LAW OFFICES OF
ALAN C. WALTNER
1736 FRANKLIN STREET, EIGHTH FLOOR
OAKLAND, CALIFORNIA 94612

TELEPHONE
(510) 465-4494
(510) 208-4562 (DIRECT)

FACSIMILE
(510) 465-6248
(510) 208-4558

BY HAND DELIVERY

December 10, 1993

Lester Feldman
Regional Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, CA 94612

Re: Livermore Arcade Shopping Center PCE Site - Quarterly Groundwater Monitoring Report

Dear Mr. Feldman:

Enclosed on behalf of Grubb & Ellis Realty Income Trust, Liquidating Trust ("Grubb & Ellis"), and Livermore Arcade Shopping Center ("LASC") dischargers Michael and Perry Neely, Steven Song, Catellus Development Corporation and Stark Investment Company, is H+GCL's quarterly groundwater monitoring report. Since access and coordination issues presently remain unresolved with regard to the Miller's Outpost Shopping Center ("MOSC"), this report only includes monitoring results for the LASC.

The LASC and MOSC dischargers have not yet resolved all outstanding issues regarding funding, coordination, access and other matters raised by the cleanup at these sites. A final mediation session is scheduled next week, at which time we hope to finish negotiations and commence a coordinated cleanup. Even if these negotiations are unsuccessful, H+GCL is presently in the process of restarting the vapor extraction system at the LASC, at Grubb & Ellis' request. Operation of the LASC vapor extraction system has been delayed while H+GCL obtains a renewal permit for extracted water discharges to the sewer system. Even though PCE concentrations in the extracted water are well within sewer agency guidelines, discussions are being held with the sewer agency concerning the need for an air stripper in connection with this discharge. H+GCL hopes to address these questions and have the LASC vapor extraction system running again in the very near future.

We will report on the status of the overall cleanup effort promptly after an agreement has been reached among all of the parties.

Sincerely,

Alan Waltner

Enclosure

cc: LASC Discharger Group Counsel (via fax w/out enclosure)
Oversight Agencies (with enclosure):
CalEPA/ DTSC Region 2
US EPA, Region IX
Alameda County DEH

DEEP GROUNDWATER MONITORING WELLS REPORT FOR THE LIVERMORE ARCADE SHOPPING CENTER FIRST STREET AND SOUTH P STREET LIVERMORE, CALIFORNIA

Prepared for:

Grubb & Ellis Realty Income Trust, Liquidating Trust
351 California Street, Suite 1120
San Francisco, CA 94104

Prepared by:

H+GCL, Inc.
2200 Powell Street, Suite 880
Emeryville, California 94608

November 23, 1993

H+GCL
Environmental Scientists and Engineers

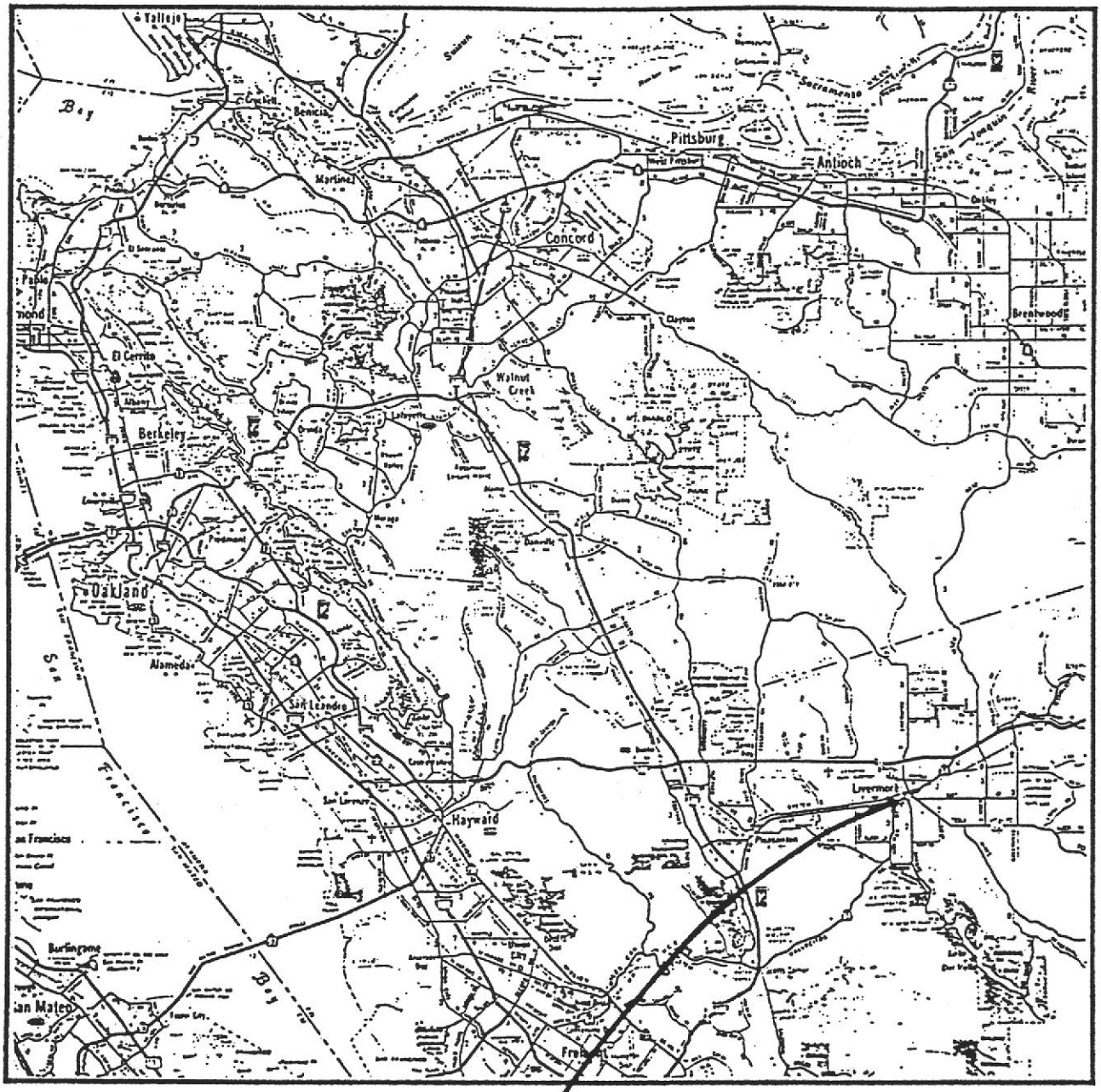
DEEP GROUNDWATER MONITORING WELLS REPORT FOR THE LIVERMORE ARCADE SHOPPING CENTER FIRST STREET AND SOUTH P STREET LIVERMORE, CALIFORNIA

Submitted By:

Scott Nelson
Project Geologist

William E. Motzer, Ph.D.
Director Hydrogeology/Environmental Engineering Services
California Registered Geologist No. 4202
(Expires 6/30/94)

H+GCL
Environmental Scientists and Engineers



Scale: 0 5 Miles 10 Miles

N

Source: California State Automobile Association, Bay and River Area, 1989

SITE LOCATION	H+GCL Environmental Scientists and Engineers	PROJECT NO. / DRN. BY	FIGURE 1
		REV. / DATE / DESCRIPTION	DATE

171354

MAKEPEACE

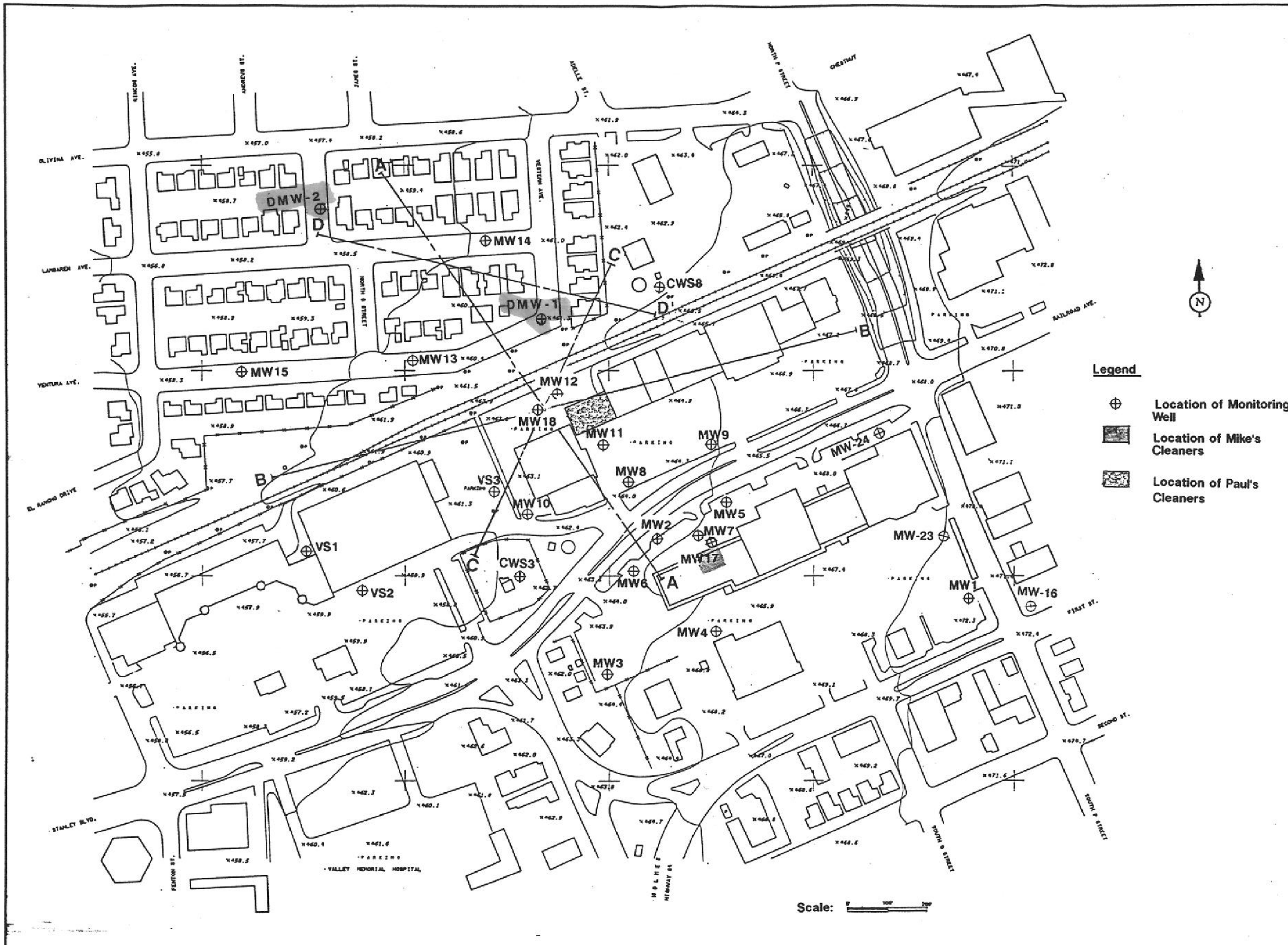


FIGURE 2

ARCADE SHOPPING CENTER
LIVERMORE, CA.

CROSS SECTION LINES -
SEE FIGURES 3-6

HGCL
Environmental Scientists and Engineers

PROJECT NO. | DRN BY | REV | DATE | DESCRIPTION | APPROVED

DATE

SHEET OF

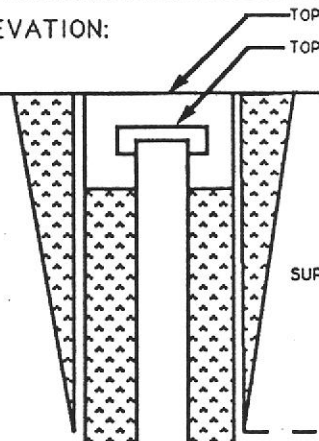
APPENDIX B

BOREHOLE LITHOLOGY AND MONITORING WELL CONSTRUCTION LOGS

GROUND WATER MONITOR WELL: DMW-1 INSTALLATION:	PROJECT: LIVERMORE ARCADE JOB NO. 48016.18	WELL NO. DMW-1
DRILLING CONTRACTOR: WEST HAZMAT	COORDINATES:	DRAWN BY: SMc
BEGUN: 10-5-93 FINISHED: 10-5-93	SUPERVISOR: Scott Nelson DRILLER: Craig Chaffee	WELL SITE: LIVERMORE ARCADE, WESTERN & VENTURA WATER LEV. DEPTH /EL. 43'

REFERENCE POINT & ELEVATION:

GENERALIZED GEOLOGIC LOG



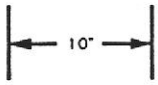
	DEPTH IN FEET	ELEV. IN
SURFACE CASING DIA: 10" TYPE: Steel Conductor		
BOTTOM OF SURFACE CASING	76.4	
BACKFILL TYPE: Portland Type Cement/Bentonite		
RISER CASING DIA: 4.0 inch I.D. TYPE: Schedule 40 PVC		
TOP OF SEAL	89.0	
ANNULAR SEAL TYPE: Bentonite Pellets		
BOTTOM OF SEAL	95.0	
TOP OF SCREEN	100.0	
FILTER MATERIAL DIA: 10" TYPE: #3 Monterey Sand SCREEN OPENING WIDTH: 0.020-in. TYPE: Schedule 40 PVC		
BOTTOM OF SCREEN	140.0	
BOTTOM OF HOLE	144.0	

METHOD DRILLED: Air Rotary 0-41
HSA 41-144
Bucket Auger 0-63

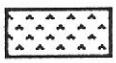
METHOD DEVELOPED: surge/bail

TIME DEVELOPED: 10/27/93

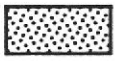
HOLE DIAMETER



COMMENTS:


BACKFILL

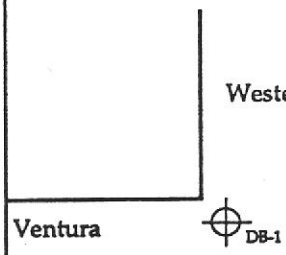

ANNULAR SEAL


FILTER MATERIAL

GCL Environmental Scientists and Engineers

Test Boring Log No: DB-1

Location of boring:



Project Name: Livermore Arcade **Project Number:** 48016.18 **Project Manager:** Bill Motzer	**Total Depth:** 144.0' **Diameter:** 10.0"
	Logged By: SCN
Drilling Contractor: West Hazmat **Drillers Name:** Craig Chaffee **Drill Rig Type:** Schramm	**Inspector:** N/A **Date:** **Time:**
Start Time: 0900 **Complete Time:** 1200	**Date:** 9-23-93 **Date:** 10-7-93
Boring Depth: 144' **Casing Depth:** 140' **Water Depth:**	**Drawn By:** CPA **Disk Name:** 48016.18/DB-1
Backfilled Time:	**Date:** **By:**

Sample Information: Depth Interval	Pen/ Rec.	Type	P.I.D. (ppm)	BPF	I.D. #	Depth (feet)	Graphic Log	USCS	Soil Identification: Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
						1			Asphalt (0-3")
Drilled ahead to 6.0' due to large cobbles.						2			Gravelly Silt (ML) strong brown (7.5 YR 4/6), moist:
						3			medium soft to stiff, low plasticity, with little sand at 3'
						4			depth large cobbles to 3.5" (From cuttings) cobbles
						5			removed with hand auger
6.0' - 6.5'	18/6	SS	OVM=0 (headspace)	50	DB-1-6.0u	6			
						7			Silty Gravel (GM) light yellowish brown (10YR 6/4),
						8			dense, dry. Pebbles up to 2.5 "ø; little very fine to
						9			medium-grain sand, low plasticity fines, poorly-sorted,
						10			(too dense to continuously core), high permeability
10.0' - 10.5'	18/8	SS	OVM=0 (headspace)	42	DB-1-10.0u	11			
						12			
						13			Silty Gravel (GM) to Gravelly Silt (ML); dark
						14			yellowish brown (10YR 4/4); medium dense (stiff),
						15			moist, little fine to coarse-grained sand, low to
15.0' - 15.5'	18/10	SS		43	DB-1-15.0u	16			moderately plastic fines moderate permeability
						17			
						18			[Driller: in and out of gravelly/silty layers]
						19			
						20			

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY (140 lb. wt. X 30" fall on 2" O.D. sampler)		COHESIVE CONSISTENCY		GRAPHIC LEGEND
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft	gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft	sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft	silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff	clay
		50+	very dense	15 to 30	very stiff	
				30+	hard	

H+GCL Environmental Scientists and Engineers

Test Boring Log No: DB-1

Project Number: 48016.18 **Project Name:** Livermore Arcade

Sample Information						Depth (feet)	Graphic Log	USCS	Soil Identification
Depth Interval	Pen/ Rec.	Type	P.I.D. (ppm)	BPF	I.D.#				Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
20.0' - 21.5'	18/18	SS	OVM=0 (headspace)	27	DB-1-20.5u	21			Silty Clay (CL), olive yellow (2.5Y 6/6) mottled with
						22			pale olive (5Y 6/3) and yellowish brown (10YR 5/6),
						23			moist, stiff moderately plastic, very low permeability
						24			[Drilled ahead 21.5' - 25']
						25			Driller: clay "dried out", became harder Clayey Silt (ML)
25.0' - 26.5'	18/18	SS	OVM=0 (headspace)	43	DB-1-25.5u	26			yellowish brown (10YR 5/6), moist, stiff, moderately
						27			plastic, trace of sand and gravel, manganese staining,
						28			low permability
						29			
Cored from 26.5' to 35'	6/96	SS ↓ Punch				30			Silty Gravel (GM) (Gravel fell out of core barrel),
						31			(lithology call from cuttings)
						32			
						33			
						34			
						35			Clayey Silt (ML) light olive brown (2.5Y 5/14), moist,
35.0' - 40.0'	12/60	SS ↓ Punch	OVM=0 (headspace)		DB-1-35.0u	36			medium stiff, low plasticity, trace sand, low permeability
						37			
						38			Driller: Large cobble hit at 38', blew out remaining core
						39			Clayey material through 44'
						40			
40.0' - 41.5'	7/18	SS				41			Clayey Silt (ML) to Silty Clay (CL) (from cuttings)
41.5' - 44.0'		SS ↓ Punch			1st water ▽	42			
						43			
						44			
44.0' - 45.5'	0/18					45			
						46			
						47			

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY (140 lb. wt. X 30" fall on 2" O.D. sampler)		COHESIVE CONSISTENCY (140 lb. wt. X 30" fall on 2" O.D. sampler)		GRAPHIC LEGEND	
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft		gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft		sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft		silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff		clay
		50+	very dense	15 to 30	very stiff		
				30+	hard		

GCL Environmental Scientists and Engineers

Test Boring Log No: DB-1

Project Number: 48016.18 **Project Name:** Livermore Arcade

Sample Information						Depth (feet)	Graphic Log	USCS	Soil Identification
Depth Interval	Pen/ Rec.	Type	P.I.D. (ppm)	BPF	I.D. #				Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
						48			
48.5'	48/48	SS	OVM= 1.7 (headspace)		DB-1-48.5	49			Silty Clay (CL), light olive brown (2.5Y 6/4), wet, soft,
						50			trace pebbles, faint solvent odor
50.0' 51.5'	18/18	SS	OVM= 1.4 (headspace)	15	DB-1-50.0	51			Gravelly Silt (ML), yellowish brn (10Y 5/6), wet, soft, mod. plastic, little pebbles, low to mod. permeability
						52			
						53			Silty Clay (CL/CH), yellowish brown (10YR 5/6), very soft, moderate to high plasticity, trace of sand and pebbles
						54			
						55			
						56			
						57			
57.5' 59.0'	18/18	SS	OVM= 1.4 (headspace)	47	DB-1-57.0	58			Gravelly Silt (ML), light yellowish brown (10YR 5/4) stiff, moderate plasticity, little pebbles
						59			
						60			
						61			
62.0' 63.5'	18/18	SS	OVM= 0.7 (headspace)	65	DB-1-62.0	62			Gravelly Silt (ML), light yellowish brown (10YR 6/4),
						63			stiff, moderately plastic fines (soft), little sand color
						64			changes to dark yellowish brown (10YR 4/4) with some
						65			sand, high permeability
						66			
						67			
						68			
						69			
						70			Silty Sand (SM) 69.5'-70.0'
71.0' 72.5'	18/18	SS	OVM= 0.5 (headspace)	41	DB-1-70.0	71			Sandy Silt (ML), yellowish brown (10YR 5/6), mottled w/ strong brown (7.5YR 5/6), oxides, stiff, little sand, gravel
						72			
72.5' 74.0'	18/18	SS	OVM= 2.0 (headspace)	34		73			Sandy Gravel (GM), light yellowish brown (10YR 6/4), loose to medium dense, some very fine to
						74			medium-grained sand, trace fines, high permeability

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY (140 lb. wt. X 30" fall on 2" O.D. sampler)		COHESIVE CONSISTENCY (140 lb. wt. X 30" fall on 2" O.D. sampler)		GRAPHIC LEGEND	
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft		gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft		sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft		silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff		clay
		50+	very dense	15 to 30	very stiff		
				30+	hard		

HGCL Environmental Scientists and Engineers

Test Boring Log No: DB-1

Project Number: 48016.18 **Project Name:** Livermore Arcade

Sample Information						Depth (feet)	Graphic Log	USCS	Soil Identification
Depth Interval	Pen/ Rec.	Type	P.I.D. (ppm)	BPF	I D #				Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
74.0'	18/18	SS		23		75			
75.5'									
75.5'	18/18	SS	OVM=	34		76			Silty Clay (CL/CH), light yellowish brown (10YR 5/6)
77.0'			0.5 (headspace)			77			mod. to high plasticity, trace sand, soft to stiff
						78			Gravelly Clay(CL), yellowish brn (10YR 5/6), very soft, some gravel, low K
						79			Sand (SP), light olive brown (2.5Y 5/6), loose, very
79.0'	60/60	SS	OVM=0 (headspace)			80			fine-grained, trace of silt, high permeability
84.0'		Punch				81			Gravelly Silt (ML) & Sand, light yellowish brn (10YR 6/4),
						82			stiff, mod. plasticity, (some Gravel), mod. K
						83			Clayey Silt (ML), yellowish brown (10YR 5/6), medium
						84			soft to stiff, low plasticity, low permeability
84.0'	60/60	SS	OVM=0 (headspace)			85			Silty Clay (CL), brown (7.5YR 5/4), very stiff, trace
89.0'		Punch				86			pebbles, moderate plasticity, very low permeability
						87			Clayey Silt (ML), light olive brown (2.5Y 5/4), stiff, mod.
						88			plastic; manganese oxide stains color changes to light
						89			yellowish brown (2.5Y 6/4) at 89.0'
89.0'	18/18	SS				90			
91.0'		Punch				91			
						92			Clayey Silt (ML), strong brown (7.5YR 4/6), moderate
						93			plasticity, stiff, trace of sand
						94			Gravelly Silt (ML), strong brown (7.5YR 5/6), stiff, moderate plasticity, trace of sand, moderate permeability
94.0'	48/60	SS	OVM=			95			Clayey Silt (ML), strong brown (7.5YR 5/4) very stiff,
99.0'		Punch	0.1 (headspace)			96			mod. plastic, trace pebbles, and carbonate
						97			
						98			(At 98.7' becomes stiff with trace sand)
						99			
99.0'	48/60	SS				100			Sand (SP), olive brown (2.5Y 4/4), trace silt, very
104.0'		Punch				101			fine-grained, well-sorted, high permeability

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY (140 lb. wt. X 30" fall on 2" O.D. sampler)		COHESIVE CONSISTENCY (140 lb. wt. X 30" fall on 2" O.D. sampler)		GRAPHIC LEGEND	
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft		gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft		sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft		silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff		clay
		50+	very dense	15 to 30	very stiff		
				30+	hard		

GCL Environmental Scientists and Engineers

Test Boring Log No: DB-1

Project Number: 48016.18 **Project Name:** Livermore Arcade

Sample Information						Depth (feet)	Graphic Log	USCS	Soil Identification
Depth Interval	Pen/ Rec.	Type	P.I.D. (ppm)	BPF	I.D. #				Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
104.0' 109.0'	0/60	SS Punch	OVM= 0.1 (headspace)			102			Gravelly Sand (SM), light olive brown (2.5Y 3/3), loose to mod. dense, little fines, moderately sorted
						103			Silty Gravel (GM), yellowish brown (10YR 5/6), med.
						104			dense, some silt and clay, little sand, poorly-sorted, high
						105			permeability
						106			
						107			
						108			
						109			
						110			
						111			
						112			
						113			Gravelly Sand (SW), light olive brown (2.5Y 5/3), loose,
						114			trace of fines, moderately-sorted, high permeability
114.0' 119.0'	30/60	SS Punch				115			
						116			
						117			
						118			Silty Gravel (GM), yellowish brown (10YR 5/6), med. dense, some silt and clay, little sand, poorly-sorted, high permeability
						119			Clayey Silt (ML), yellowish brown (10YR 5/6), stiff, low plasticity
119.0' 124.0'	48/60	SS Punch	OVM=0 (headspace)			120			Silty Gravel (GM) to Gravelly Silt (ML), light olive brown
						121			(2.5Y 5/3), very stiff (dense), little sand, poorly-sorted,
						122			iron oxides, moderate permeability
						123			Silty Sand (SM), light olive brown (2.5Y 5/3), loose, little
						124			fines, very fine to coarse-grained, poorly-sorted, high K
124.0' 129.0'	48/60	SS Punch				125			Silty Gravel (GM), light yellowish brown (10YR 5/6),
						126			dense, little sand, some fines, iron oxides, moderate
						127			permeability
						128			

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY 140 lb. wt. X 30" fall on 2" O.D. sampler		COHESIVE CONSISTENCY		GRAPHIC LEGEND	
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft		gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft		sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft		silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff		clay
		50+	very dense	15 to 30	very stiff		
				30+	hard		

HGCL Environmental Scientists and Engineers

Test Boring Log No: DB-1

Project Number: 48016.18 **Project Name:** Livermore Arcade

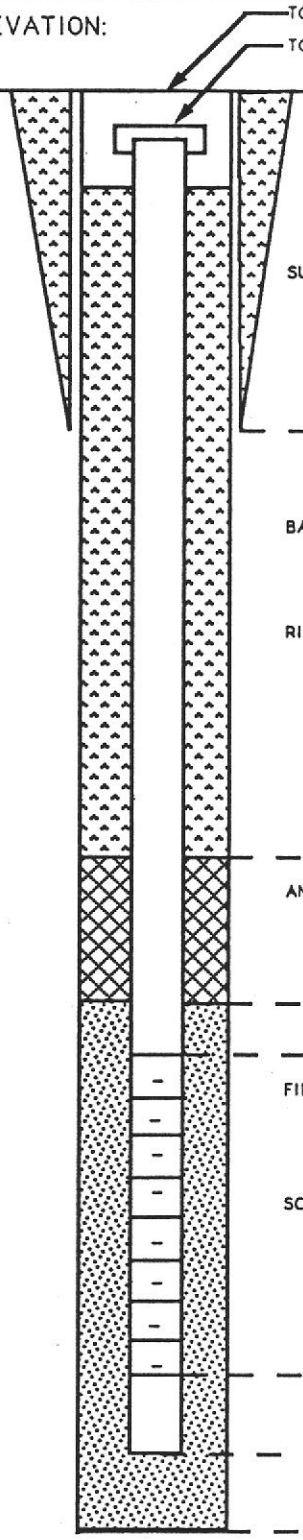
Sample Information						Depth (feet)	Graphic Log	USCS	Soil Identification
Depth Interval	Pen/ Rec.	Type	P.I.D. (ppm)	BPF	I.D.#				Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
129.0' 134.0'	36/60	SS Punch				129			Silty Gravel (GM), light yellowish brown (10YR 5/6),
						130			dense, little sand, some fines, with large cobbles,
						131			poorly-sorted, iron oxides, moderate to high permeability
						132			
			OVM=0 (headspace)			133			Silty Sand (SM/SP), olive (5Y 4/4), loose, very fine to
						134			medium-grained, moderately-sorted, trace gravel, fines,
134.0' 139.0'	34/60	SS Punch				135			high permeability
						136			
						137			Gravelly Silt (ML), light yellowish brown (2.5Y 6/4),
						138			medium soft to stiff, iron oxide, staining, moderately
						139			plastic, little sand, some gravel, moderate permeability
139.0' 144.0'	30/60					140			
						141			
						142			
						143			
						144			Clayey Silt (ML), yellowish brown (10YR 5/6), stiff,
						145			moderately plastic, low permeability
									Total Depth - 144'

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY (140 lb. wt. X 30" fall on 2" O.D. sampler)		COHESIVE CONSISTENCY		GRAPHIC LEGEND	
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft		gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft		sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft		silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff		clay
		50+	very dense	15 to 30	very stiff		
				30+	hard		

GROUND WATER MONITOR WELL: DMW-2 INSTALLATION:	PROJECT: LIVERMORE ARCADE JOB NO. 48016.18	WELL NO. DMW-2
DRILLING CONTRACTOR: WEST HAZMAT	COORDINATES:	DRAWN BY: CPA
BEGUN: 10-6-93 FINISHED: 10-7-93	SUPERVISOR: Scott Nelson DRILLER: Tom	WELL SITE LIVERMORE ARCADE Olivina Ave. & N. S St.
WATER LEV.	DEPTH /EL.	

REFERENCE POINT & ELEVATION:
GENERALIZED
GEOLOGIC LOG



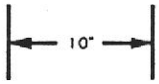
DEPTH IN FEET	ELEV. IN
80.0	
115.5	
119.0	
125.0	
145.0	
145.0	

METHOD DRILLED: Air Rotary 0-80'
Bucket Auger 0-70

METHOD DEVELOPED: surge/bail

TIME DEVELOPED: 10/27/93

HOLE DIAMETER



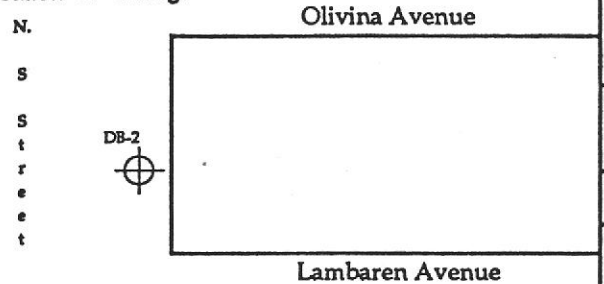
COMMENTS:

BACKFILL ANNULAR SEAL FILTER MATERIAL

Test Boring Log No: DB-2

GCL Environmental Scientists and Engineers

Location of boring:



Project Name: Livermore Arcade **Project Number:** 48016.18 **Project Manager:** Bill Motzer	**Total Depth:** 145.0' **Diameter:** 10.0"
Drilling Contractor: West Hazmat **Drillers Name:** Craig Chaffee **Drill Rig Type:** Schramm	**Logged By:** SCN **Inspector:** N/A **Date:** **Time:**
Start Time: 0930 **Complete Time:** 1830	**Date:** 9-28-93 **Date:** 10-6-93
Boring Depth: 145' **Casing Depth:** 145' **Water Depth:**	**Drawn By:** CPA **Disk Name:** 48016.18/DB-2
Backfilled Time:	**Date:** **By:**

Sample Information						Depth (feet)	Graphic Log	USCS	Soil Identification Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
Depth Interval	Pen/ Rec.	Type	P.I.D. (ppm)	BPF	I D #				
						1			Asphalt (0-3")
Drilled ahead to 5.0'	ø					2			Gravelly Silt (ML) dark yellowish brown (10 YR 4/4), dry
						3			hard, $CaCO_3$, little pebbles, trace of sand, low plasticity
						4			fines.
						5			
5.0' - 6.5	14/18	SS	OVM=0	83		6			
						7			[Drilled ahead to 10' to get through dense material]
						8			Gravel (GW), light yellowish brown (10YR 6/4) very
						9			dense, dry, trace of sand, fines
						10			[From cuttings]
10.0' - 11.5	30/42	SS Punch	OVM=0	95		11			Silty Sand with Gravel (SM), strong brown (7.5YR 4/6),
						12			moist, very dense, little gravel, low plasticity fines,
						13			moderate permeability
						14			Gravelly Silt with Sand (ML), light yellowish brown,
						15			moist, stiff, low plasticity, trace clay, sand, moderate
15.0' - 16.5		SS Punch				16			permeability
						17			Clayey Silt (ML), yellowish brown (10YR5/4), moist, stiff,
						18			moderately plastic, trace of very-fine grained sand,
			OVM=0			19			manganese staining, trace of pebbles, low permeability
						20			At 20' color change to dark yellowish brown (10YR 4/4)

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY 140 lb. wt. X 30" fall on 2" O.D. sampler		COHESIVE CONSISTENCY		GRAPHIC LEGEND	
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft		gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft		sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft		silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff		clay
		50+	very dense	15 to 30	very stiff		
				30+	hard		

Test Boring Log No: DB-2

HGCL Environmental Scientists and Engineers

Project Number: 48016.18 **Project Name:** Livermore Arcade

Sample Information									Soil Identification
Depth Interval	Pen/ Rec.	Type	P.I.D. (ppm)	BPF	I D #	Depth (feet)	Graphic Log	USCS	Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
20.0' - 25.0'	14/60	SS Punch	OVM = 1.4 (headspace) OVM=2 (cuttings)		DB-2-20.5u	21 22 23 24 25			[Faint solvent odor]
25.0' - 30.0	30/60	SS Punch	OVM = 0.5 (headspace)			26 27 28 29 30			Gravelly Silt (ML), light olive brown (2.5Y 5/4), moist, medium stiff, little pebbles, sand, trace clay, carbonate staining, low plasticity, moderate permeability. Wet at 30' becomes very moist, almost saturated and mottled yellowish brown (10YR 5/6)
30.0' - 35.0	18/60	SS Punch	OVM = 0.1 (headspace) & (cuttings)		DB-2-30.0u	31 32 33 34 35			Gravelly Clay (CL), light olive brown (2.5Y 5/4), very moist, moderate plasticity, some pebbles to 2.0"ø, medium stiff
35.0' - 37.0' Drill Ahead	24/24 6/36	SS			Auger rig hit water at ▽ 37' (9-30-93)	36 37 38 39 40			Clayey Gravel (GC), light olive brown (2.5 Y 5/4), very moist, stiff, mod. plastic fines, trace sand, moderate permeability. [Clay on end of bit]
40.0' - 45.0	30/60	SS Punch	OVM = 0.3 (headspace)		DB-2-40.0u	41 42 43 44 45			Silty Gravel (GM), yellowish brown (10YR 5/6), mottled with strong brown (7.5YR 4/6), very moist, very dense, some fines, sand, high permeability. Driller: softer below 43'
45.0' - 50.0	18/60	SS Punch	OVM (headspace) = 1.5			46 47			Silty to Clayey Sand (SM) with Gravel, light olive brown (2.5Y 5/4), very moist, medium dense, little fines and gravel, moderate permeability

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY (140 lb. wt. X 30" fall on 2" O.D. sampler)		COHESIVE CONSISTENCY (140 lb. wt. X 30" fall on 2" O.D. sampler)		GRAPHIC LEGEND	
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft		gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft		sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft		silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff		clay
		50+	very dense	15 to 30	very stiff		
				30+	hard		

Test Boring Log No: DB-2

GCL Environmental Scientists and Engineers

Project Number: 48016.18 **Project Name:** Livermore Arcade

Sample Information						Depth (feet)	Graphic Log	USCS	Soil Identification
Depth Interval	Pen/ Rec.	Type	P.I.D. (ppm)	BPF	I.D. #				Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
45.0' - 50.0'	18/60	SS ↓ Punch	OVM = 1.5 (headspace)			48			Sandy Silt (ML), yellowish brown, very moist, stiff, mod. plastic, little sand, low permeability
						49			
						50			
50.0' - 55.0'	48/60	SS ↓ Punch	OVM = 0.1 (cuttings)			51			
						52			
						53			At 53', heavy manganese oxide staining
						54			Clayey Gravel (GC), light yellowish brown (10YR 6/4), dense, some mod. plastic fines, trace very fine to
55.0' - 60.0'	35/60	SS ↓ Punch				55			medium-grained sand, moderate permeability
						56			Gravelly Silt (ML) and Clay, brownish yellow
						57			(10YR 6/6), very moist, mod. stiff, mod. plastic, little
						58			pebbles, trace sand, moderate permeability
			(headspace) & (cuttings)			59			
60.0' - 65.0'	48/60	SS ↓ Punch	OVM=.1 (headspace)			60			Silty Clay (CL), brownish yellow (10YR 6/6) mottled with pale olive (5Y 6/4) and strong brown (7.5YR 5/6), mod. stiff, mod. plastic, little pebbles, MnO_2 stains
						61			
						62			
						63			
						64			Silty Sand (SM), light yellowish brown (10YR 6/4), loose to medium dense, some silt and clay, trace gravel, wet
42.0' - 60.0'		SS ↓ Punch				65			
						66			
						67			Gravelly Clay (CL) and Sand, light yellowish brown (10YR 6/4), mottled with brownish yellow (10YR 6/6), stiff, moderate plasticity
						68			
						69			
60.0' - 60.0'		SS ↓ Punch	OVM=0 (headspace)			70			Yellowish brown (10YR 5/8), stained layer 68.1' - 68.3' (erosional layer?), wet
						71			
						72			
			OVM=0 (headspace)			73			Gravelly Silt (ML), light olive brown (2.5Y 5/4), medium stiff to stiff, wet, moderate plasticity, little gravel, trace
						74			

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY (140 lb. wt. X 30" fall on 2" O.D. sampler)		COHESIVE CONSISTENCY (140 lb. wt. X 30" fall on 2" O.D. sampler)		GRAPHIC LEGEND	
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft		gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft		sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft		silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff		clay
		50+	very dense	15 to 30	very stiff		
				30+	hard		

Test Boring Log No: DB-2

HGCL Environmental Scientists and Engineers

Project Number: 48016.18 **Project Name:** Livermore Arcade

Sample Information						Depth (feet)	Graphic Log	USCS	Soil Identification
Depth Interval	Pen/ Rec.	Type	P.I.D. (ppm)	BPF	I.D.#				Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
						75			sand and brownish yellow (10YR 6/8), mottling, local
75.0' - 80.0'	21/60	SS ↓ Punch				76			carbonate, low to moderate permeability
						77			[Silty Sand (SM) 75 - 75.5']
						78			Clayey Silt (ML), light olive brown (2.5Y 5/4), stiff, wet,
						79			moderate plasticity, mottled with strong brown (7.5YR
						80			5/6), (iron oxides) and pale olive (5Y 6/4)
80.0' - 85.0'	48/60	SS ↓ Punch				81			
						82			
						83			
						84			
						85			At 85.1', color pale olive (5Y 6/4) with light olive brown
85.0' - 90.0'	48/60	SS ↓ Punch	OVM=0 (headspace)			86			(7.5YR 5/6) and strong brown mottling, trace of sand
						87			(thin stringers), low permeability
						88			
						89			At 88', color change to strong brown (7.5YR 5/6). Color
90.0'- 95.0'	60/60	SS ↓ Punch				90			change to light yellowish brown (10YR 6/4) at 89'.
						91			
						92			At 91', becomes medium soft.
						93			Sandy silt (ML), lt. olive brn (2.5Y 5/4), med. soft, trace
						94			carbonate, sand, low permability
						95			Silty Clay (CL), light yellowish brown (2.5Y 6/4), med.
95.0' - 100.0'	66/66	SS ↓ Punch	OVM=0.5 (headspace)			96			soft to stiff, mod. plasticity, very low permeability
						97			Clayey Silt (ML), light yellowish brown (2.5Y 6/4), stiff,
						98			moderate plasticity, trace sand, low permeability
						99			
						100			
100.0' - 105.0'	60/60	SS ↓ Punch				101			Sandy Silt (ML), yellowish brown (10YR 5/4), med. soft,
									low plasticity, some very fine-grained sand, trace gravel

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY 140 lb. wt. X 30" fall on 2" O.D. sampler		COHESIVE CONSISTENCY		GRAPHIC LEGEND
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft	gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft	sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft	silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff	clay
		50+	very dense	15 to 30	very stiff	
				30+	hard	

HGCL Environmental Scientists and Engineers

Test Boring Log No: DB-2

Project Number: 48016.18 **Project Name:** Livermore Arcade

Sample Information						Depth (feet)	Graphic Log	USCS	Soil Identification
Depth Interval	Pen/ Rec.	Type	P.I.D. (ppm)	BPF	I D #				Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
			OVM=0 (headspace)			102			
						103			
						104			Silty Clay (CL), brown (7.5YR 5/4) above 104', changing
105.0' - 110.0'	ø/60	SS ↓ Punch				105			to light yellowish brown (2.5Y 6/4), mottled with yellowish brown (10YR 5/6), stiff, mod. plastic,
						106			manganese oxide stains, low permeability
						107			Driller: 105' - 110' run was all clay/silt and no gravel
						108			(core fell out of tube)
						109			
110.0' - 115.0'	60/60	SS ↓ Punch	OVM=0.2 (headspace)			110			
						111			
						112			Sandy Silt (ML), light olive brown (2.5Y 6/4) soft, low plasticity, some sand, (mod. permeability)
						113			Clayey Silt (ML), light yellowish brown (2.5Y 6/3), stiff,
						114			moderate plasticity, trace pebbles, manganese oxide
						115			stains
115.0' - 120.0'	30/60	SS ↓ Punch				116			Silty Gravel (GM), light olive brn (2.5Y 5/4), med. dense,
						117			pebbles up to 2.5"ø, some low plastic fines, little very fine
			OVM=0 (headspace)			118			- coarse grained sand, overall poorly-sorted, high K
						119			
120.0'- 125.0'	60/60	SS ↓ Punch				120			Silty Clay (CL), light yellowish brown (2.5Y 6/4) , stiff,
						121			mod. plasticity, low permeability
						122			
						123			Clayey Silt (ML), lt yellowish brn (2.5Y 6/4) mottled w/
						124			pale olive (5Y 6/4) & yellowish brn (10YR 5/6), trace
125.0' - 130.0'	44/66	SS ↓ Punch	OVM=0			125			sand, low K, Silty sand (SM) stringer 124.8'-125.1'
						126			Sandy Silt (ML) yellowish brown (10YR 5/8) mottled
						127			with pale olive (5Y 6/4), trace of pebbles
						128			Clayey Silt (ML), yellowish brn (10YR 5/6) mottled w/

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY (140 lb. wt. X 30" fall on 2" O.D. sampler)		COHESIVE CONSISTENCY (140 lb. wt. X 30" fall on 2" O.D. sampler)		GRAPHIC LEGEND	
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft		gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft		sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft		silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff		clay
		50+	very dense	15 to 30	very stiff		
				30+	hard		

Test Boring Log No: DB-2

HGCL Environmental Scientists and Engineers

Project Number: 48016.18 **Project Name:** Livermore Arcade

Sample Information						Depth (feet)	Graphic Log	USCS	Soil Identification
Depth Interval	Pen/ Rec.	Type	P.I.D. (ppm)	BPF	I.D.#				Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
						129			light yellow brown (2.5Y 6/4), trace sand, low plastic,
						130			low permeability, Silty Gravel (GM) 129.2'-130.2'
130.0' - 135.0'	60/60	SS ↓ Punch	OVM=0 (headspace)			131			Sand (SP), olive (5Y 4/3), loose, very fine-fine grained,
						132			moderate to well-sorted, high permeability
						133			
						134			Sandy Gravel (GW), olive (5Y 4/3), very loose to loose,
						135			trace fines, some sand (very fine to very coarse), very
135.0' - 140.0'	36/60	SS ↓ Punch				136			poorly-sorted, high permeability
						137			Silty Gravel (GM), light yellowish brown (2.5Y 6/4)
						138			mottled with strong brown (7.5YR 5/4), dense, mod.
						139			plastic fines, little to some sand, poorly-sorted,
						140			moderate-high permeability
140.0' - 145.0'	30/60	SS ↓ Punch	OVM=0 (headspace)			141			
						142			
						143			Clayey Silt (ML), yellowish brown (10YR 5/6), stiff,
						144			moderate plasticity, low permeability,
						145			TD=145'

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY (140 lb. wt. X 30" fall on 2" O.D. sampler)		COHESIVE CONSISTENCY (140 lb. wt. X 30" fall on 2" O.D. sampler)		GRAPHIC LEGEND	
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft		gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft		sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft		silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff		clay
		50+	very dense	15 to 30	very stiff		
				30+	hard		

APPENDIX C

GROUNDWATER SAMPLING AND DEVELOPMENT FORMS

HGCL
Environmental Scientists and Engineers

WATER SAMPLING FIELD SURVEY FORM

Job No. 48016.18 Site: Livermore, CA. Date: 10-15-93

Well No. DMW-2 Sampling Team: SCOTT NELSON / WEST HAZMAT

Sampling Method: Bailer

Field Conditions: Breezy, Sunny

Describe equipment D-Con before sampling well: ______

Total depth of well: 145.0' feet

Depth to water before pumping: 37.68 feet Time: ______

AFTER 42.15

	Diameter 2-in	Diameter 4-in.		Volume	Purge Factor	Volume To Purge
Height of Water Column: 107.32 feet	*0.16	0.65	=	70 gal.	* 3	= 210

Depth purging from: 80', 110', 130', 145 Time purging begins: 9:20

DEPTH	Time	Volume Purged (In Gallons)	pH (Units)	Conductivity (umhos/cm@ 25 °C)	T (°C)	% Dissolved O2	Notes
80'	9:20 - 9:22	20					well went dry to Level of pump
110'	9:26	55	8.46	7.63 X 100 µS	67.0		Light Brown, few fines
130'	9:36	120	8.23	8.30 X 100 µS	66.2		
	9:45	165	7.94	8.58 X 100 µS	66.6		clearer
145'	9:52	220	8.02	8.66 X 100 µS	66.5		
	10:01	275	7.96	8.57 X 100 µS	66.6		
	10:08	330	8.02	8.29 X 100 µS	66.8		clear

WATER SAMPLING FIELD SURVEY FORM

Job No. 48016.18 Site: LIVERMORE ARCADE Date: 10-8-93

Well No. DMW-1 Sampling Team: SCOTT NELSEN

Sampling Method: NEW BAILER

Field Conditions: BREEZY, WARM

Describe equipment D-Con before sampling well: STEAM CLEANED PUMP (GENERAL ELECTRIC 1/3 H.P. 2-STAGE 4" PUMP) AND PIPE, NEW BAILER

Total depth of well: 140 feet

Depth to water before pumping: 42.88' feet Time: 09:47

	Diameter						
	2-in	4-in.					
	(Purge Factors)		Volume		Purge Factor	Volume To Purge
Height of Water Column: 97.12 feet	*0.16	(0.65)	=	63 gal.	* 3	= 189

Depth purging from: 70-120 Time purging begins: 12:54 → Pump on

Time	Volume Purged (In Gallons)	pH (Units)	Conductivity (umhos/cm@ 25 °C)	T (°C)	% Dissolved O2	Notes
PUMP DEPTH						
1122	40	10.20	6.15 x100 µS	70.7		muddy water
70' 12:58	90	9.06	5.24 x 100 µS	72.3		LIGHT BROWN
1302	140	8.61	8.85 X100 µS	68.5		"
110' 1307	190	8.41	8.51 X100 µS	67.3		"
1315	240	8.40	7.3 x100 µS	68.2		clearing
140' 1329	290	8.34	8.95 x100 µS	67.5		"
1331	340	8.04	9.03 X100 µS	67.3		clear

APPENDIX D

CHAIN OF CUSTODY RECORDS
DHS CERTIFIED LABORATORY DATA SHEETS

H+GCL Environmental Scientists and Engineers

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Albuquerque, NM 87102
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FAX: (505) 842-0595

☐ NASA-WSTF
PO Drawer MM
Las Cruces, NM 88004
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FAX: (505) 524-5315

☐ Boston
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FAX: (617) 367-1386

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FAX: (312) 648-0818

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FAX: (714) 955-0965

☐ Mid Atlantic Region
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Lanham, MD 20706-4325
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FAX: (301) 459-3064

☐ New York
261 Madison Avenue
New York, NY 10016
(212) 983-8510
FAX: (212) 983-8795

☒ San Francisco
2200 Powell Street, Ste. 880
Emeryville, CA 94608
(510) 547-3888
FAX: (510) 547-3831

7179

Chain of Custody

Date 9-24-03 Page 1 of 1

Lab Name K-Prime, Inc.
Address
Telephone 222-4915
Samplers (SIGNATURES) Scott Nelson

Analysis Request

Sample Number	Matrix	Location	Halogenated Volatiles 601/8010	Aromatic Volatiles 602/8020	Phenols, Sub Phenols 604/8040	Pesticides/PCB 608/8080	Polynuclear Aromatic Hydrocarbons 610/8310	Volatile Compounds GC/MS 624/8240	Base/Neut/Acid Compounds GC/MS 625/8270	Total Organic Carbon (TOC) 415/9060	Total Organic Halides (TOX) 9020	Petroleum Hydrocarbons 418.1	TPH/BTEX Modified 8015	TCLP- Vol., Semi-Vol. Herbicides, Pesticides	TCLP- Metals	RCRA Metals(8)	Priority Pollutant Metals (13)	CAM Metals (16) TTLC/STLC	Flash Point	Corrosivity	Reactivity	Oil & Grease	Cyanide Total/Amenable	Chemical Oxygen Demand (COD)					Number of Containers
DB-1-6.0u	Soil	Livermore																											
DB-1-10.0u								X																					
DB-1-15.0u																													
DB-1-20.5u								X																					
DB-1-25.5u																													
DB-1-35.0u								X																					
DB-1-45.5u	↓	↓						X																					

Project Information	
Project	48016.10
Project Director	BM
Charge Code No.	
Shipping ID. No.	SF 7243
Via:	

Sample Receipt	
Total No. of Containers	
Chain of Custody Seals	
Rec'd Good Condition/Cold	
Conforms to Record	
Lab No.	

Special Instructions/Comments: Please HOLD DB-1-6.0u, DB-1-15.0u and DB-1-25.5u; Please RUSH DB-1-45.5u; DB-1-10.0u, DB-1-20.5u and DB-1-35.0u are required for analysis.

Relinquished By 1.	Relinquished By 2.	Relinquished By 3.
(Signature) (Time) Scott Nelson 9-24-03 16:18	(Signature) (Time)	(Signature) (Time)
(Printed Name) (Date)	(Printed Name) (Date)	(Printed Name) (Date)
(Company)	(Company)	(Company)
Received By 1.	**Received By 2.**	**Received By (Laboratory) 3.**
(Signature) (Time) Richard A. Kagel 16:18	(Signature) (Time)	(Signature) (Time)
(Printed Name) (Date) K Prime, Inc. 9/24/03	(Printed Name) (Date)	(Printed Name) (Date)
(Company)	(Company)	(Laboratory)

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7185

Chain of Custody

Date 10-15-93 Page 1 of 1

Lab Name L - Prime

Address

Telephone

Samplers (SIGNATURES) Scott Nelson

Analysis Request

Sample Number	Matrix	Location	Halogenated Volatiles 601/8010	Aromatic Volatiles 602/8020	Phenols, Sub Phenols 604/8040	Pesticides/PCB 608/8080	Polynuclear Aromatic Hydrocarbons 610/8310	Volatile Compounds GC/MS 624/8240	Base/Neu/Acid Compounds GC/MS 625/8270	Total Organic Carbon (TOC) 415/9060	Total Organic Halides (TOX) 9020	Petroleum Hydrocarbons 418.1	TPH/BTEX Modified 8015	TCLP- Vol., Semi-Vol. Herbicides, Pesticides	TCLP- Metals	RCRA Metals(8)	Priority Pollutant Metals (13)	CAM Metals (16) TTLC/STLC	Flash Point	Corrosivity	Reactivity	Oil & Grease	Cyanide Total/Amenable	Chemical Oxygen Demand (COD)					Number of Containers
9-30-93 1400	Groundwater	DMW-1						X																					3
9-30-93 1510	"	DMW-2						X																					3

Project Information	Sample Receipt		Relinquished By 1.	Relinquished By 2.	Relinquished By 3.
Project Livermore Area	Total No. of Containers	6	Scott Nelson		
Project Director Bill Nelson/Scott N.	Chain of Custody Seals		(Signature) (Time)	(Signature) (Time)	(Signature) (Time)
Charge Code No. 11506.18	Rec'd Good Condition/Cold		Scott Nelson 1215		
Shipping ID. No. SF# 7288	Conforms to Record		(Printed Name) (Date)	(Printed Name) (Date)	(Printed Name) (Date)
Via:	Lab No.		H+GCL 10-15-93		
			(Company)	(Company)	(Company)
Special Instructions/Comments: Please analyze on 5-day turnaround			Received By 1.	Received By 2.	Received By (Laboratory) 3.
			(Signature) (Time)	(Signature) (Time)	(Signature) (Time)
			(Printed Name) (Date)	(Printed Name) (Date)	(Printed Name) (Date)
			(Company)	(Company)	(Laboratory)

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7181

Chain of Custody

Date 10-7-93 Page 2 of 2

Lab Name K-Prime
Address
Telephone
Samplers (SIGNATURES) Scott Nelson

Analysis Request

Sample Number	Matrix	Location	Halogenated Volatiles 601/8010	Aromatic Volatiles 602/8020	Phenols, Sub Phenols 604/8040	Pesticides/PCB 608/8080	Polynuclear Aromatic Hydrocarbons 610/8310	Volatile Compounds GC/MS 624/8240	Base/Neu/Acid Compounds GC/MS 625/8270	Total Organic Carbon (TOC) 415/9060	Total Organic Halides (TOX) 9020	Petroleum Hydrocarbons 418.1	TPH/BTEX Modified 8015	TCLP- Vol., Semi-Vol. Herbicides, Pesticides	TCLP- Metals	RCRA Metals(8)	Priority Pollutant Metals-(13)	CAM Metals (17) CCR Title 22 Metals, STLC/TTLC	Flash Point	Corrosivity	Reactivity	Oil & Grease	Cyanide Total/Amenable	Chemical Oxygen Demand (COD)	Toxicity				Number of Containers
9310070830	Soil	Live Imore (Bin 15)						X										X											
9310070840	↓	(Bin 15)																	X	X	X				X				
9310070900		(Bin on N. S. Street)						X										X											
9310070910		(Bin on N. S. Street)																	X	X	X				X				

Project Information	Sample Receipt
Project 48016.18	Total No. of Containers
Project Director Bill Motzer	Chain of Custody Seals
Charge Code No.	Rec'd Good Condition/Cold
Shipping ID. No. SF-7271	Conforms to Record
Via:	Lab No.

Special Instructions/Comments: Please RUSH SAMPLE RESULTS

Relinquished By 1.	Relinquished By 2.	Relinquished By 3.
(Signature) Scott Nelson (Time) 10PM	(Signature) (Time)	(Signature) (Time)
(Printed Name) SCOTT NELSON (Date) 10/7	(Printed Name) (Date)	(Printed Name) (Date)
(Company) H+GCL	(Company)	(Company)
Received By 1.	**Received By 2.**	**Received By (Laboratory) 3.**
(Signature) Catherine M Steele (Time) 10:17	(Signature) (Time)	(Signature) (Time)
(Printed Name) CATHERINE M STEELE (Date) 10/7/93	(Printed Name) (Date)	(Printed Name) (Date)
(Company) K PRIME, INC.	(Company)	(Laboratory)

DISTRIBUTION: WHITE, CANARY - LABORATORY • PINK, H+GCL

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Emeryville, CA 94608
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FAX: (510) 547-3631

7180

Chain of Custody

Date 10-7-93 Page 1 of 2

Lab Name K- Prime
Address
Telephone
Samplers (SIGNATURES) Scott Nelson

Analysis Request

Sample Number	Matrix	Location	Halogenated Volatiles 601/8010	Aromatic Volatiles 602/8020	Phenols, Sub Phenols 604/8040	Pesticides/PCB 608/8080	Polynuclear Aromatic Hydrocarbons 610/8310	Volatile Compounds GC/MS 624/8240	Base/Neut/Acid Compounds GC/MS 625/8270	Total Organic Carbon (TOC) 415/9060	Total Organic Halides (TOX) 9020	Petroleum Hydrocarbons 418.1	TPH/BTEX Modified 8015	TCLP - Vol., Semi-Vol. Herbicides, Pesticides	TCLP - Metals	RCRA Metals(8)	Priority Pollutant Metals (13)	CAM Metals (18) TTLC/STLC	Flash Point	Corrosivity	Reactivity	Oil & Grease	Cyanide Total/Amenable	Chemical Oxygen Demand (COD)					Number of Containers
DB-1-50.0s	Soil	Livermore						X																					
DB-1-57.0s																													
DB-1-62.0s								X																					
DB-1-70.0s																													
DB-2-30.0sl								X																					
DB-2-40.0sl																													
DB-2-50.0sl								X																					
DB-2-13.0sl																													
DB-2-20.5sl								X																					

Project Information	Sample Receipt		Relinquished By 1.	Relinquished By 2.	Relinquished By 3.
Project 48016.18	Total No. of Containers		Scott Nelson 10/7		
Project Director Bill Holzer	Chain of Custody Seals		(Signature) (Time)	(Signature) (Time)	(Signature) (Time)
Charge Code No.	Rec'd Good Condition/Cold		SCOTT NELSON 10-7-93		
Shipping ID. No. SF-7272	Conforms to Record		(Printed Name) (Date)	(Printed Name) (Date)	(Printed Name) (Date)
Via:	Lab No.		H+GCL		
			(Company)	(Company)	(Company)
			Received By 1.	Received By 2.	Received By (Laboratory) 3.
			Catherine M Steele		
			(Signature) (Time)	(Signature) (Time)	(Signature) (Time)
			CATHERINE M STEELE 10:17		
			(Printed Name) (Date)	(Printed Name) (Date)	(Printed Name) (Date)
			K PRIME, INC 10/7/93		
			(Company)	(Company)	(Laboratory)

Special Instructions/Comments: Please analyze samples on regular turn-around. Hold the remaining samples.

DISTRIBUTION: WHITE, CANARY - LABORATORY • PINK, H+GCL

, INC.
TING ANALYTICAL CHEMISTS
4197 Lakeside Dr., Suite 170
Richmond, CA 94806
(510) 222-4815
Fax: 222-4817

TRANSMITTAL

DATE: 10/8/93

TO: Mr. Bill Motzer
HGCL
2200 Powell Street, Ste. 880
Emeryville, CA 94608

Acct#: 100-9240
Your Project: 48016.18

PHONE: 510-547-3886
FAX: 510-547-3631

FROM: Richard A. Kagel, Ph.D. RAK 10/8/93
Laboratory Director

SUBJECT: YOUR PROJECT #48016.18 LABORATORY RESULTS

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	SAMPLE TYPE	DATE	KPI LAB #
DB-1-10.0U	SOIL	9/24/93	3969
DB-1-20.5U	SOIL	9/24/93	3971
DB-1-35.0U	SOIL	9/24/93	3973

These samples were tested in our laboratory for Volatile Organic Compounds by EPA 8240. Please call me if you have any questions or need further information.

Thank you for this opportunity to be of service.

INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-1-10.0U
LAB NO: 3969

SAMPLE TYPE: SOIL
DATE SAMPLED: 9/24/93
TIME SAMPLED: NA
DATE ANALYZED: 9/25/93

UNITS: µg/Kg
% MOISTURE: 6.3

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
CHLOROMETHANE	74-87-3	10	ND
VINYL CHLORIDE	75-01-4	10	ND
BROMOMETHANE	74-83-9	10	ND
CHLOROETHANE	75-00-3	10	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.0	ND
ACETONE	67-64-1	20	ND
1,1-DICHLOROETHENE	75-35-4	5.0	ND
CARBON DISULFIDE	75-15-0	5.0	ND
METHYLENE CHLORIDE	75-09-2	5.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
1,1-DICHLOROETHANE	75-34-3	5.0	ND
VINYL ACETATE	108-05-4	10	ND
CIS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
2-BUTANONE	78-93-3	20	ND
CHLOROFORM	67-66-3	5.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.0	ND
CARBON TETRACHLORIDE	56-23-5	5.0	ND
1,2-DICHLOROETHANE	107-06-2	5.0	ND
BENZENE	71-43-2	5.0	ND
TRICHLOROETHENE	79-01-6	5.0	ND
1,2-DICHLOROPROPANE	78-87-5	5.0	ND
BROMODICHLOROMETHANE	75-27-4	5.0	ND
2-CHLOROETHYLVINYL ETHER	110-75-8	5.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.0	ND
4-METHYL-2-PENTANONE	62-48-39	10	ND
TOLUENE	108-88-3	5.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.0	ND
TETRACHLOROETHENE	127-18-4	5.0	ND

...E, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-1-10.0U
LAB NO: 3969

SAMPLE TYPE: SOIL
DATE SAMPLED: 9/24/93
TIME SAMPLED: NA
DATE ANALYZED: 9/25/93

UNITS: µg/Kg
% MOISTURE: 6.3

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-HEXANONE	59-17-86	10	ND
DIBROMOCHLOROMETHANE	124-48-1	5.0	ND
CHLOROBENZENE	108-90-7	5.0	ND
ETHYLBENZENE	100-41-4	5.0	ND
XYLENE (M+P)	1330-20-7	5.0	ND
XYLENE (O)	1330-20-7	5.0	ND
STYRENE	100-42-5	5.0	ND
BROMOFORM	75-25-2	5.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0	ND
1,3-DICHLOROBENZENE	541-73-1	5.0	ND
1,4-DICHLOROBENZENE	106-46-7	5.0	ND
1,2-DICHLOROBENZENE	95-50-1	5.0	ND

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY: dk
DATE: 10/8/93

APPROVED BY: RAK
DATE: 10/8/93

...TORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-1-20.5U
LAB NO: 3971

SAMPLE TYPE: SOIL
DATE SAMPLED: 9/24/93
TIME SAMPLED: NA
DATE ANALYZED: 9/25/93

UNITS: µg/Kg
% MOISTURE: 15.6

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
CHLOROMETHANE	74-87-3	10	ND
VINYL CHLORIDE	75-01-4	10	ND
BROMOMETHANE	74-83-9	10	ND
CHLOROETHANE	75-00-3	10	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.0	ND
ACETONE	67-64-1	20	ND
1,1-DICHLOROETHENE	75-35-4	5.0	ND
CARBON DISULFIDE	75-15-0	5.0	ND
METHYLENE CHLORIDE	75-09-2	5.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
1,1-DICHLOROETHANE	75-34-3	5.0	ND
VINYL ACETATE	108-05-4	10	ND
CIS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
2-BUTANONE	78-93-3	20	ND
CHLOROFORM	67-66-3	5.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.0	ND
CARBON TETRACHLORIDE	56-23-5	5.0	ND
1,2-DICHLOROETHANE	107-06-2	5.0	ND
BENZENE	71-43-2	5.0	ND
TRICHLOROETHENE	79-01-6	5.0	ND
1,2-DICHLOROPROPANE	78-87-5	5.0	ND
BROMODICHLOROMETHANE	75-27-4	5.0	ND
2-CHLOROETHYLVINYL ETHER	110-75-8	5.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.0	ND
4-METHYL-2-PENTANONE	62-48-39	10	ND
TOLUENE	108-88-3	5.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.0	ND
TETRACHLOROETHENE	127-18-4	5.0	ND

INC.
TORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-1-20.5U
LAB NO: 3971

SAMPLE TYPE: SOIL
DATE SAMPLED: 9/24/93
TIME SAMPLED: NA
DATE ANALYZED: 9/25/93

UNITS: µg/Kg
% MOISTURE: 15.6

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-HEXANONE	59-17-86	10	ND
DIBROMOCHLOROMETHANE	124-48-1	5.0	ND
CHLOROBENZENE	108-90-7	5.0	ND
ETHYLBENZENE	100-41-4	5.0	ND
XYLENE (M+P)	1330-20-7	5.0	ND
XYLENE (O)	1330-20-7	5.0	ND
STYRENE	100-42-5	5.0	ND
BROMOFORM	75-25-2	5.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0	ND
1,3-DICHLOROBENZENE	541-73-1	5.0	ND
1,4-DICHLOROBENZENE	106-46-7	5.0	ND
1,2-DICHLOROBENZENE	95-50-1	5.0	ND

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY: dlk
DATE: 10/8/93

APPROVED BY: BAK
DATE: 10/8/93

PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-1-35.0U
LAB NO: 3973

SAMPLE TYPE: SOIL
DATE SAMPLED: 9/24/93
TIME SAMPLED: NA
DATE ANALYZED: 9/25/93

UNITS: µg/Kg
% MOISTURE: 18.4

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
CHLOROMETHANE	74-87-3	10	ND
VINYL CHLORIDE	75-01-4	10	ND
BROMOMETHANE	74-83-9	10	ND
CHLOROETHANE	75-00-3	10	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.0	ND
ACETONE	67-64-1	20	ND
1,1-DICHLOROETHENE	75-35-4	5.0	ND
CARBON DISULFIDE	75-15-0	5.0	ND
METHYLENE CHLORIDE	75-09-2	5.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
1,1-DICHLOROETHANE	75-34-3	5.0	ND
VINYL ACETATE	108-05-4	10	ND
CIS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
2-BUTANONE	78-93-3	20	ND
CHLOROFORM	67-66-3	5.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.0	ND
CARBON TETRACHLORIDE	56-23-5	5.0	ND
1,2-DICHLOROETHANE	107-06-2	5.0	ND
BENZENE	71-43-2	5.0	ND
TRICHLOROETHENE	79-01-6	5.0	ND
1,2-DICHLOROPROPANE	78-87-5	5.0	ND
BROMODICHLOROMETHANE	75-27-4	5.0	ND
2-CHLOROETHYLVINYL ETHER	110-75-8	5.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.0	ND
4-METHYL-2-PENTANONE	62-48-39	10	ND
TOLUENE	108-88-3	5.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.0	ND
TETRACHLOROETHENE	127-18-4	5.0	ND

INC.
TORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-1-35.0U
LAB NO: 3973

SAMPLE TYPE: SOIL
DATE SAMPLED: 9/24/93
TIME SAMPLED: NA
DATE ANALYZED: 9/25/93

UNITS: µg/Kg
% MOISTURE: 18.4

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-HEXANONE	59-17-86	10	ND
DIBROMOCHLOROMETHANE	124-48-1	5.0	ND
CHLOROBENZENE	108-90-7	5.0	ND
ETHYLBENZENE	100-41-4	5.0	ND
XYLENE (M+P)	1330-20-7	5.0	ND
XYLENE (O)	1330-20-7	5.0	ND
STYRENE	100-42-5	5.0	ND
BROMOFORM	75-25-2	5.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0	ND
1,3-DICHLOROBENZENE	541-73-1	5.0	ND
1,4-DICHLOROBENZENE	106-46-7	5.0	ND
1,2-DICHLOROBENZENE	95-50-1	5.0	ND

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY: ck
DATE: 10/8/93

APPROVED BY: RAK
DATE: 10/18/93

...ME, INC.
...LTING ANALYTICAL CHEMISTS
4197 Lakeside Dr., Suite 170
Richmond, CA 94806
(510) 222-4815
Fax: 222-4817

TRANSMITTAL

DATE: 9/27/93

TO: Mr. Bill Motzer
HGCL
2200 Powell Street, Ste. 880
Emeryville, CA 94608

PHONE: 510-547-3886
FAX: 510-547-3631

Acct#: 100-9240
Your Project: 48016.18

FROM: Richard A. Kagel, Ph.D. RAK 9/27/93
Laboratory Director

SUBJECT: YOUR PROJECT #48016.18 LABORATORY RESULTS

Enclosed please find K Prime's laboratory report for the following sample:

SAMPLE ID	SAMPLE TYPE	DATE	KPI LAB #
DB-1-48.5U	SOIL	9/24/93	3974

This sample was tested in our laboratory for Volatile Organic Compounds by EPA 8240. Please call me if you have any questions or need further information.

Thank you for this opportunity to be of service.

K PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-1-48.5U
LAB NO: 3974

SAMPLE TYPE: SOIL
DATE SAMPLED: 9/24/93
TIME SAMPLED: NA
DATE ANALYZED: 9/25/93

UNITS: µg/Kg
% MOISTURE: 13.9

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
CHLOROMETHANE	74-87-3	10	ND
VINYL CHLORIDE	75-01-4	10	ND
BROMOMETHANE	74-83-9	10	ND
CHLOROETHANE	75-00-3	10	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.0	ND
ACETONE	67-64-1	20	ND
1,1-DICHLOROETHENE	75-35-4	5.0	ND
CARBON DISULFIDE	75-15-0	5.0	ND
METHYLENE CHLORIDE	75-09-2	5.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
1,1-DICHLOROETHANE	75-34-3	5.0	ND
VINYL ACETATE	108-05-4	10	ND
CIS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
2-BUTANONE	78-93-3	20	ND
CHLOROFORM	67-66-3	5.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.0	ND
CARBON TETRACHLORIDE	56-23-5	5.0	ND
1,2-DICHLOROETHANE	107-06-2	5.0	ND
BENZENE	71-43-2	5.0	ND
TRICHLOROETHENE	79-01-6	5.0	ND
1,2-DICHLOROPROPANE	78-87-5	5.0	ND
BROMODICHLOROMETHANE	75-27-4	5.0	ND
2-CHLOROETHYLVINYL ETHER	110-75-8	5.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.0	ND
4-METHYL-2-PENTANONE	62-48-39	10	ND
TOLUENE	108-88-3	5.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.0	ND
TETRACHLOROETHENE	127-18-4	5.0	ND

PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-1-48.5U
LAB NO: 3974

SAMPLE TYPE: SOIL
DATE SAMPLED: 9/24/93
TIME SAMPLED: NA
DATE ANALYZED: 9/25/93

UNITS: µg/Kg
% MOISTURE: 13.9

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-HEXANONE	59-17-86	10	ND
DIBROMOCHLOROMETHANE	124-48-1	5.0	ND
CHLOROBENZENE	108-90-7	5.0	ND
ETHYLBENZENE	100-41-4	5.0	ND
XYLENE (M+P)	1330-20-7	5.0	ND
XYLENE (O)	1330-20-7	5.0	ND
STYRENE	100-42-5	5.0	ND
BROMOFORM	75-25-2	5.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0	ND
1,3-DICHLOROBENZENE	541-73-1	5.0	ND
1,4-DICHLOROBENZENE	106-46-7	5.0	ND
1,2-DICHLOROBENZENE	95-50-1	5.0	ND

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY: JL
DATE: 9/27/93

APPROVED BY: RAK
DATE: 9/27/93

K PRIME, INC.

CONSULTING ANALYTICAL CHEMISTS

4197 Lakeside Dr., Suite 170
Richmond, CA 94806
(510) 222-4815
Fax: 222-4817

TRANSMITTAL

DATE: 10/25/93

TO: Mr. Bill Motzer
HGCL
2200 Powell Street, Ste. 880
Emeryville, CA 94608

PHONE: 510-547-3886
FAX: 510-547-3631

Acct#: 100-9240
Your Project: 48016.18

FROM: Richard A. Kagel, Ph.D. RAK 10/26/93
Laboratory Director

SUBJECT: YOUR PROJECT #48016.18 LABORATORY RESULTS

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	SAMPLE TYPE	DATE	KPI LAB #
9308101400	WATER	10/15/93	4120
9310151030	WATER	10/15/93	4121

These samples were tested in our laboratory for Volatile Organic Compounds by EPA 8240/624. Please call me if you have any questions or need further information.

Thank you for this opportunity to be of service.

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: 9308101400
LAB NO: 4120

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240/624
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE TYPE: WATER
DATE SAMPLED: 10/15/93
TIME SAMPLED: NA
DATE ANALYZED: 10/16/93

UNITS: µg/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
CHLOROMETHANE	74-87-3	10	ND
VINYL CHLORIDE	75-01-4	10	ND
BROMOMETHANE	74-83-9	10	ND
CHLOROETHANE	75-00-3	10	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.0	ND
ACETONE	67-64-1	20	ND
1,1-DICHLOROETHENE	75-35-4	5.0	ND
CARBON DISULFIDE	75-15-0	5.0	ND
METHYLENE CHLORIDE	75-09-2	5.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
1,1-DICHLOROETHANE	75-34-3	5.0	ND
VINYL ACETATE	108-05-4	10	ND
CIS-1,2-DICHLOROETHENE	156-59-2	5.0	ND
2-BUTANONE	78-93-3	20	ND
CHLOROFORM	67-66-3	5.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.0	ND
CARBON TETRACHLORIDE	56-23-5	5.0	ND
1,2-DICHLOROETHANE	107-06-2	5.0	ND
BENZENE	71-43-2	5.0	ND
TRICHLOROETHENE	79-01-6	5.0	ND
1,2-DICHLOROPROPANE	78-87-5	5.0	ND
BROMODICHLOROMETHANE	75-27-4	5.0	ND
2-CHLOROETHYLVINYL ETHER	110-75-8	5.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.0	ND
4-METHYL-2-PENTANONE	108-10-1	10	ND
TOLUENE	108-88-3	5.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.0	ND
TETRACHLOROETHENE	127-18-4	5.0	ND
2-HEXANONE	591-78-6	10	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: 9308101400
LAB NO: 4120

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240/624
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE TYPE: WATER
DATE SAMPLED: 10/15/93
TIME SAMPLED: NA
DATE ANALYZED: 10/16/93

UNITS: µg/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DIBROMOCHLOROMETHANE	124-48-1	5.0	ND
CHLOROBENZENE	108-90-7	5.0	ND
ETHYLBENZENE	100-41-4	5.0	ND
XYLENE (M+P)	1330-20-7	5.0	ND
XYLENE (O)	1330-20-7	5.0	ND
STYRENE	100-42-5	5.0	ND
BROMOFORM	75-25-2	5.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0	ND
1,3-DICHLOROBENZENE	541-73-1	5.0	ND
1,4-DICHLOROBENZENE	106-46-7	5.0	ND
1,2-DICHLOROBENZENE	95-50-1	5.0	ND

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY: dlw
DATE: 10/25/93

APPROVED BY: RMK
DATE: 10/25/93

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: 9310151030
LAB NO: 4121

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240/624
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE TYPE: WATER
DATE SAMPLED: 10/15/93
TIME SAMPLED: 10:30
DATE ANALYZED: 10/16/93

UNITS: µg/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
CHLOROMETHANE	74-87-3	10	ND
VINYL CHLORIDE	75-01-4	10	ND
BROMOMETHANE	74-83-9	10	ND
CHLOROETHANE	75-00-3	10	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.0	ND
ACETONE	67-64-1	20	ND
1,1-DICHLOROETHENE	75-35-4	5.0	ND
CARBON DISULFIDE	75-15-0	5.0	ND
METHYLENE CHLORIDE	75-09-2	5.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
1,1-DICHLOROETHANE	75-34-3	5.0	ND
VINYL ACETATE	108-05-4	10	ND
CIS-1,2-DICHLOROETHENE	156-59-2	5.0	ND
2-BUTANONE	78-93-3	20	ND
CHLOROFORM	67-66-3	5.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.0	ND
CARBON TETRACHLORIDE	56-23-5	5.0	ND
1,2-DICHLOROETHANE	107-06-2	5.0	ND
BENZENE	71-43-2	5.0	ND
TRICHLOROETHENE	79-01-6	5.0	ND
1,2-DICHLOROPROPANE	78-87-5	5.0	ND
BROMODICHLOROMETHANE	75-27-4	5.0	ND
2-CHLOROETHYLVINYL ETHER	110-75-8	5.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.0	ND
4-METHYL-2-PENTANONE	108-10-1	10	ND
TOLUENE	108-88-3	5.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.0	ND
TETRACHLOROETHENE	127-18-4	5.0	ND
2-HEXANONE	591-78-6	10	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: 9310151030
LAB NO: 4121

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240/624
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE TYPE: WATER
DATE SAMPLED: 10/15/93
TIME SAMPLED: 10:30
DATE ANALYZED: 10/16/93

UNITS: µg/L

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
DIBROMOCHLOROMETHANE	124-48-1	5.0	ND
CHLOROBENZENE	108-90-7	5.0	ND
ETHYLBENZENE	100-41-4	5.0	ND
XYLENE (M+P)	1330-20-7	5.0	ND
XYLENE (O)	1330-20-7	5.0	ND
STYRENE	100-42-5	5.0	ND
BROMOFORM	75-25-2	5.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0	ND
1,3-DICHLOROBENZENE	541-73-1	5.0	ND
1,4-DICHLOROBENZENE	106-46-7	5.0	ND
1,2-DICHLOROBENZENE	95-50-1	5.0	ND

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY: _____
DATE: 10/25/93

APPROVED BY: RMK
DATE: 10/25/93

K PRIME, INC.

CONSULTING ANALYTICAL CHEMISTS

4197 Lakeside Dr., Suite 170
Richmond, CA 94806
(510) 222-4815
Fax: 222-4817

TRANSMITTAL

DATE: 10/10/93

TO: Mr. Bill Motzer
HGCL
2200 Powell Street, Ste. 880
Emeryville, CA 94608

PHONE: 510-547-3886
FAX: 510-547-3631

Acct#: 100-9240
Your Project: 48016.18

FROM: Richard A. Kagel, Ph.D. RAK 10/10/93
Laboratory Director

SUBJECT: YOUR PROJECT #48016.18 LABORATORY RESULTS

Enclosed please find K Prime's laboratory report for the following sample:

SAMPLE ID	SAMPLE TYPE	DATE	KPI LAB #
9310070830	SOIL	10/7/93	4046
9310070900	SOIL	10/7/93	4048

These samples were tested in our laboratory for Volatile Organic Compounds by EPA 8240. This batch also had two soil samples for STLC CAM Metals and RCI which are being tested at our sub-contract laboratory. We will fax you those results as soon as they are available. Please call me if you have any questions or need further information.

Thank you for this opportunity to be of service.

K PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: 9310070830
LAB NO: 4046

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: 8:30
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 11.1

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
CHLOROMETHANE	74-87-3	10	ND
VINYL CHLORIDE	75-01-4	10	ND
BROMOMETHANE	74-83-9	10	ND
CHLOROETHANE	75-00-3	10	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.0	ND
ACETONE	67-64-1	20	ND
1,1-DICHLOROETHENE	75-35-4	5.0	ND
CARBON DISULFIDE	75-15-0	5.0	ND
METHYLENE CHLORIDE	75-09-2	5.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
1,1-DICHLOROETHANE	75-34-3	5.0	ND
VINYL ACETATE	108-05-4	10	ND
CIS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
2-BUTANONE	78-93-3	20	ND
CHLOROFORM	67-66-3	5.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.0	ND
CARBON TETRACHLORIDE	56-23-5	5.0	ND
1,2-DICHLOROETHANE	107-06-2	5.0	ND
BENZENE	71-43-2	5.0	ND
TRICHLOROETHENE	79-01-6	5.0	ND
1,2-DICHLOROPROPANE	78-87-5	5.0	ND
BROMODICHLOROMETHANE	75-27-4	5.0	ND
2-CHLOROETHYLVINYL ETHER	110-75-8	5.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.0	ND
4-METHYL-2-PENTANONE	62-48-39	10	ND
TOLUENE	108-88-3	5.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.0	ND
TETRACHLOROETHENE	127-18-4	5.0	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: 9310070830
LAB NO: 4046

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: 8:30
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 11.1

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-HEXANONE	59-17-86	10	ND
DIBROMOCHLOROMETHANE	124-48-1	5.0	ND
CHLOROBENZENE	108-90-7	5.0	ND
ETHYLBENZENE	100-41-4	5.0	ND
XYLENE (M+P)	1330-20-7	5.0	ND
XYLENE (O)	1330-20-7	5.0	ND
STYRENE	100-42-5	5.0	ND
BROMOFORM	75-25-2	5.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0	ND
1,3-DICHLOROBENZENE	541-73-1	5.0	ND
1,4-DICHLOROBENZENE	106-46-7	5.0	ND
1,2-DICHLOROBENZENE	95-50-1	5.0	ND

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY: dk
DATE: 10/10/93

APPROVED BY: RAK
DATE: 10/10/93

K PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: 9310070900
LAB NO: 4048

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: 9:00
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 15.1

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
CHLOROMETHANE	74-87-3	10	ND
VINYL CHLORIDE	75-01-4	10	ND
BROMOMETHANE	74-83-9	10	ND
CHLOROETHANE	75-00-3	10	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.0	ND
ACETONE	67-64-1	20	ND
1,1-DICHLOROETHENE	75-35-4	5.0	ND
CARBON DISULFIDE	75-15-0	5.0	ND
METHYLENE CHLORIDE	75-09-2	5.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
1,1-DICHLOROETHANE	75-34-3	5.0	ND
VINYL ACETATE	108-05-4	10	ND
CIS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
2-BUTANONE	78-93-3	20	ND
CHLOROFORM	67-66-3	5.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.0	ND
CARBON TETRACHLORIDE	56-23-5	5.0	ND
1,2-DICHLOROETHANE	107-06-2	5.0	ND
BENZENE	71-43-2	5.0	ND
TRICHLOROETHENE	79-01-6	5.0	ND
1,2-DICHLOROPROPANE	78-87-5	5.0	ND
BROMODICHLOROMETHANE	75-27-4	5.0	ND
2-CHLOROETHYLVINYL ETHER	110-75-8	5.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.0	ND
4-METHYL-2-PENTANONE	62-48-39	10	ND
TOLUENE	108-88-3	5.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.0	ND
TETRACHLOROETHENE	127-18-4	5.0	ND

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: 9310070900
LAB NO: 4048

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: 9:00
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 15.1

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-HEXANONE	59-17-86	10	ND
DIBROMOCHLOROMETHANE	124-48-1	5.0	ND
CHLOROBENZENE	108-90-7	5.0	ND
ETHYLBENZENE	100-41-4	5.0	ND
XYLENE (M+P)	1330-20-7	5.0	ND
XYLENE (O)	1330-20-7	5.0	ND
STYRENE	100-42-5	5.0	ND
BROMOFORM	75-25-2	5.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0	ND
1,3-DICHLOROBENZENE	541-73-1	5.0	ND
1,4-DICHLOROBENZENE	106-46-7	5.0	ND
1,2-DICHLOROBENZENE	95-50-1	5.0	ND

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY: [signature]
DATE: 10/10/93

APPROVED BY: RAC
DATE: 10/10/93

K PRIME, INC.

CONSULTING ANALYTICAL CHEMISTS

4197 Lakeside Dr., Suite 170
Richmond, CA 94806
(510) 222-4815
Fax: 222-4817

TRANSMITTAL

DATE: 10/15/93

TO: Mr. Bill Motzer
HGCL
2200 Powell Street, Ste. 880
Emeryville, CA 94608

PHONE: 510-547-3886
FAX: 510-547-3631

Acct#: 100-9240
Your Project: 48016.18

FROM: Richard A. Kagel, Ph.D. RAK 10/15/93
Laboratory Director

SUBJECT: YOUR PROJECT #48016.18 LABORATORY RESULTS

Enclosed please find K Prime's laboratory report for the following sample:

SAMPLE ID	SAMPLE TYPE	DATE	KPI LAB #
9310070840	SOIL	10/7/93	4047
9310070910	SOIL	10/7/93	4049

These samples were tested for STLC CAM Metals, Reactivity, Ignitability, and pH by our sub-contract laboratory. Please call me if you have any questions or need further information.

Thank you for this opportunity to be of service.

K PRIME, INC.
LABORATORY REPORT

OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: 9310070840
LAB NO: 4047

SAMPLE TYPE: WET LEACHATE
DATE SAMPLED: 10/7/93
TIME SAMPLED: 8:40

METHOD: STLC CA TITLE 26 METALS

UNITS: µG/L

COMPOUND NAME	REFERENCE METHOD	ANALYSIS DATE	REPORTING LIMIT	SAMPLE CONC
ANTIMONY	EPA 6010	10/14/93	300	ND
ARSENIC	EPA 7060	10/14/93	25	130
BARIUM	EPA 6010	10/14/93	50	7100
BERYLLIUM	EPA 6010	10/14/93	10	ND
CADMIUM	EPA 6010	10/14/93	25	ND
CHROMIUM (TOTAL)	EPA 6010	10/14/93	50	280
COBALT	EPA 6010	10/14/93	90	700
COPPER	EPA 6010	10/14/93	50	380
LEAD	EPA 6010	10/14/93	1300	ND
MERCURY	EPA 7470	10/14/93	2.0	ND
MOLYBDENUM	EPA 6010	10/14/93	70	ND
NICKEL	EPA 6010	10/14/93	160	1800
SELENIUM	EPA 7740	10/14/93	25	ND
SILVER	EPA 6010	10/14/93	50	ND
THALLIUM	EPA 6010	10/14/93	2600	ND
VANADIUM	EPA 6010	10/14/93	50	160
ZINC	EPA 6010	10/14/93	100	370

NOTES:
ND - NOT DETECTED AT STATED REPORTING LIMIT

PREPARED BY: PAB
DATE: 10/15/93

APPROVED BY: [signature]
DATE: 10/15/93

K PRIME, INC.
LABORATORY REPORT

OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: 9310070910
LAB NO: 4049

SAMPLE TYPE: WET LEACHATE
DATE SAMPLED: 10/7/93
TIME SAMPLED: 9:10

METHOD: STLC CA TITLE 26 METALS

UNITS: µG/L

COMPOUND NAME	REFERENCE METHOD	ANALYSIS DATE	REPORTING LIMIT	SAMPLE CONC
ANTIMONY	EPA 6010	10/14/93	300	ND
ARSENIC	EPA 7060	10/14/93	25	ND
BARIUM	EPA 6010	10/14/93	50	5300
BERYLLIUM	EPA 6010	10/14/93	10	ND
CADMIUM	EPA 6010	10/14/93	25	ND
CHROMIUM (TOTAL)	EPA 6010	10/14/93	50	450
COBALT	EPA 6010	10/14/93	90	740
COPPER	EPA 6010	10/14/93	50	490
LEAD	EPA 6010	10/14/93	1300	ND
MERCURY	EPA 7470	10/14/93	2.0	ND
MOLYBDENUM	EPA 6010	10/14/93	70	ND
NICKEL	EPA 6010	10/14/93	160	1500
SELENIUM	EPA 7740	10/14/93	25	ND
SILVER	EPA 6010	10/14/93	50	ND
THALLIUM	EPA 6010	10/14/93	2600	ND
VANADIUM	EPA 6010	10/14/93	50	150
ZINC	EPA 6010	10/14/93	100	310

NOTES:
ND - NOT DETECTED AT STATED REPORTING LIMIT

PREPARED BY: PAB
DATE: 10/15/93

APPROVED BY: CL
DATE: 10/15/93

K PRIME, INC.
LABORATORY REPORT

OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: 9310070840
LAB NO: 4047

SAMPLE TYPE: WET LEACHATE
DATE SAMPLED: 10/7/93
TIME SAMPLED: 8:40

METHOD: REACTIVITY/ IGNITABILITY

UNITS: MG/KG

PARAMETER: REF: SW-846	REFERENCE METHOD	ANALYSIS DATE	REPORTING LIMIT	SAMPLE RESULTS
RELEASABLE CYANIDE	SECT. 7.3.3.2	10/11/93	1	ND
RELEASABLE SULFIDE	SECT. 7.3.4.1	10/11/93	1	ND
IGNITABILITY	SECT. 7.1	10/11/93		DOES NOT IGNITE

NOTES:
ND - NOT DETECTED AT STATED REPORTING LIMIT

PREPARED BY: PAB
DATE: 10/15/93

APPROVED BY: dw
DATE: 10/15/93

K PRIME, INC.
LABORATORY REPORT

SAMPLE ID: 9310070910
LAB NO: 4049

OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE TYPE: WET LEACHATE
DATE SAMPLED: 10/7/93
TIME SAMPLED: 9:10

METHOD: REACTIVITY/ IGNITABILITY

UNITS: MG/KG

PARAMETER: REF: SW-846	REFERENCE METHOD	ANALYSIS DATE	REPORTING LIMIT	SAMPLE RESULTS
RELEASABLE CYANIDE	SECT. 7.3.3.2	10/11/93	1	ND
RELEASABLE SULFIDE	SECT. 7.3.4.1	10/11/93	1	ND
IGNITABILITY	SECT. 7.1	10/11/93		DOES NOT IGNITE

NOTES:
ND - NOT DETECTED AT STATED REPORTING LIMIT

PREPARED BY: PAB
DATE: 10/15/93

APPROVED BY: JK
DATE: 10/15/93

K PRIME, INC.
LABORATORY REPORT

OUR PROJECT: 9240
YOUR PROJECT: 48016.18
METHOD: pH
METHOD REF: EPA 9045

SAMPLE ID	SAMPLE TYPE	LAB #	DATE SAMPLED	DATE ANALYZED	pH*	NOTES
9310070840	SOIL	4047	10/7/93	10/14/93	8.2	
9310070910	SOIL	4049	10/7/93	10/14/93	7.7	

NOTES:

*SOIL PH MEASURED AS WATER.

PREPARED BY: PAB
DATE: 10/15/93

APPROVED BY: [signature]
DATE: 10/15/93

K PRIME, INC.

CONSULTING ANALYTICAL CHEMISTS

4197 Lakeside Dr., Suite 170
Richmond, CA 94806
(510) 222-4815
Fax: 222-4817

TRANSMITTAL

DATE: 10/15/93

TO: Mr. Bill Motzer
HGCL
2200 Powell Street, Ste. 880
Emeryville, CA 94608

PHONE: 510-547-3886
FAX: 510-547-3631

Acct#: 100-9240
Your Project: 48016.18

FROM: Richard A. Kagel, Ph.D. RAK 10/15/93
Laboratory Director

SUBJECT: YOUR PROJECT #48016.18 LABORATORY RESULTS

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	SAMPLE TYPE	DATE	KPI LAB #
DB-1-50.0S	SOIL	10/7/93	4050
DB-1-62.0S	SOIL	10/7/93	4052
DB-2-30.0U	SOIL	10/7/93	4054
DB-2-50.0U	SOIL	10/7/93	4056
DB-2-20.5U	SOIL	10/7/93	4058

These samples were tested in our laboratory for Volatile Organic Compounds by EPA 8240. Please call me if you have any questions or need further information.

Thank you for this opportunity to be of service.

K PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-1-50.0S
LAB NO: 4050

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: NA
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 8.63

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
CHLOROMETHANE	74-87-3	10	ND
VINYL CHLORIDE	75-01-4	10	ND
BROMOMETHANE	74-83-9	10	ND
CHLOROETHANE	75-00-3	10	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.0	ND
ACETONE	67-64-1	20	ND
1,1-DICHLOROETHENE	75-35-4	5.0	ND
CARBON DISULFIDE	75-15-0	5.0	ND
METHYLENE CHLORIDE	75-09-2	5.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
1,1-DICHLOROETHANE	75-34-3	5.0	ND
VINYL ACETATE	108-05-4	10	ND
CIS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
2-BUTANONE	78-93-3	20	ND
CHLOROFORM	67-66-3	5.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.0	ND
CARBON TETRACHLORIDE	56-23-5	5.0	ND
1,2-DICHLOROETHANE	107-06-2	5.0	ND
BENZENE	71-43-2	5.0	ND
TRICHLOROETHENE	79-01-6	5.0	ND
1,2-DICHLOROPROPANE	78-87-5	5.0	ND
BROMODICHLOROMETHANE	75-27-4	5.0	ND
2-CHLOROETHYLVINYL ETHER	110-75-8	5.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.0	ND
4-METHYL-2-PENTANONE	62-48-39	10	ND
TOLUENE	108-88-3	5.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.0	ND
TETRACHLOROETHENE	127-18-4	5.0	ND

K PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-1-50.0S
LAB NO: 4050

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: NA
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 8.63

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-HEXANONE	59-17-86	10	ND
DIBROMOCHLOROMETHANE	124-48-1	5.0	ND
CHLOROBENZENE	108-90-7	5.0	ND
ETHYLBENZENE	100-41-4	5.0	ND
XYLENE (M+P)	1330-20-7	5.0	ND
XYLENE (O)	1330-20-7	5.0	ND
STYRENE	100-42-5	5.0	ND
BROMOFORM	75-25-2	5.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0	ND
1,3-DICHLOROBENZENE	541-73-1	5.0	ND
1,4-DICHLOROBENZENE	106-46-7	5.0	ND
1,2-DICHLOROBENZENE	95-50-1	5.0	ND

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY: [signature]
DATE: 10/10/93

APPROVED BY: BAK
DATE: 10/15/93

K PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-1-62.0S
LAB NO: 4052

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: NA
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 10.2

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
CHLOROMETHANE	74-87-3	10	ND
VINYL CHLORIDE	75-01-4	10	ND
BROMOMETHANE	74-83-9	10	ND
CHLOROETHANE	75-00-3	10	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.0	ND
ACETONE	67-64-1	20	ND
1,1-DICHLOROETHENE	75-35-4	5.0	ND
CARBON DISULFIDE	75-15-0	5.0	ND
METHYLENE CHLORIDE	75-09-2	5.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
1,1-DICHLOROETHANE	75-34-3	5.0	ND
VINYL ACETATE	108-05-4	10	ND
CIS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
2-BUTANONE	78-93-3	20	ND
CHLOROFORM	67-66-3	5.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.0	ND
CARBON TETRACHLORIDE	56-23-5	5.0	ND
1,2-DICHLOROETHANE	107-06-2	5.0	ND
BENZENE	71-43-2	5.0	ND
TRICHLOROETHENE	79-01-6	5.0	ND
1,2-DICHLOROPROPANE	78-87-5	5.0	ND
BROMODICHLOROMETHANE	75-27-4	5.0	ND
2-CHLOROETHYLVINYL ETHER	110-75-8	5.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.0	ND
4-METHYL-2-PENTANONE	62-48-39	10	ND
TOLUENE	108-88-3	5.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.0	ND
TETRACHLOROETHENE	127-18-4	5.0	ND

K PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-1-62.0S
LAB NO: 4052

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: NA
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 10.2

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-HEXANONE	59-17-86	10	ND
DIBROMOCHLOROMETHANE	124-48-1	5.0	ND
CHLOROBENZENE	108-90-7	5.0	ND
ETHYLBENZENE	100-41-4	5.0	ND
XYLENE (M+P)	1330-20-7	5.0	ND
XYLENE (O)	1330-20-7	5.0	ND
STYRENE	100-42-5	5.0	ND
BROMOFORM	75-25-2	5.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0	ND
1,3-DICHLOROBENZENE	541-73-1	5.0	ND
1,4-DICHLOROBENZENE	106-46-7	5.0	ND
1,2-DICHLOROBENZENE	95-50-1	5.0	ND

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY: CK
DATE: 10/10/93

APPROVED BY: RAK
DATE: 10/15/93

K PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-2-30.0U
LAB NO: 4054

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: NA
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 11.9

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
CHLOROMETHANE	74-87-3	10	ND
VINYL CHLORIDE	75-01-4	10	ND
BROMOMETHANE	74-83-9	10	ND
CHLOROETHANE	75-00-3	10	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.0	ND
ACETONE	67-64-1	20	ND
1,1-DICHLOROETHENE	75-35-4	5.0	ND
CARBON DISULFIDE	75-15-0	5.0	ND
METHYLENE CHLORIDE	75-09-2	5.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
1,1-DICHLOROETHANE	75-34-3	5.0	ND
VINYL ACETATE	108-05-4	10	ND
CIS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
2-BUTANONE	78-93-3	20	ND
CHLOROFORM	67-66-3	5.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.0	ND
CARBON TETRACHLORIDE	56-23-5	5.0	ND
1,2-DICHLOROETHANE	107-06-2	5.0	ND
BENZENE	71-43-2	5.0	ND
TRICHLOROETHENE	79-01-6	5.0	ND
1,2-DICHLOROPROPANE	78-87-5	5.0	ND
BROMODICHLOROMETHANE	75-27-4	5.0	ND
2-CHLOROETHYLVINYL ETHER	110-75-8	5.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.0	ND
4-METHYL-2-PENTANONE	62-48-39	10	ND
TOLUENE	108-88-3	5.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.0	ND
TETRACHLOROETHENE	127-18-4	5.0	ND

K PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-2-30.0U
LAB NO: 4054

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: NA
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 11.9

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-HEXANONE	59-17-86	10	ND
DIBROMOCHLOROMETHANE	124-48-1	5.0	ND
CHLOROBENZENE	108-90-7	5.0	ND
ETHYLBENZENE	100-41-4	5.0	ND
XYLENE (M+P)	1330-20-7	5.0	ND
XYLENE (O)	1330-20-7	5.0	ND
STYRENE	100-42-5	5.0	ND
BROMOFORM	75-25-2	5.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0	ND
1,3-DICHLOROBENZENE	541-73-1	5.0	ND
1,4-DICHLOROBENZENE	106-46-7	5.0	ND
1,2-DICHLOROBENZENE	95-50-1	5.0	ND

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY: JK
DATE: 10/10/93

APPROVED BY: RAK
DATE: 10/15/93

K PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-2-50.0U
LAB NO: 4056

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: NA
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 6.75

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
CHLOROMETHANE	74-87-3	10	ND
VINYL CHLORIDE	75-01-4	10	ND
BROMOMETHANE	74-83-9	10	ND
CHLOROETHANE	75-00-3	10	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.0	ND
ACETONE	67-64-1	20	ND
1,1-DICHLOROETHENE	75-35-4	5.0	ND
CARBON DISULFIDE	75-15-0	5.0	ND
METHYLENE CHLORIDE	75-09-2	5.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
1,1-DICHLOROETHANE	75-34-3	5.0	ND
VINYL ACETATE	108-05-4	10	ND
CIS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
2-BUTANONE	78-93-3	20	ND
CHLOROFORM	67-66-3	5.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.0	ND
CARBON TETRACHLORIDE	56-23-5	5.0	ND
1,2-DICHLOROETHANE	107-06-2	5.0	ND
BENZENE	71-43-2	5.0	ND
TRICHLOROETHENE	79-01-6	5.0	ND
1,2-DICHLOROPROPANE	78-87-5	5.0	ND
BROMODICHLOROMETHANE	75-27-4	5.0	ND
2-CHLOROETHYLVINYL ETHER	110-75-8	5.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.0	ND
4-METHYL-2-PENTANONE	62-48-39	10	ND
TOLUENE	108-88-3	5.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.0	ND
TETRACHLOROETHENE	127-18-4	5.0	ND

K PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-2-50.0U
LAB NO: 4056

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: NA
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 6.75

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-HEXANONE	59-17-86	10	ND
DIBROMOCHLOROMETHANE	124-48-1	5.0	ND
CHLOROBENZENE	108-90-7	5.0	ND
ETHYLBENZENE	100-41-4	5.0	ND
XYLENE (M+P)	1330-20-7	5.0	ND
XYLENE (O)	1330-20-7	5.0	ND
STYRENE	100-42-5	5.0	ND
BROMOFORM	75-25-2	5.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0	ND
1,3-DICHLOROBENZENE	541-73-1	5.0	ND
1,4-DICHLOROBENZENE	106-46-7	5.0	ND
1,2-DICHLOROBENZENE	95-50-1	5.0	ND

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY: CK
DATE: 10/10/93

APPROVED BY: RAK
DATE: 10/15/93

K PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-2-20.5U
LAB NO: 4058

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: NA
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 10.6

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
CHLOROMETHANE	74-87-3	10	ND
VINYL CHLORIDE	75-01-4	10	ND
BROMOMETHANE	74-83-9	10	ND
CHLOROETHANE	75-00-3	10	ND
TRICHLOROFLUOROMETHANE	75-69-4	5.0	ND
TRICHLOROTRIFLUOROETHANE	76-13-1	5.0	ND
ACETONE	67-64-1	20	ND
1,1-DICHLOROETHENE	75-35-4	5.0	ND
CARBON DISULFIDE	75-15-0	5.0	ND
METHYLENE CHLORIDE	75-09-2	5.0	ND
TRANS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
1,1-DICHLOROETHANE	75-34-3	5.0	ND
VINYL ACETATE	108-05-4	10	ND
CIS-1,2-DICHLOROETHENE	156-60-5	5.0	ND
2-BUTANONE	78-93-3	20	ND
CHLOROFORM	67-66-3	5.0	ND
1,1,1-TRICHLOROETHANE	71-55-6	5.0	ND
CARBON TETRACHLORIDE	56-23-5	5.0	ND
1,2-DICHLOROETHANE	107-06-2	5.0	ND
BENZENE	71-43-2	5.0	ND
TRICHLOROETHENE	79-01-6	5.0	ND
1,2-DICHLOROPROPANE	78-87-5	5.0	ND
BROMODICHLOROMETHANE	75-27-4	5.0	ND
2-CHLOROETHYLVINYL ETHER	110-75-8	5.0	ND
TRANS-1,3-DICHLOROPROPENE	10061-02-6	5.0	ND
4-METHYL-2-PENTANONE	62-48-39	10	ND
TOLUENE	108-88-3	5.0	ND
CIS-1,3-DICHLOROPROPENE	10061-01-5	5.0	ND
1,1,2-TRICHLOROETHANE	79-00-5	5.0	ND
TETRACHLOROETHENE	127-18-4	5.0	ND

K PRIME, INC.
LABORATORY REPORT

METHOD: VOLATILE ORGANIC COMPOUNDS
REFERENCE: EPA 8240
OUR PROJECT: 9240
YOUR PROJECT: 48016.18

SAMPLE ID: DB-2-20.5U
LAB NO: 4058

SAMPLE TYPE: SOIL
DATE SAMPLED: 10/7/93
TIME SAMPLED: NA
DATE ANALYZED: 10/8/93

UNITS: µg/Kg
% MOISTURE: 10.6

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
2-HEXANONE	59-17-86	10	ND
DIBROMOCHLOROMETHANE	124-48-1	5.0	ND
CHLOROBENZENE	108-90-7	5.0	ND
ETHYLBENZENE	100-41-4	5.0	ND
XYLENE (M+P)	1330-20-7	5.0	ND
XYLENE (O)	1330-20-7	5.0	ND
STYRENE	100-42-5	5.0	ND
BROMOFORM	75-25-2	5.0	ND
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0	ND
1,3-DICHLOROBENZENE	541-73-1	5.0	ND
1,4-DICHLOROBENZENE	106-46-7	5.0	ND
1,2-DICHLOROBENZENE	95-50-1	5.0	ND

NOTES:
ND - NOT DETECTED ABOVE THE STATED REPORTING LIMIT

PREPARED BY: ck
DATE: 10/10/93

APPROVED BY: KAK
DATE: 10/15/93