # of Nozzles			
Other, explain			
Fire Alarm System			
	n System, # of detectors		
	llation, / of tanks, ta	nk capacity	
	al, f of tanks, tank cap		
	lation, f of tanks, ta		
	l, f of tanks, tank cap		
	nment in Place, / of tanks		
Underground Tank/Line P		—·	
Underground Tank Soils/			

October 14, 1991

To:

Captain Tuohy

From:
Subject:

Bradley Mark

ct: Sears Automotive Sears Second Floor

Inspection Date: October 9, 1991

Automotive:

Hang extinguisher in shop - one on the floor.

10/1/21/2.

Lounge receptacle missing, behind refrigerator.

10/3.

Fix emergency lights in West stairwell

0 K-4.

Apply for permit.

0, /2/2/

Lighting along West, new parts retail wall is blocking sprinklers.

Second Floor:

01/21

Sprinkler contractor must contact the Fire Department prior to modifications for a permit.

OKV

Sprinklers have been in the eyeglass area and the furniture area.

110-922

Label manual valves for trash chute (sprinkler valves).

Signs.

Carpet storage area ceiling has holes. Much work has been completed.

Items Completed:

#31

#51

#68

#61

REINSPECTION DATE: November 6, 1991

A Pre-Citation will be issued if items not completed.

1-24-92 - AT THIS TIME ALL ABOUR GIOLATIONS
HAVE BEEN REPAIRED AND A PERMIT APPLICATION
HAS BEEN SENT TO MR. CHISHOLM.

1 × 611/4-2/1 - 472-3670

FIRE PREVENTION BUREAU

INSPECTION NOTICE
JOB LOCATION AT: SEARS AUTOMOTIVE
Your job was inspected today and the following corrections are required. When the corrections have been made, call (415) 485-3308 for a re-inspection.
HANG EXTINGUISHERS - IN WORK AREA THOUST EMERGENCES I I ATTICL IN STAIR LIES I-F (4) LIGHTING IN DISDIAY APEA PANCHING PANCEPRINK LEND, TWILL CALL WITH EIRETHE
(5) PFRM 7 04, 2 a a
- 58-5-1 Collas

Date: 109-91 By: 15 rod 17 b. K

11-7-91 8:22 200 call-47 mcG 11-12-91 1145 Tallus To Jam chipolm-Sprind contractor will call me within a week.

CITY OF SAN RAFAEL FIRE PREVENTION BUREAU

Date: 10.9-91 By: Fire Department

DO NOT REMOVE THIS NOTICE



MAYOR LAWRENCE E. MULRYAN

COUNCIL MEMBERS ALBERT J. BORO DOROTHY L. BREINER MICHAEL A. SHIPPEY JOAN C. THAYER

SAN RAFAEL FIRE DEPARTMENT

PERMIT

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PERMIT NO: FPB 91-1033

ADDRESS OF PROJECT:

PROJECT/BUSINESS NAME:

OWNER/CONTRACTOR:

ADDRESS:

CITY, STATE, ZIP:

PHONE: (415)-472-3670

9000 Northgate Mall

Sears

Attn: Jim Chisholm 9000 Northgate Mall San Rafael, CA 94903

BUSINESS PHONE:

Issued By

PERMIT:

Mall, Covered

CONDITION: Article 35, UFC

Vehicle on display

SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

1st flow next to escalation

Address of Project 9000 Project/Business Name Contractor's Name **Address** City, State, Zip Phone No. Mailing Address for Invoices (if different than above) _ State Contractors License # _ Expiration San Rafael Business License # Expiration

A time keeping form will be kept to track time spent on your project. You will be charged for the actual time spent on your project to the nearest & hour, with a minimum one hour charge. The Department will also charge direct and indirect costs for actual expenses incurred for consultant and/or contractual services plus overhead which may be necessary to review your project. The fee will be collected at the completion of your project, and an invoice will be mailed to you. Your project Permit will not receive final Fire Department approval until all fees are paid. The fees are due and payable upon receipt of the invoice and become overdue 30 days later, at which time a 1/2 hour late fee and 1 1/2% per month interest will be charged. In addition to not issuing final approval, the Fire Department will

e to pay such fees and understand serjury, I declare that I am duly a					•
Yell-	AMF		<u> </u>	صدسر	8/27/9
Signature	Title	Pri	rt Name		Date / /
PC PERMITS:					•
Aircraft refueling vehicles	Flammable or con	mbuetible liquid	l pipeline	Nitrate	film
Aircraft repair hanger	operation and ex		, p-p		natural gas wells
_ Automobile wrecking yard	Flammable or con	mbustible liquid	is and tanks	Open bu	-
	Fruit riponing				
_ Bonfires or rubbish fires	Fumigation or the	hermal insectic	dal fogging	•	ame devices in mari
Bowling pin or alley refinishing	Garages				coatings
_ Burning in public place	Hazardous mater:	ials			dustrial baking or dr
Candles and open flames in assembly areas	Haz Mat site ch			Parade	
Cellulose nitrate storage	Investigation re	•			of assembly
Combustible fiber storage	Haz Mat site re	mediation report	•		tive materials
Compressed gases, flammable	Highly toxic per	sticides		Refrige	ration equipment
_ Cryogens	High-piled comb	ustible stock .		Sprayin	g or dipping
Dry cleaning plants	Junk yarda			Tank ve	hicles
Dust-producing operations	Liquefied petro	leum gases		Tents and	lair-supported struct
	Lumber yards			Tire re	capping
Excavations near flammable or combustible liquid pipelines	Magnesium worki	ng		Wasts m	aterial handling pl
Explosives or blasting agents	Mall, covered -	- UBHI	CLE	Welding	and cutting operati
	Monitoring well	installation		•	
	Monitoring well	destruction			•
LAN REVIEWS:					
Automatic Sprinkler Systems, # of he	ebac				
Automatic Fixed Fire Extinguishing	Systems (specify)				
Dry Chemical, # of Nozzles					
Halon, f of Nozzlas					
Other, explain		1			
Fire Alarm System					
Automatic Fire Detection System, #	of detectors		ė		
Above Ground Tank Installation, # o		k canacity			
Above Ground Tank Removal, # of tank					
Underground Tank Installation, / of	•	· ———			
Underground Tank Removal, # of tank					
Underground Tank Abandonment in Plac		_, tank capacit	у		
Underground Tank/Line Performance To					
Underground Tank Soils/Water Analyt: Other, explain	cai Keport				



LAWRENCE E. MULRYAN

COUNCIL MEMBERS ALBERT J. BORO DOROTHY L. BREINER MICHAEL A. SHIPPEY JOAN C. THAYER

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PERMIT NO: FPB 91-1029

ADDRESS OF PROJECT:

9000 Northqate Mall

PROJECT/BUSINESS NAME:

Sears Roebuck

OWNER/CONTRACTOR:

Sears Roebuck

ADDRESS:

9000 Northqate Mall

CITY, STATE, ZIP:

San Rafael, CA 94903

PHONE: (415)-472-3670 BUSINESS PHONE:

PERMIT:

Tents and Air-Supported Structures

Article 12, UFC CONDITION: Article 32, UFC CONDITION: Title 19, CCR CONDITION: CONDITION: Title 24, CCR

SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

Address of Project 9000 NorthyATT	, <u>v</u>	W	
Project/Business Name 5/2 And Forest Co	- 16	. 14	-1
Contractor's Name	•		
Address			·
City, State, Zip San Pafalz	94905 Phone No	472-3670	
Mailing Address for Invoices (if different than above)		· .	
State Contractors License #	Expiration	·	
San Rafael Business License #	Expiration	· · · · · ·	

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eve read the above statement regard be to pay such fees and understand berjury, I declare that I am duly a	that they are due prior to	final acceptance of	f my project	. Further, under
	1.=			a hala
	Amt	11 CH-13HO	Cu	<u> </u>
Signature	Title	Print Name		Date/
FC PERMITS:				
Aircraft refueling vehicles	Flammable or combustibl		Nitrat	a film
Aircraft repair hanger	operation and excavation		Oil and	d natural gas wells
Automobile wrecking yard	Flammable or combustibl	e liquide and tanks	Open b	urning
Bonfires or rubbish fires	Fruit ripening		·	lame devices in marin
Bowling pin or alley refinishing	Fumigation or thermal i	neecticidal fogging	 •	c coatings
Burning in public place	Garages			ndustrial baking or dry
Candles and open flames in	Hazardous materials		Parade	-
assembly areas	Haz Mat site characteri	zation/		
Cellulose nitrate storage	Investigation report			or sesementy
Combustible fiber storage	Haz Mat site remediatio	-		ctive materials
Compressed gases, flammable	Highly toxic pesticides			eration equipment
Cryogens	High-piled combustible	stock		ng or dipping
Dry cleaning plants	Junk yards		ブ	ehicles
Dust-producing operations	Liquefied petroleum gas	es	Tenta ar	nd air-supported structu
Excavations near flammable or	Lumber yards		Tire r	ecapping
combustible liquid pipelines	Magnesium working		Wasto	material handling pla
Explosives or blasting agents	Mall, covered		Welding	and cutting operation
	Monitoring well install	ation		
	Monitoring well destruc	tion		
LAN REVIEWS:				
Automatic Sprinkler Systems, # of 1	heads			
Automatic Fixed Fire Extinguishing	Systems (specify)			
Dry Chemical, # of Nozzles				
Halon, # of Nozzles	•			
Other, explain				
Fire Alarm System				1
Automatic Fire Detection System, #	of detectors			
Above Ground Tank Installation, #	of tanks, tank capaci	lty		
Above Ground Tank Removal, # of tan				
Underground Tank Installation, # o:				
Underground Tank Removal, # of tank				
Underground Tank Abandonment in Pla				
Underground Tank/Line Performance				
Underground Tank Soils/Water Analys				
Other, explain	-zees wohere			•

Certificate of Flame Resistance



APPLICATION RESTRED

CONCERN N

F-337

AS GRITSSI

Los Angeles, CA 90058 2910 South Alameda Street ACADEMY TENT AND CANVAS, INC.

8/91

Date treated or manufactured

retardant treated (or are inherently nonflammable). CITY SAN RAFAE FOREARS MORTHGATE MALL (a) The articles described on the reverse side of this Certificate have been treated with a flame-retardant This is to certify that the materials described on the reverse side bereof have been flame-Certification is hereby made that: (Check "a" or "b") chemical approved and registered by the State Fire Marshal and that the application of said STATE ADDRESS 9000 NORTHGATE MALL C

chemical was done in conformance with the laws of the State of California and the Rules and Regulations of the State Fire Marshal. Chem. Reg. No.

Name of chemical used

Ŧ The articles described on the reverse side hereof are made from a flame-resistant fabric or material Method of application. registered and approved by the State Fire Marshal for such use.

又

The Flame Retardant Process Used will not Be Removed by Washing Trade name of flame-resistant fabric or material used X2R Vinyl

Reg. No. F-337

Name of Applicator or Production

David Bradley

Tom Shapiro - President



LAWRENCE E, MULRYAN

COUNCIL MEMBERS ALBERT J. BORO DOPOTHY L. BREINER MICHAEL A SHIPPEY JOAN C. THAYER

22

SAN RAFAEL FIRE DEPARTMENT

PERMIT

This Permit has been issued to the following, pursuant to the conditions stipulated herein and in conformance with Uniform Fire Code, state and local ordinances.

This Permit expires when change of ownership, business name, or conditions outlined herein occur. This Permit shall be posted, visible and made available upon request by the Fire Prevention Inspector. This Permit may be revoked at any time for due cause in violation of the Uniform Fire Code.

PERMIT NO: FPB 91-1008

ADDRESS OF PROJECT:

9000 Northgate Mall

PROJECT/BUSINESS NAME:

Sears Roebuck

OWNER/CONTRACTOR:

ADDRESS:

Attn: Keith Hooper, Sales Mgr91100

9000 Northgate Mall

CITY, STATE, ZIP:

San Rafael, CA 94903

PHONE: (415)-472-3670 BUSINESS PHONE:

PERMIT:

Tents and Air-Supported Structures

CONDITION: Article 12, UFC CONDITION: Article 32. UFC CONDITION: Title 19, CCR CONDITION: Title 24, CCR

Attu SHARON. 289 4150

SAIRA MAG	T LIKE DE	SPAK TPIENT
PERMI	T APPLICA	MOIT
THIS IS	NOT YOUR	PERMIT

Address of Project 9000	Nonthaktis MAIL	
Project/Business Name S/-	ARS ROUBUCK	
	12-3670	
	GEMY TENT AND CANDAS	4 (1 ED)
City, State, Zip CALP	9 4040	BO ELPOCIAS PAPER A ADLA
	859 61 472-6771	
State Contractors License #		_
5an Rafael Business License	Expiratio	
A time keeping form will be	kent to track time start -	
chargo. The fee will be colbe mailed to you. Your project all fees are paid. The fee overdue 30 days later, at white the charged. In addition to rother legal remedies for unperservices, you will be invoiced that the charge of	lected at the completion of your proct Permit will not receive final Fire s are due and payable upon receipt ich time a 1/2 hour late fee and 1 1/1 to issuing final approval, the Fire aid accounts. On projects that accumed during each month that the balance of the recent recently force for this	s, with a minimum one hour sject, and an invoice will pepartment approval until of the invoice and become 2% per month interest will Department will pursue all ulate more than 3 hours in e exceeds 3 hours.
final acceptance of my project	eet regarding lees for this project, ee to pay such fees and understand to the Further, under penalty of perjury ses on behalf of the firm listed about	hat they are due prior to
	HOME LOIPDOUS MONT	
	SALLS MINNINGA KLITH /-	100DGD 4/12/91
Signature	Title Print	Name Date
UFC PERMITS:		
Aircraft refueling vehicles	Flammable or combustible liquid pipeline operation and excaustion	Nitrate film
Aircraft repair hanger	Plaumable or combustible liquids and tanks	Oil and natural gas walls
Automobile wrecking yari	Fruit ripening	Open burning
Bonfires or rubbish fires	Funigation or thermal insacticidal fogging	Open-flame devices in marines
Bowling pin or alley refinishing	Garages Carages	Organic costings
Burning in public place	Hazardous materials	Ovens, industrial baking or drying
Candloo and open flames in accombly areas	Haz Map site characterization/	Parade floats
Cellulose nitrate storage	Investigation report	Places of assembly
Combustible fiber scorage	Haz Mat site remediation report	Radioactive materials
Compressed gaous, flammable	Highly toxic pearloides	Refrigeration equipment
Cryogens	High-piled combustible stock	Spraying or dipping
Dry cleaning plant:	Junk yardo	Tank vahiclos
Dust-producing operations	Liquaried petroleum gases 40 x 100	Tents and air-supported structures
Excavations near flammable or	Lumber yards / 15/666 4/16 (Tire recapping
combustible liquid pipalines	Magnesium working (thickness 4/19)	Waste material handling plant
Explosives or blasting agents	Mall, covered	Welding and cutting operations
	Monitoring well installation	
	Monitoring well destruction	
TVU URAIRAE:		
Automatic Sprinkler Systems, / of he		
Automatic Fixed Fire Extinguishing S		
Dry Chemical, 0 of Nozzles		
Halon, f of Nozzles		
Other, explain		
Fire Alarm System		
_ Automatic Fire Detection System, # D.		
Above Ground Tank Installation, # of	tanks, tank capacity	
Above Ground Tank Removal, # of tank	tank capacity	
Underground Tank Installation, # of	canka, tank capacity	
underground Tank Removal, f of tanks	, tank capacity	
Underground Tank Abandenment in Place	, f of tanks, tank capacity	r.
Underground Tank/Line Performance Tes		
Underground Tank Soils/Water Analytic	eal Report	_
_ Othor, explain	. •	
LIE 1 11 3"1 ""		•

AHN. SHLROW. STREET 45 x 100 tent TALL DOWN Auto Ceutea SEARS HUNGAY HOUSE RESTURBUT

	00:04:04:4	amamamama te of Flamo		
	REGISTERED APPLICATION CONCERN No.	issum ay ACADEMY TENT AND CA 2910 South Alameda Los Angeles, CA 900	NVAS, INC. Street	Date treated or manufactured 11/89
retardan FOR SE	of treated (or are inhere <u>BRS_NORTHGATE_MAL</u> PI_RAFAEL	STATE C	9000 NO	of have been flame-
	Certification is hereby a i) The articles described on chemical approved and chemical was done in a	made that: (Check "a" or the reverse side of this Certific registered by the State Fire onformance with the laws of Fire Marshal.	Marshal and that the State of Califo	rnia and the Rules and
XX (Name of chemical used Method of application b) The articles described or	the reverse side hereof are made to the State Fire Marshal fesistant fabric or material use	nade from a flame-re	sistant fabric or material
	Trade name of flame-re he Flame Retardant	Process Used will will will will	not Be Remo	ved by Washing
Т		·		- President

CONTROL NO.
CUSTOMER ORDER NO
CUSTOMER INVOICE NO.
YARDS OR QUANTITY
COLORWHITE
STYLE TENT
DATE PROCESSED4/12/91
40 x 100 WHITE CANOPY

SAN RAFAEL FIRE DEPARTMENT

PERMIT

This Permit has been issued to the following, pursuant to the conditions stipulated herein and in conformance with Uniform Fire Code, state and local ordinances.

This Permit expires when change of ownership, business name, or conditions outlined herein occur. This Permit shall be posted, visible and made available upon request by the Fire Prevention Inspector. This Permit may be revoked at any time for due cause in violation of Uniform Fire Code.

Address of Projec	t <u>9000</u>	Northgate Mal	1	
Project/Business	Names	ears Roebuck &	Co.	
Type of Permit	UFC: Weldin	g/Cutting	Permit No. FPB	91-028
Contractors Name		actons		-
Address				···
City, State, Zip			Phone No. 4	92-8115
	ν.	_	VYNTVYXMRYV	****
Issued by:	-lenne	Leei -	Date 3/14/9/	
	/_			,
Conditions:		=======================================		-/ -/
Conditions: 22	comply i	with Fire	svevenhal'	Landon.
Application Complete	Incom	plete*	Date <u>2//</u>	9/9/
*				
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Code Z Z	2 2			
Date 1/4 — Initial 42 —			 	+
Code				
Date Initial			- - 	+-1
Code				
Date Initial		╂╫╃	- 	
Lach block represents ½ ho	our Codes: 1 -	· Plan Review, 2 - Fie	eld Inspection, 3 - Can	cellation, 4 - Uther
			•	
	UNIFOR	M FIRE CODE PERMITS		
5				
<u> </u>	Type of lns		DATE: 3/1	
	Type of Ins		DATE:	
	Type of Ins		DATE:	
COMMENTS:		PECITON DY:	DATE:	
OOI WILLIAM		<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>

SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION THIS IS NOT YOUR PERMIT

RECEIVED

FEB 28 1991

	thgate Mall, San Rafael, CA 94903										
Project/Business Name Sears		PIRE DEPT. CITY OF SAN RAFAEL									
Business Phone No. (415)											
Contractor's Name Sears Roeb											
Address 9000 North	gate Mall										
City, State, Zip San Rafael											
Phone No. <u>(707) 492-81</u>	15										
State Contractors License # $\underline{1}$	428C Expiration	Chicago Towers									
San Rafael Business License #											
A time keeping form will be kept to track time spent on your project. You will be charged for the actual time spent on your project to the nearest 1/4 hours, with a minimum one hour charge. The fee will be collected at the completion of your project, and an invoice will be mailed to you. Your project Permit will not receive final Fire Department approval until all fees are paid. The fees are due and payable upon receipt of the invoice and become overdue 30 days later, at which time a 1/2 hour late fee and 1 1/2% per month interest will be charged. In addition to not issuing final approval, the Fire Department will pursue all other legal remedies for unpaid accounts. On projects that accumulate more than 3 hours in services, you will be invoiced during each month that the balance exceeds 3 hours.											
I have read the above statement regarding fees for this project, and I understand how the fees will be calculated, agree to pay such fees and understand that they are due prior to final acceptance of my project. Further, under penalty of perjury, I declare that I am duly authorized to encumber expenses on behalf of the firm listed above.											
Jack Lindst	adt Service Manager Title Print	2/25/91 Name Date									
/											
	•										
UYC PKRMITS:											
Aircraft refueling vehicles	Flammable or combustible liquid pipeline operation and excavation	Nitrate film									
Aircraft repair hanger	Flammable or combustible liquids and tanks	Oil and natural gas wells									
Automobile wrecking yard	Fruit ripening	Open burning									
Bonfires or rubbish fires	Fumigation or thermal insecticidal fogging	Open-flame devices in marinas									
Bowling pin or alley refinishing	Garages	Organic coatings									
Burning in public place	Hazardous materials	Ovens, industrial baking or drying									
Candles and open flames in assembly areas	Haz Mat site characterization/	Parade floats									
Cellulose mitrate storage	Investigation report	Places of assembly									
Combustible fiber storage	Haz Mat site remediation report	Radioactive materials									
Compressed gases, flammable	Highly toxic pesticides	Refrigeration equipment									
Cryogens	High-piled combustible stock	Spraying or dipping									
Dry cleaning plants	Junk yards	Tank vehicles									
Dust-producing operations	Liquofied petroleum gases	Tents and air-supported structures									
Excavations near flammable or	Lumber yards	Tire recapping									
combustible liquid pipelines	Magnesium working	Waste material handling plant									
Explosives or blasting agents	Mall, covered	Welding and cutting operations									
	Monitoring well installation										
	Monitoring well destruction										
PLAN REVIEWS:											
Automatic Sprinkler Systems, # of hes											
Automatic Fixed Fire Extinguishing Sy											
Dry Chemical, f of Nozzles											
Halon, f of Nozzles											
Other, explain											
Fire Alarm System											
Automatic Fire Detection System, # of											
	tanks, tank capacity										
	, tank capacity										
	anks, tank capacity										
	, tank capacity										
Underground Tank/Line Performance Tes	, # of tanks, tank capacity	_									
rank/Line Feriormance Tes	h.										
Underground Tank Soils/Water Analytic											

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		A Thirty		استن ا = ا	~ exs s	مال سرالما	L.	<i>b</i>						
:		1 nspection	Report	June 1	10-04	- SMAR	M.D.	S	an Rafaei	Fire De	artment	485-33	308	
	. *			JA Joseph	1.7	Floor	2 .							
				, , , , , , , , , , , , , , , , , , ,		// 41		- 1	/			~		
	Addro	ess 9 000,	NORTH	16416	MAI	Business Na	ne 🚟	APCS.	Ronbe	ick -	L (1 ×	FP-13		
	Issue	ed By/Date 1st Insp	1-17-50	127	2nd Insp.	1-29-9	1 100	_ 3rd Insp.	•	FMA_	Refer	to FPB		
	At th	e time of the inspecti	on those items r	marked in colur	mns 1, 2 or	3 were found	to be in violat	ion and sha	all be correct	ed immedia	tely. Re-insp		cur in	
	appro	ximate two week inte	rvals. Items mar	ked under NA (or OK were	either not app	licable or were	in complia	nce at the tig	ne of the in	spection.			
	schoo	General Businesses – ol rooms for those beyo	nd the 12th grade	e, for less than t	s; tactories; 50 people, w	worksnops usi voodworking ar	ng materials no id cabinet shop:	t nigniy nan s which are	owner operat	ed or where	not more that	n one emplo	yee is	
	opera	ating one piece of equi	pment or applian	ice.		1 4	et, j		Z- ;		•			
	GENE	ERAL REQUIREMENTS A	ND SPECIAL HAZ	ARDS	And I have seen				C-		Sammingen same	···· Notice		
		Install approved addr	i i	1.500					Comment of the control of the contro	//N	#1 #2-	#3 NA	OK .	1
*	2.~~	Individual work-static	in trash cans sha	ill be metal or i			V 11 (ノフ		$\left(\bigcup\right)$	年 三	.,		2
+	3. 5	Trash cans used for c Remove accumulation	ollection shall be not waste mater	e metal or appr ial on exterior (oved equal of building.	with a lig.	7 1 7	stows	der bo	15 try				3 5
	6.	Maintain 30" clearand Maintain allearea or c	ce of combustible	es to heat prod	ucing applic		statements green was a	Stans		side.	11/19			6 11
	12.	Maintain in operable	condition and rer	nove all obstru	ictions to fi	re/smoke door	s and fire damp	pers. C. £				1 =		12
*	14.	Keys needed for acce	ss to all portions	or building are	current an	ig iu vuox-Rox	TOP YES	e i				1		14
	EVITI	ING REQUIREMENTS, B	ACED ON AN OCC	HOANT LOAD C	ACTOD OF O	NC DEDOON E	D EVEDY							
	EAIIII	_ 100 square feet — o	ffices	_	AGION OF U	JE PERSON TO		7	e	. 46 		•		
		30 square feet—re 50 square feet—re	etail shops (groui	nd floor) – r floors) - librar	v locker ar	eas etc	and and and and and and and and and and	oue.mils#						
	1	∠ 20 square feet — c	ollege classroom:	s	y, touttor ar	(2)	THE THE THE THE THE THE THE THE THE THE							
•	.~	_ 15 square feet—c	onterence rooms										***	
,	17.	Two exits required if	occupant load ex	ceeds 50 (exc	ept offices)	. \.\			.,	i i				17'
		Two exits required if Two exits required from						• •		<i>!</i>				18 21
	22.	Two exits required from	om all basements	s and above the	e second flo	oor.			ť	· ·				22 23
	24.	Two exits required from When two exits are r	equired they mus	st be separated	by 1/2 of th	e diagonal dis	tance of the ro	om.	·	7				24
	25. 27.	Three exits required i Maximum distance to	f occupant load of	exceeds 500, fo	our if over:	1000 // or 200' (sprink)	ered buildings)	63				· 		25 27
1	28.	Dead end corridors m	ay not exceed 20	Ò'.						-				28
`	30. 31.	If occupant load is of Exit doors shall not h	ver 50, doors mu lave dead bolts o	st swing out; i or other similar	devices.	tney must <i>onl</i> y	swing out.					· 		30 31
٠.		Exit doors and exit page. No storage beneath a			1.4.5	onstruction.				. ,		~ ~		34. 35
\bullet'	36.	Corridors serving 30	or more shall be	1 hr. rated with	h 20 minute	self closing o	loors							36 38
	40.	If occupant load exce If occupant load exce	eds 300 the exit	signs shall be	illuminated	on a separate	circuit					·		40
	41.	All exit paths shall be the exit lighting must	e lighted at all ti t also be on sepa	me that the bu rate circuits.	ilding is oc	cupied. If sepa	rate circuits ar	re required f	for the exit si	gns .				41
	` 95.	Maximum occupant I Interior stairways to	oad sign is requi	red if less than	50 people.	(Restaurants;	Lounges)							95 44
1	- 1-1 ,	intendi stanways to	ue rateu isili situ	i o di 4 stories	:			i dijari			+		Y .	-
		PROTECTION EQUIPMI			W/W	// A		M = M				•		
		One 2A10BC fire ext One additional 40BC					5' maximum tra	avel distance	;e)	•		·		45 49
,	50.	Extinguishers shall b Extinguishers shall b	e easily accessib	ie wall mount	ed at a heig	tht not less th	an 4 or more t	han 5' from	floor:	bf DEN	7 H 3/1	} — —		50 51
	55.	Fire protection or det	tection systems š	shall be extend	ed altered	or repaired as	necessary, to m	naintain pro	itection.			<u> </u>	_	55
	57.	Fire Department con	nection caps in p	lace and work	freely.									56 57
	58.	Exterior exposed port Storage shall be mai	tions of systems	that are not br	ass or galv	anized shall be	painted with	rust prevent	tative paint.	MUSECIL	12:16	<u></u>		58 59
	60.	Storage shall be mai	ntained at least 2	24" below cejli	ng in unspr	inklered buildi	ngs. 🤌		100	Syca		77.	7.1	60
#	01.	Maintain systems as System Typ	18 💮 - 🐪	FFII:	Inspected.		Territoria	sted	派・シ	1621	77			••
_	-/	A. Standpipe B. Sprinkler	S e ³ l			Innually		Every 5 y Every 5 y						61
し	•	C. Pre-engine			Semi-a	innually & afte	r activation	Semi-anr	nually	and a				••
	62 63	All commercial cook Hood and duct venti	ing shall have a c lation systems sh	dry chemical sy nall be maintair	vstem prote ned free of	cting all cooki grease.	ng surfaces			177	<u>/ </u>	<u> </u>		63
		,	•	- ر ا	- , A. Q	١١٤٦	PAR	5,5	.	2 8 80	1-1	م لما جد آ		
		CTRICAL REQUIREMEN			1			ik T			ا تسمید	'		
	66 67	Discontinue use of e Cords shall not be at	xtension cords ar ffixed to or exten	nd cùbe adapte ided through w	ers in lieu of alls. ceiling	f permanent w s. floors or un	iring.	subject to p	hysical dama	age. 7	- 1	<u>}— —</u>		66 67
	68.7	Maintain 30" clearar Electrical main and s	nce fronting and a	around electric	al control p	anels ::::::::::::::::::::::::::::::::::::	1. miili, ''ll			PANI	- ¥ 1	<u> </u>	-	68 69
	uJ,	Livetrical mails and s	one puntitio difail l	iusoidu da li	- mon.edi 4	The second second	The state of the s		• • •		· · · · · · · · · · · · · · · · · · ·			
	FLAN	MMABLE LIQUIDS	۹ پ		•			na e			•			
	74.	Discontinue use of li No storage of class	quids with flash	point below 11	0°F for clea	aning purposes			₽7. ·					74 75
	rJ.	,re	izi ndara ni nasi	omorno.				.*	i i					
	PFDI	MITS ARE REQUIRED O	R COMPLIANCE V	VITH POSTEN P	ERMIT.	W.								
#	87.	To store in excess of	f 5 gallons of flar	mmable liquds	inside or 10	gallons outsi	de.							87
#	89.	To store in excess of For welding or cutting	ng torch operation	ns.	ius ilisidė 0	TOO BAHOUS OF	atolub.	•					_	89
*	90. 91.	For above ground fla Lumber yards in exc			mber.									90 91
. 41	02	To operate refrigerat	ion equipment				٦							92 93
- /	24	To about to an and a com-	Sausse ut it	£ 400 lb l	ii ee aana	liid 000			1					20

5/90

FP-8

San Rafael Fire Department, 485-3308

Address	40,00)		Business Name	SEARS	AuTo	moTio	E	FP-13	
	1.7	wothy			-70 2nd Insp. 2				er to FPB	
At the time approximat B-1: Gasoli mo H-2: Locat	e of the inspect te two week intended the service state to than one entions involving	tion those items tervals. Items m tions or garages aployee is repair the storage, har	arked under NA or O with no repair work u ing one vehicle at an idling, use or sale of	1, 2 or 3 were found K were either not apposing open flame, well	to be in violation sticable or were in ding, or flammable stible tiquids excee	and shall be compliance a liquids, repa	e corrected imn at the time of t ir garages which	- nediately. Ro he inspection th are owner	e-inspections n. operated or w	here not
GENERAL R	EQUIREMENTS	AND SPECIAL H	AZAROS			472	70	#4	Notice #2 #3 N	م
2. Indivi 3. Trash 4. Trash 5. Remo 6. Maint 8. A 1 h 11. Maint 12. Maint 14. Keys	idual work stat cans used for cans used for ove accumulati tain 30" cleara ir. occupancy s tain all area or tain in operable needed for acc	collection shall oily rags shall bon of waste mat nee of combustife paration wall is occupancy separation and ress to all portio	hall be metal or appr be metal or approved e metal with a self of erial on exterior of bi bles to heat producin s required between a tration walls and drai emove all obstruction	d equal with a lid. closing lid. pilding. g appliances. B-1, H-2, H-4 and a ft stops. אולים ps to fire/smoke doo rrent and in Knox-Bo	rs and fire damper					
	QUIREMENTS, square feet.	BASED ON AN O	CCUPANT LOAD FACTO	OR OF ONE PERSON F	OA EVERY:			- 1-1	y none	
17. Two 19. Two 21. Two 22. Two 23. Two 24. Wher 26. Maxi 27. Maxi 28. Dead 29. Exit	exits required in exits required in exits required in exits required in two exits are mum distance in end corridors doors shall swi	fover 200 squa from second floo from all basemer from Mezzanines required they m to an exit is 75' to an exit is 150 may not exceed ng in the directi	ust be separated by (H-2 only). I' (unsprinklered build 20'. on of exit travel in al	ceeds 10. ceeds 10. cond floor. uare feet or 60 feet in 1/2 of the diagonal dis dings) or 200' (sprink	stance of the room lered buildings).	(6,				
34. Exit (35. No s: 38. If occ 39. If occ 41. All ex- the e	doors and exit torage beneath cupant load ex cupant load ex xit paths shall xit lighting mu	paths shall not I enclosed stairs ceeds 100, all exceeds 100, all exceeds 100, all exbe lighted at all st also be on se	be obstructed, unless protected by kits except the main kits signs shall be illi	1 hr. construction entrance shall have minated on a separa ng is occupied if se	xxit-signs.),	(
46. B-1's 47. H-2's 47. Extin 51. Extin 52. All s 53: H-2' 55. Fire 56. All s 57. Fire 58. Exter 59. Stora 60. Stora	s and H-4's shall guishers shall guishers shall praying operati occupancies la protection or d prinkler valves Department co rior exposed po age shall be ma age shall be ma Rystem T	nimum 2A 20BC all have minimum be easily access be serviced annions shall be in a rger than 1500 setection systems shall be locked nnection caps in ortions of system aintained at leas aintained at leas is follows:	within 75 ft. from an 40BC within 30 ft. ible, wall mounted a lally, after use, and an approved spray both of the shall have spriss shall be extended, in open position, acceplace and work free is that are not brass t. 18" below sprinkler t. 24" below ceiling in	Il portions of the buil or 80BC within 50 fit t a height not less th when gauge indicate oth with an approved hill build build build build with an approved hill build build build build hill build build build build lessible and unobstruity or galvanized shall b	and must have a an 4" or more than a recharge described to extinguishing system of the check of	it least a 2A n 5' from floo n 1	in Sono e ?	````\ <u> </u>		
SE Disco	IL REQÜIREMEI	NT8	and outpo adaptors in	lieu of permanent w	iring Cu A	Mexic	E.	1.	11/	ا مستحدا
67. Cord 68 Main 69. Elect 70. Elect	s shall not be a stain 30" cleara trical main and trical appliance	affixed to or extended ince fronting and sub-panels shall sh	ended through walls, I around electrical co I be labeled as to are equipment shall be lis	ceilings floors or un nitrolipanels. Me a served and not tap sted and approved for ated oil dirt and oth	der doors, nor sub 2	ect to physic	cal damage of			- 1
74. Disco			/ h point below 110°F	for cleaning purpose			K	/ <u>+</u>		1.4
76. Dispo 77. Dispo 78. Pum 79. Emer Swit 80. Devi 81. Wher	ensing class I a enser nozzles s ps shall be loca gency shut-off ches shall be c ces capable of re flammable v	hall not extend ated not less that switch required lesignated "Eme igniting flamma apors are preser	suction pump only a within 5' of any build in 10' from any build in on exterior of buildi rgency Pump Shut-O ble vapors; such as e it, devices such as w	ing and on islands or ng within 75' but not	protected by post closer than 15' fro ting appliances; si	om pumps. håll be instal nitted.	<i>P</i> *			1
(85) To o	perate a repair	garage.	WITH POSTED PERM	IT	The second secon					 _
OBJ To s	tore in excess	ng using flamma of 5 gallons of fl	ammable liquids insi-	de or 10 gallons outs	ide. MBSZ	5 1 7.		1		
89. For a 90. For a 93. To h	welding or cutt above ground.f ave an LPG ta	ing torch operat lammable liquids nk in excess of	ions. s storage tanks. /	nside or 60 gallons o		10.11				
Q4 To e	tore hazardoue	materials in ava	acc of 100 lbc colid	E5 galloge liquid or	1500 ou ft /000	15 6 6 6 A S	2 1 5 1.1		1	

1.1 22.70

ZND FLOOR

TRASH BHOUTE SPRINKLE Colles NECOS SIGNS.

HOLES IN CRILING @ CARPET AREA-FURNISHINGS AREA

Furniture

Not sweether area in

SAN RAFAEL FIRE DEPARTMENT

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SAN RAFAEL FIRE DEPARTMENT PERMIT APPLICATION

THIS IS NOT YOUR PERMIT

Address of Project	Neethgate Unice	
Project/Business Name	Penzisand & Co.	
Business Phone No. 472	<u>- 367 C</u>	•
Contractor's Name		•
Address	<u> </u>	
City, State, Zip	<u> </u>	
Phone No.		
State Contractors License #	Expiration	
San Rafael Business License #	Expiration Expiration	1991
A time keeping form will be keepfor the actual time spent on y charge. The fee will be collete mailed to you. Your project all fees are paid. The fees overdue 30 days later, at which be charged. In addition to no other legal remedies for unpai	our project to the nearest 1/4 hours our project to the nearest 1/4 hours exted at the completion of your properties. Permit will not receive final Fire are due and payable upon receipt of time a 1/2 hour late fee and 1 1/2 tissuing final approval, the Fire I discounts. On projects that accumulating each month that the balance	ect. You will be charged a, with a minimum one hour ject, and an invoice will Department approval until of the invoice and become 27 per month interest will Department will pursue all plate more than 3 hours in
fees will be calculated, agree final acceptance of my project authorized to encumber expense	nt regarding fees for this project, to pay such fees and understand the Further, under penalty of perjury s on behalf of the firm listed abov	hat they are due prior to , I declare that I am duly e.
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Signature	UShe Title Print	Name Date
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UFC PERMITS:		
Aircraft refueling vehicles	Flammable or combustible liquid pipeline	Nitrate film
Aircraft repair hanger	operation and excavation	Oil and natural gas walls
Automobils wrecking yard	Flammable or combustible liquids and tanks	Open burning
Bonfires or rubbish fires	Fruit ripening	Open-flame devices in marinas
Bowling pin or alley refinishing	Fumigation or thermal insecticidal fogging	Organic coatings
Burning in public place		Ovens, industrial baking or drying
Candles and open flames in assembly areas	Hazardous materials Haz Mat site characterization/	Parade floats
Callulose nitrate storage	Investigation report	Places of assembly
Combustible fiber storage	Haz Mat sits remediation report	Radioactive materials
Compressed gases, flammable	Highly toxic pesticides	Refrigeration equipment
Cryogens	High-piled combustible stock	Spraying or dipping
Dry cleaning plants	Junk yards	Tank vehicles
Dust-producing operations	Liquefied petroleum gases	Tents and air-supported structures
Excavations near flammable or	Lumber yards	Tire recapping
combustible liquid pipelines	Magnesium working	Waste material handling plant
Explosives or blasting agents	X Mall, covered Vehicle	Welding and cutting operations
	Monitoring well installation	•
PLAN REVIEWS:	Monitoring well destruction	
Automatic Sprinkler Systems, # of her	ada	,
Automatic Fixed Fire Extinguishing S	· · · · · · · · · · · · · · · · · · ·	
Dry Chemical, # of Nozzles	· · ·	
Halon, # of Nozzles		
Other, explain		
Fire Alarm System		
Automatic Fire Detection System, # o:	detectors	
Above Ground Tank Installation, # of	tanks, tank capacity	
Above Ground Tank Removal, # of tank		
	tanks, tank capacity	
Underground Tank Removal, # of tanks		•
	e, f of tanks, tank capacity	<u> </u>
Underground Tank/Line Performance Tea		
Underground Tank Soils/Water Analytic	cal Report	
Other, explain		

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