

June 6, 1994

Alameda County Health Care Services Agency Department of Environmental Health 80 Swan Way, Room 200 Oakland, CA 94621 Attn: Ms. Juliet Shin

Hazardous Materials Specialist

SUBJECT: SUBMITTAL OF SITE INVESTIGATION INFORMATION, WEYERHAEUSER ALAMEDA FACILITY, 1801 HIBBARD STR., STID 1202

Dear Ms. Shin,

West & Associates Environmental Engineers, Inc. respect submits the information you requested regarding our recent site investigation at the Weyerhaeuser Paper Company facility in Alameda. Included in this submittal is:

- 1. Boring logs
- 2. Site diagram showing proposed new boring locations
- 3. Soil and groundwater analytical data

Should you require any additional data please contact me at (707) 451-1360.

Yours truly,

Brian W. West PE

Brian W. West

Principal

West & Associates Environmental Engineers, Inc.

BWW/es

cc: Jennifer Strachan, Weyerhaeuser Office of the Environment, Tacoma



WEYERHAEUSER ALAMEDA

SUPPLEMENTAL INVESTIGATION WORKPLAN

ADDENDUM

SECTION 1

BORING LOGS

SECTION 2

PROPOSED BORING LOCATIONS

SECTION 3

SOIL ANALYTICAL RESULTS (Summary tables on yellow sheets)

SECTION 4

GROUNDWATER ANALYTICAL RESULTS (Summary tables on yellow sheets)

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WE:	ST	<u>& </u>	ASSOCIATES	<u>ENVIRONI</u>	<u>MENTAL ENGINE</u>	ERS, INC.
	····			5891, Vacavill		
Project: Wey	erha	aeus	ser Paper Cor	npany, Alame		Job No.: 70632.20
Boring Design			ard Str., Ala			Date: March, 1994
Logged by: F		1011.	B-1		Driller: Exploration	Geoservices
Boring Loca	tion:	Eas	st of Wax Tan	ık	Base: San Jose Drill Equipment: M	obile B-51
Soils Classif	ficat	ion	System: USCS		Diameter & Type We	
			TUBE - SPLIT	SPOON	8" Hollow stem au	
Soil Matrix:	YES				Elevation & Datum:	ND
Date Starte				d: 1-11-94	Completion Depth: 1	
Number of	Sam	ples	s: 3		Depth to Groundwa	ter: 9.5 feet BGS
Depth (feet)	Date Time	Sample Number	Lithology	0bs	ervations	Well Construction
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WEST & A	ASSOCIATES	ENVIRON	MENTAL ENGINE	EERS, INC.			
	PO Box	5891, Vacavil	le CA 95696				
Project: Weyerhaeus			eda	Job No.: 70632.20			
Location: 1801 Hibb		meda 94501					
Boring Designation:	B-2		Driller: Exploration	Geoservices			
Logged by: BWW			Base: San Jose				
Boring Location: Wes	st of propane	tank	Drill Equipment: M	lobile B-51			
Soils Classification			Diameter & Type Well Casing:				
Sample type: BRASS	TUBE - SPLIT	SPOON	8" Hollow stem a	uger			
Soil Matrix: YES			Elevation & Datum	: ND			
Date Started: 1-11-	-94 Finishe	d: 1-11-94	Completion Depth:	10.5 feet			
Number of Samples	: 4		Depth to Groundwa	ter: NE			
Manber Carte Depth Carte Namber Carte Depth Carte Dept	Lithology	Obs	ervations	Well Construction			
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o 11:15	Asphalt						
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	SM	Sandy loam,	dry, uncohesive				
	CL	Sandy with	clay stringers	ii			
5 1	BC 7/8/22		odor or staining	!!!			
	BC 23/29/40	Light grey of	clay stringers				
	<u> </u>	ingressing	clay - clean, no o	dor			
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					5891, Vacavil		
				er Paper Con		eda	Job No.: 70632.20
				ard Str., Alai	meda 94501		Date: March, 1994
	Boring Design Logged by: I		ion:	B-3		Driller: Exploration	Geoservices
ı			: No	rth or forme	r mas tanks	Base: San Jose Drill Equipment: M	obilo P-51
	Soils Classif	ficat	ion	System: USCS	gas tanks	Diameter & Type We	
	Sample type	e: BR	ASS	TUBE - SPLIT	SPOON	8" Hollow stem au	iger
	Soil Matrix:	YES				Elevation & Datum:	
	Date Starte				d: 1-11-94	Completion Depth:	
	Number of	ter: NE					
	Depth (feet)	Date Time	Sample Number	Lithology	Obs	ervations	Well Construction
		1-11	D3_				
	0	1:30	B3-	. Asphalt			
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						odor or staining	
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	1	2.30	EOB			dor or staining and dry @ 12'	1 1
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WEST & ASSOCIA	ATES ENVIRON	MENTAL ENGINE	ERS, INC.			
Pe	<u> Dox 5891, Vacavi</u>	lle CA 95696				
Project: Weyerhaeuser Pape	r Company, Alam	eda	Job No.: 70632.20			
Location: 1801 Hibbard Str.	, Alameda 9450	1	Date: March, 1994			
Boring Designation: B-4		Driller: Exploration	Geoservices			
Logged by: BWW		Base: San Jose				
Boring Location: Next to ma	ain building	Drill Equipment: M	obile B-51			
Soils Classification System:		_ Diameter & Type W				
Sample type: BRASS TUBE - S	SPLIT SPOON	6" solid stem aug				
Soil Matrix: YES		Elevation & Datum:				
Date Started: 1-13-94 Fi	nished: 1-13-94	Completion Depth:				
Number of Samples: 1		Depth to Groundwa	ter: 10 feet BGS			
Depth care a Litholo	gy Obs	servations	Well Construction			
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0 9:30 Concre	ete					
T CL	Sandy with	clay stringers				
		5 0				
5 _ 1 BC 12/2	Obviously o	contaminated soil	1 !			
5 1 BC 12/2	24/33 beginning :	at 3.5 feet BGS n PID	1.			
	Well graded					
+ CL	gas contamination	i i				
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WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC. PO Box 5591, Vacaville CA 95696 Project: Weyerhaeuser Paper Company, Alameda Job No.: 70632.20 Location: 1801 Hibbard Str., Alameda 94501 Date: March, 1994 Boring Designation: B-5 Driller: Exploration Geoservices Logged by: Bww Base: San Jose Boring Location: Next to wax tank Drill Equipment: Mobile B-51 Soils Classification System: USCS Diameter & Type Well Casing: Sample type: BRASS TUBE - SPLIT SPOON 6' solid stem auger Soil Matrix: YES Elevation & Datum: ND Date Started: 1-13-94 Finished: 1-13-94 Completion Depth: 7 feet BCS Number of Samples: None Depth to Groundwater: NE Depth (feet) 1-3	ſ										
Project: Weyerhaeuser Paper Company, Alameda Job No.: 70832.20		WES	ST	& <i>E</i>				ERS, INC.			
Decision Holbard Str., Alameda 94501 Date: March, 1994	ŀ	D 1 . 397						I-1 N 2000 00			
Boring Designation: B-5)										
Base: San Jose	ŀ					meda 94501					
Boring Location: Next to wax tank Soils Classification System: USCS Diameter & Type Well Casing: Sample type: BRASS TUBE - SPLIT SPOON 6" solid stem auger Soil Matrix: YES Elevation & Datum: ND	ŀ			1011:	R-2			Geoservices	—		
Soils Classification System: USCS Diameter & Type Well Casing:	ł			· No.	-t to man tar	.1.		chile D 51			
Sample type: BRASS TUBE - SPLIT SPOON 6" solid stem auger Soil Matrix: YES Elevation & Datum: ND Date Started: 1-13-94 Finished: 1-13-94 Completion Depth: 7 feet BGS Number of Samples: None Depth to Groundwater: NE Depth	ŀ					1K					
Soil Matrix: YES	1					SPOON					
Date Started: 1-13-94 Finished: 1-13-94 Completion Depth: 7 feet BGS	ŀ			AUU	TOBE OF BIT			_			
Number of Samples: None Depth to Groundwater: NE	ŀ										
Depth (feet) Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Seco	H	Soil Matrix: YES Date Started: 1-13-94 Finished: 1-13-94 Completion Depth: 7 feet BGS Number of Samples: None Depth Get Signature: NE Depth Get Signature: NE Units In 13									
1-13 0	ŀ	Depth (feet) 그 및 한 보다 Lithology Observations Well Construction									
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CL Sandy with clay stringers Obviously contaminated soil beginning at 3.5 feet BGS – ends at 5.5 feet BGS Well graded sand 10	1		1-13			`					
Obviously contaminated soil beginning at 3.5 feet BGS – ends at 5.5 feet BGS well graded sand		0	10:15		Asphalt						
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WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC. PO Box 5891, Vacaville CA 95696 Project: Weyerhaeuser Paper Company, Alameda Job No.: 70632.20 Location: 1801 Hibbard Str., Alameda 94501 Date: March, 1994 Boring Designation: B-MWB Driller: Exploration Geoservices Logged by: BWW Base: San Jose Boring Location: Next to stairs Drill Equipment: Mobile B-51 Soils Classification System: USCS Diameter & Type Well Casing: Sample Uppe: BRASS TUBE - SPLIT SPOON 12* Hollow storm auger Soil Matrix: YES Date Started: 1-13-94 Finished: 1-13-94 Completion Depth: 9 feet BGS Number of Samples: 3 Depth to Groundwater: NE Depth (feet) Self Rescourse Basecourse CL Sandy with clay stringers 1 BC 9/10/21 BC 18/26/400 and color: 6' - 9 ' BGS 1 BC 9/10/21 BC 18/26/400 Hole dry @ 9' BGS 15 BC 13/25/33 1.2 PPM on PID 10 9:15 EOB Hole dry @ 9' BGS 15 BC 13/25/33 Hole dry @ 9' BGS						***************************************		
Project: Weyerhaeuser Paper Company, Alameda Job No.: 70832.20		WES	ST	& A	ASSOCIATES	ENVIRON	MENTAL ENGINE	ERS, INC.
Location: 1801 Hibbard Str., Alameda 94501 Date: March, 1994					PO Box	5891, Vacavil	le CA 95696	
Boring Designation: B-MW8	7							
Base: San Jose						meda 94501	~ ~~~~~	
Boring Location: Next to stairs Drill Equipment: Mobile E-51	ł			10H:	B-WMO			Geoservices
Soils Classification System: USCS Sample type: BRASS TUBE - SPLIT SPOON 12" Hollow stem auger Soil Matrix: YES	١			: Ne	rt to stairs			obile R-51
Sample type: Brass Tube - SPLIT SPOON 12" Hollow stem auger	ł	Soils Classi	ficat	ion	System: USCS			
Date Started: 1-13-94 Finished: 1-13-94 Completion Depth: 9 feet BGS Number of Samples: 3 Depth (feet)	I	Sample type	e: BR	ASS	TUBE - SPLIT	SPOON	12" Hollow stem	auger
Number of Samples: 3 Depth to Groundwater: NE	1						·	·
Depth (feet)						d: 1-13-94		
1-13 B-MHB Concrete Basecourse CL Sandy with clay stringers		Number of	Depth to Groundwa	ter: NE				
1-13 B-MHB Concrete Basecourse CL Sandy with clay stringers			Date Time	Sample Number	Lithology	Obs	ervations	Well Construction
0		***	1-13	3				
CL BC 9/10/21 2 BC 18/26/40 3 BC 13/25/33 10 9:15 EOB CL Sandy with clay stringers Contamination based on odor and color: 6' - 9' BGS 1.2 PPM on PID Hole dry @ 9' BGS 15		0			Concrete			
5					}			
2 BC 18/26/40 3 BC 13/25/33 Contamination based on odor and color: 6' - 9 ' BGS 1.2 PPM on PID Hole dry @ 9' BGS							_	11
3 BC 13/25/33 1.2 PPM on PID Hole dry @ 9' BGS		Contaminat						
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					5891, Vacavil		
				er Paper Cor			Job No.: 70632.20
	Boring Designment			ard Str., Ala	meda 94501		Date: March, 1994
	Logged by: E		1011:	M W - 9		Driller: Exploration Base: San Jose	Geoservices
			: Wes	st of hot wax	tank	Drill Equipment: M	obile R-51
	Soils Classif	ficat	ion	System: USCS	- Cux II	Diameter & Type W	
	Sample type	e: BR	ASS	TUBE - SPLIT	SPOON	12" HSA, 4" dia. s	
ļ	Soil Matrix:					Elevation & Datum:	
				94 Finishe	d: 1-12-94	Completion Depth:	
	Number of		٣	: 3		Depth to Groundwa	ter: 9-10' BGS
	Depth (feet)	Date Time	Sample Number	Lithology	Obs	ervations	Well Construction
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	Project:	Wey	erh	aeus	er Paper Cor	npany, Alame	eda	Job N	o.: 7063	2.20			
					ard Str., Ala	meda 94501			March,	1994			
			=	ion:	B-MW10		Driller: Exploration	Geos	ervices				
	Logged						Base: San Jose			··			
-	Boring	Loca	tion	: Nea	ar waste oil	tank	Drill Equipment: M						
\vdash					System: USCS	CDOON	Diameter & Type W	ell Ca	sing:				
-	Soil Ma	frive	A B K	ASS	TUBE - SPLIT	SPUON	12" Hollow stem						
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		umber of Samples: 2 Depth to Groundwa								12 feet BGS			
t	Number			Ţ	1		Depth to Gloundwa	rer: M	£				
	Dep (fee	th t)	Date Time	Sample Number	Lithology	Obse	ervations	Well	Constr	uction			
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1	-	†]	Dasecourse	Clean - No	odor.			1 1			
	_	Į.			CL	Sandy with	clay stringers						
	5 _	+		1	BC 9/12/15	Uncohesive							
	V	_		1.	20 97,127 10	Contaminati	on in boring from						
	_	ł				6' - 9' BGS	: 350 PPM on PID			1 1			
		-				Strong gaso				1			
	10 _	<u> </u>		2	BC 49/46/50		lay/cohesion						
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					5891, Vacavil				
				er Paper Con			Job No.: 70632.20		
				ard Str., Alai	meda 94501		Date: March, 1994		
	Boring Desig		10 n :	MW-10		Driller: Exploration Geoservices			
	Logged by: B		• 1~	private drive		Base: San Jose	-1:1- D 5:		
ļ	Soils Classif	ficat	ion	System: USCS		Drill Equipment: Mobile B-51 Diameter & Type Well Casing:			
				TUBE - SPLIT		12" HSA, 4" dia. s			
	Soil Matrix:	YES	2100	TOBE BI BII	DI 0011	Elevation & Datum:			
				94 Finishe	d: 1-12-94	Completion Depth:			
	Number of				<u> </u>	Depth to Groundwa	ter: 12' - 13' BGS		
		1	Sample Number	Lithology	Obs	ervations	Well Construction		
ł	(Teet)	1-12			,		TI OC' D		
-		ſ	(MW - 16)				Traffic cover & locking cap		
	0	10:30		Asphalt Basecourse		• •			
J	+	J		Basecourse	Dry, sandy,	uncohesive	Concrete Concrete		
				CL	fine grained		ite grout		
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					5891, Vacavil				
•				er Paper Con			Job No.: 70632.20		
	Location: 18	01	Hibb	ard Str., Ala	meda 94501		Date: March, 1994		
	Boring Desig		ion:	<u>MW-11</u>		Driller: Exploration	Geoservices		
	Logged by: E		. 37			Base: San Jose			
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ł				TUBE - SPLIT	CDOON	Diameter & Type W 12" HSA, 4" dia. s	ell Casing:		
ı	Soil Matrix:	VEC	ASS	TUBE - SPLII	SPUUN	Elevation & Datum:			
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ı	Number of				a: 1-11-94	Depth to Groundwa			
ł			T	· &		Depair to Groundwa	ter. 12-13 BGS		
	Depth (feet)	Date Time		Lithology	Obs	ervations	Well Construction		
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WW - Wastewaler GW - Groundwater SW - Surface Water IVA - Impinger

- Frier - Free Product - Air/Gas

OT - Other

Studge/Soil/Solid

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PLEASE PRINT IN PEN			
Client West & Associates Engineers	Contact Brian	West (707 4.5)	1-1360 FAX#
Address 112 Pepperell CT City Vacay	ille	State CA	^{Zip} 95688
Project Name/Number Weyerhaeuser-Alamedo	2	Proj	OCH MGR B. West
Bill (If different than above)			

Sampler (Print and sign) BWW Oue Date Standard Circle for RUSH* Copies To: Brian West Auth, Init. Date/Time # of Filt.
*Matrix Containers Pres. y/n * Subject to Availability Sample Description Coll'd Remarks Lab ID# Analysis EPA 5520 Brass AM oil & grease -2 10' 134846.87 -5 METALS EPA 8270 Cr. cd. Ph. Zn. open SCAN -8 11 11 Relinquished By Date/Time Received By Relinquished By Date/Time Received By 11:00 AM * Matrix: DW - Drinkling Water

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San Jose, CA 95131
San Lina Obispo, CA 93401
Valparaiso, IN 46383
Westbrook, ME 04092

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Camarillo, CA 93012 Indianapolis, IN 46268 San Jose, CA 95131 San Luis Obispo, CA 93401 Valparaiso, IN 46383

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Chain of Custody

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COAST - TO -COAST / ANALYT SERVICES

4765 Calle Quetzal 7726 Moller Rd. 2059 Junction Ave. 141 Suburban Road 2400 Cumberland Dr. 340 County Road No. 5

Camarillo, CA 93012 Indianapolis, IN 46268 San Jose, CA 95131 San Luis Obispo, CA 93401 Valparaiso, IN 46383

Westbrook, ME 04092

05) 389-1353 17) 875-5894 (408) 955-9077 (805) 547-3888

(219) 464-2389

FAX (805) 389-1438 FAX (317) 872-6189

FAX (408) 955-9078 FAX (805) 543-2685

FAX (219) 462-2953

Chain of Custody

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WEYERHAEUSER ALAMEDA PETROLEUM CONTAMINATION ANALYSES - SOIL All Values in ug/l

SAMPLE ID	OIL & GREASE	TPH (diesel)	TPH (gas)	BENZENE	TOLUENE	XYLENES	ETHYL BENZENE
B-1, 5'	ND	ND	ND	ND	0.011	ND	ND
B-1, 10'	ND	ND	ND	ND	ND	ND	ND
B-2, 5'	ND	ND	ND	ND	ND	ND	ND
B-2, 10'	ND	DO	ND .	ND	0.09	ND	ND
B-3, 5'	ND	ND	MD	ND	ND	ND	ND
B-3, 11.5'	ND	ND	ND:	ND	ND ND	ND	ND
B-4, 5.5'	ND	MD [‡]	ND	ND	ND	81.91.2×34	ND
MW-8, 7'	ND	ND	ND	ND.	ND	ND	ND
MW-9, 5'	ND	ND	ND	ND	ND	ND	ND
MW-9, 9'	ND	ND.	ND	0.017	ND **	ND	0.099
MW-10, 5'	ND	ND	ND	ND	ND	ND	ND
MW-10, 9'	ND	ND	ND	ND	ND	ND	ND
MW-10b,7.5'	ND	ND/	ND	ND	ND	ND	ND
MW-10b,11.5'	ND	ND	ND	ND	ND	ND	ND
MW-11, 6'	50	ND	ND.	ND	ND	ND	ND
MW-11, 11'	ND	ND	ND	ND	ND:	ND	ND
NORTH END WALL	50	ND	MD	ND	ND	ND	ND

ND: Not Detected, Minimum detection limits for each compound listed on original laboratory report forms

1 Heavier molecular weight hydrocarbon compounds were detected

Justial valures may have been low due to volatil gastion of contaminants from southy soil.

WEYERHAEUSER ALAMEDA METALS ANALYSIS - SOIL JANUARY 1994 all values in mg/KG

METAL	B-4, 5.5'	MW-8, 7'	MW-9, 5'	MW-9, 9'	MW-10, 5'	MW-10, 9'	NORTH END
CADMIUM	ND	ND	ND	ND	ND (18)	ND	ND
CHROMIUM	23	21	24	24	19	26	21
LEAD	8	6	4	6	8	1. 1. 1 6 € .	6
NICKEL	28	27:	16	24	10: "	28	22
ZINC	\$ 15 A 7	60	25	21	21	30	16

NOTES:

ND: Not Detected, minimum detection limits for each metal listed on original laboratory report forms



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number: JK-0144-1

Project

: Weyerhaeuser Alameda

Analyzed :

: 01/19/94

Analyzed by: ON

Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
B-1 @ 5'	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE
FUEL FINGERPRINT ANALYSIS					1,2
Benzene			0.005	ND	
Toluene			0.005	0.011	
Ethylbenzene			0.005	ND	
Xylenes			0.005	ND	
1,2-Dichloroethane			0.005	NO	
Ethylene dibromide			0.005	ND	
Total Petroleum Hydrocarbons (Gaso	line)		1.	ND	
Total Petroleum Hydrocarbons (Dies	el 2)		1.	ND	
Percent Surrogate Recovery				89.	

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE73A DT/et/on MSD1-011994

Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres

Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0144-2

: Weyerhaeuser Alameda

Project

Analyzed Analyzed by: ON

: 01/19/94

Method

: As Listed

Vacaville, CA 95696

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION		MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
B-1 @ 10'		Soil	Brian West	====	01/13/94	01/14/94
CONSTITUENT			(CAS RN)	*PQL mg/Kg		NOTE
FUEL FINGERPRINT ANALYSIS						1,2
Benzene				0.005	ND	
Toluene				0.005	ND	
Ethylbenzene				0.005	ND	
Xylenes				0.005	ND	
1,2-Dichloroethane				0.005	ND	
Ethylene dibromide				0.005	ND	
Total Petroleum Hydrocarbons	(Gasoline)			1.	ND	
Total Petroleum Hydrocarbons	(Diesel 2)			1.	ND	
Percent Surrogate Recovery					92.	

San Jose Lab Certifications: CAELAP #1204

01/25/94 MSD1/2AE74A DT/et/on MSD1-011994

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

⁽¹⁾ EXTRACTED by EPA 5030 (purge-and-trap)

⁽²⁾ ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)



COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0144-3

Project : Weyerhaeuser Alameda

Analyzed : 01/19/94

Analyzed by: ON

Method : As Listed

P.O. Box 5891, 112 Pepperell Court Vacaville, CA 95696

West & Associates Env. Engineers

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED		
B-2 @ 5'	Soil	Brian West		01/13/94	01/14/94	
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
FUEL FINGERPRINT ANALYSIS					1,2	
Benzene			0.005	ND	·	
Toluene			0.005	ND		
Ethylbenzene			0.005	ND		
Xylenes			0.005	ND		
1,2-Dichloroethane			0.005	ND		
Ethylene dibromide			0.005	ND		
Total Petroleum Hydrocarbons (Gasoline))		1.	ND		
Total Petroleum Hydrocarbons (Diesel 2)	i		1.	ND		
Percent Surrogate Recovery				89.		

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE75A DT/et/on MSD1-011994

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

OND! TO CORD! MADE!!!CAB SERVICES, II

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0144-4

Project : Weyerhaeuser Alameda

Analyzed : 01/19/94

Analyzed by: ON

Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
B-2 @ 10'	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS					1,2
Benzene			0.005	ND	·
Toluene			0.005	0.009	
Ethylbenzene			0.005	ND	
Xylenes			0.005	ND	
1,2-Dichloroethane			0.005	ND	
Ethylene dibromide			0.005	ND	
Total Petroleum Hydrocarbons (Gasoli	ine)		1.	ND	
Total Petroleum Hydrocarbons (Diesel	l 2)		1.	ND	
Percent Surrogate Recovery				89.	
·	,		 -		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE76A DT/et/on MSD1-011994 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0144-5

Project : Weyerhaeuser Alameda

Analyzed : 01/19/94 Analyzed by: ON

Method : As Listed

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MA	MATRIX			SAMPLED DATE	RECEIVED
B-3 @ 5'	So:	il	Brian West		01/13/94	01/14/94
CONSTITUENT			(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS						1,2
Benzene				0.005	ND	
Toluene				0.005	ND	
Ethylbenzene				0.005	ND	
Xylenes				0.005	ИD	
1,2-Dichloroethane				0.005	ND	
Ethylene dibromide				0.005	ND	
Total Petroleum Hydrocarbons	(Gasoline)			1.	ND	
Total Petroleum Hydrocarbons	(Diesel 2)			1.	ND	
Percent Surrogate Recovery					91.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE77A DT/et/on MSD1-011994

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number: JK-0144-6

Project : Weyerhaeuser Alameda

Analyzed : 01/19/94

Analyzed by: ON

Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
B-3 @ 11.5'	Soil	Brian West	··	01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE
FUEL FINGERPRINT ANALYSIS					1,2
Benzene			0.005	ND	
Toluene			0.005	ND	
Ethylbenzene			0.005	ND	
Xylenes			0.005	ND	
1,2-Dichloroethane			0.005	ND	
Ethylene dibromide			0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)		1.	ND	
Total Petroleum Hydrocarbons (Diesel 2)		1.	ND	
Percent Surrogate Recovery				86.	

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE67A DT/et/on MSD1-011994

Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number: JK-0144-7

Project :

: Weyerhaeuser Alameda

Analyzed : 01/19/94

Analyzed by: ON

Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATI	E RECEIVED
B-4 @ 5.5'	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE
FUEL FINGERPRINT ANALYSIS					1,2,3
Benzene			0.2	ND	., _, .
Toluene			0.3	ND	
Ethylbenzene			0.3	ND	
Xylenes			0.3	1.2	
1,2-Dichloroethane			0.3	ND	
Ethylene dibromide			0.3	ND	
Total Petroleum Hydrocarbons (Gaso	line)		50.	ND	
Total Petroleum Hydrocarbons (Dies	el 2)		50.	ND	
Total Petroleum Hydrocarbons (C7 -	C14)		50.	50.	
Percent Surrogate Recovery				92.	

San Jose Lab Certifications: CAELAP #1204

- *RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)
- (3) TPH is quantitated against stoddard.

01/25/94 MSD1/2AE84A DT/et/on MSD1-011994

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number: JK-0144-8

Project : Weyerhaeuser Alameda

Analyzed : 01/24/94

Analyzed by: ON

Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION		MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
North End Wall		Soil	Brian West		01/13/94	01/14/94
CONSTITUENT			(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS	· · - · - · · ·					1,2
Benzene				0.005	ND	•
Toluene				0.005	NID	
Ethylbenzene				0.005	ND	
Xylenes				0.005	ND	
1,2-Dichloroethane				0.005	ND	
Ethylene dibromide				0.005	ND	
Total Petroleum Hydrocarbons	(Gasoline)			1.	ND	
Total Petroleum Hydrocarbons	(Diesel 2)			1.	ND	
Percent Surrogate Recovery					85.	

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AF32A DT/et/on MSD1-012494

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0144-9

: Weyerhaeuser Alameda

Project

Analyzed : 01/19/94

Analyzed by: ON

Method

: As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MA	TRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-8 @ 7'	So	il	Brian West		01/13/94	01/14/94
CONSTITUENT			(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS						1,2,3
Benzene				0.005	ND	, .
Toluene				0.005	ND	
Ethylbenzene				0.005	ND	
Xylenes				0.005	ND	
1,2-Dichloroethane				0.005	ND	
Ethylene dibromide				0.005	ND	
Total Petroleum Hydrocarbons (Ga	asoline)			1.	ND	
Total Petroleum Hydrocarbons (Di	esel 2)			1.	ND	
Total Petroleum Hydrocarbons (C7	- C14)			1.	3.	
Percent Surrogate Recovery					87.	

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)
- (3) TPH is quantitated against stoddard.

01/25/94 MSD1/2AE85A DT/et/on MSD1-011994

Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0144-10

Project : Weyerhaeuser Alameda

Analyzed : 01/24/94

Analyzed by: ON

Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION		MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-9 @ 5'		Soil	Brian West		01/13/94	01/14/94
CONSTITUENT			(CAS RN)	*PQL mg/Kg		NOTE
FUEL FINGERPRINT ANALYSIS						1,2
Benzene				0.005	ND	
Toluene				0.005	ND	
Ethylbenzene				0.005	ND	
Xylenes				0.005	ND	
1,2-Dichloroethane				0.005	ND	
Ethylene dibromide				0.005	ND	
Total Petroleum Hydrocarbons	(Gasoline)			1.	ND	
Total Petroleum Hydrocarbons	(Diesel 2)			1.	ND	
Percent Surrogate Recovery					86.	

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AF33A DT/et/on MSD1-012494 Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0144-11

Project : Weyerhaeuser Alameda

Analyzed : 01/24/94

Analyzed by: ON

Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION		MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-9 @ 9'		Soil	Brian West		01/13/94	01/14/94
CONSTITUENT			(CAS RN)	*PQL mg/Kg		NOTE
FUEL FINGERPRINT ANALYSIS						1,2
Benzene				0.005	0.017	
Toluene				0.005	ND	
Ethylbenzene				0.005	0.099	
Xylenes				0.005	ND	
1,2-Dichloroethane				0.005	ND	
Ethylene dibromide				0.005	ND	
Total Petroleum Hydrocarbons	(Gasoline)			1.	ND	
Total Petroleum Hydrocarbons	(Diesel 2)			1.	ND	
Percent Surrogate Recovery					87.	

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AF34A DT/et/on MSD1-012494

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number : JK-0144-12

Project : Weyerhaeuser Alameda

Analyzed : 01/19/94

Analyzed by: ON

Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATE	RIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-10 @ 5'	Soil		Brian West	<u> </u>	01/13/94	01/14/94
CONSTITUENT			(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS						1,2
Benzene				0.005	ND	
Toluene				0.005	ND	
Ethylbenzene				0.005	ND	
Xylenes				0.005	ND	
1,2-Dichloroethane				0.005	ND	
Ethylene dibromide				0.005	ND	
Total Petroleum Hydrocarbons (G	asoline)			1.	ND	
Total Petroleum Hydrocarbons (D	iesel 2)			1.	ND	
Percent Surrogate Recovery					95.	

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE78A DT/et/on MSD1-011994

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number : JK-0144-13

Project

: Weyerhaeuser Alameda

Analyzed : 01/19/94

Analyzed by: ON

Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-10 @ 9'	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS					1,2
Benzene			0.005	ND	•
Toluene			0.005	ND	
Ethylbenzene			0.005	ND	
Xylenes			0.005	ND	
1,2-Dichloroethane			0.005	ND	
Ethylene dibromide			0.005	ND	
Total Petroleum Hydrocarbons (Gasol:	ine)		1.	ND	
Total Petroleum Hydrocarbons (Diese	l 2)		1.	ND	
Percent Surrogate Recovery				91.	

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE79A DT/et/on MSD1-011994

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0144-14

Project : Weye

: Weyerhaeuser Alameda

Analyzed : 01/19/94

Analyzed by: ON

Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	М	ATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-10b @ 7.5'	S	Coil	Brian West		01/13/94	01/14/94
CONSTITUENT			(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS						1,2
Benzene				0.005	ND	
Toluene .				0.005	ND	
Ethylbenzene				0.005	ND	
Xylenes				0.005	ND	
1,2-Dichloroethane				0.005	ND	
Ethylene dibromide				0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)			1.	ND	
Total Petroleum Hydrocarbons (Diesel 2)			1.	ND	
Percent Surrogate Recovery					93.	

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE80A DT/et/on MSD1-011994

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0144-15

Project

: Weyerhaeuser Alameda

Analyzed : 01/19/94

Analyzed by: ON

andryzed by. Of

Method

: As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	•	SAMPLED DATE	E RECEIVED
MW-10b @ 11.5'	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE
FUEL FINGERPRINT ANALYSIS					1,2
Benzene			0.005	ND	
Toluene			0.005	ND	
Ethylbenzene			0.005	ND	
Xylenes			0.005	ND	
1,2-Dichloroethane			0.005	ND	
Ethylene dibromide			0.005	ND	
Total Petroleum Hydrocarbons (Gasolin	ne)		1.	ND	
Total Petroleum Hydrocarbons (Diesel	2)		1.	ND	
Percent Surrogate Recovery				92.	

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE81A DT/et/on MSD1-011994

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number : JK-0144-16

Project : W

: Weyerhaeuser Alameda

Analyzed : 01/19/94

Analyzed by: ON

Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-11 @ 6'	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS					1,2
Benzene			0.005	ND	•
Toluene			0.005	ND	
Ethylbenzene			0.005	ND	
Xylenes			0.005	ND	
1,2-Dichloroethane			0.005	ND	
Ethylene dibramide			0.005	ND	
Total Petroleum Hydrocarbons (Ga	soline)		1.	ND	
Total Petroleum Hydrocarbons (Di	esel 2)		1.	ND	
Percent Surrogate Recovery				91.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE82A DT/et/on MSD1-011994

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number : JK-0144-17

Project

: Weyerhaeuser Alameda

Analyzed : 01/19/94

Analyzed by: ON

Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATI	RECEIVED	
MW-11 @ 11'	Soil	Brian West		01/13/94	01/14/94	
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE	
FUEL FINGERPRINT ANALYSIS					1,2	
Benzene			0.005	ND		
Toluene			0.005	ND		
Ethylbenzene			0.005	ND		
Xylenes			0.005	ND		
1,2-Dichloroethane			0.005	ND		
Ethylene dibromide			0.005	ND		
Total Petroleum Hydrocarbons (Gas	soline)		1.	ND		
Total Petroleum Hydrocarbons (Die	esel 2)		1.	ND		
Percent Surrogate Recovery				89.		

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE83A DT/et/on MSD1-011994 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: MSD1-011994

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 01/19/94

Analyzed by: ON

Method : As Listed

METHOD BLANK

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY) BY SAMPLED DATE RE		
METHOD BLANK	Solid				
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS					1,2
Benzene			0.005	ND	
Toluene			0.005	ИD	
Ethylbenzene			0.005	ND	
Xylenes			0.005	ND	
1,2-Dichloroethane			0.005	ND	
Ethylene dibromide			0.005	ND	
Total Petroleum Hydrocarbons (Ga	soline)		1.	ND	
Total Petroleum Hydrocarbons (Di	esel 2)		1.	ND	
Percent Surrogate Recovery				92.	

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE64A DT/et/on JK0144-6 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: MSD1-011994

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 01/19/94

Analyzed by: ON

Method : As Listed

QC MATRIX SPIKE

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	7	SAMPLED DA	TE RECE	IVED
MATRIX SPIKE	Solid					
CONSTITUENT		ORIGINAL RESULT	SPIKE AMOUNT	RESULT mg/Kg	%REC	NOTE
FUEL FINGERPRINT ANALYSIS						1,2
Benzene		ND	0.10	0.077	77.	-
Toluene		ND	0.10	0.083	83.	
Ethylbenzene		ND	0.10	0.13	130.	
Xylenes		ND	0.10	0.12	120.	
1,2-Dichlorcethane		ND	0.10	0.077	77.	
Ethylene dibromide		ND	0.10	0.080	80.	
Total Petroleum Hydrocarbons (Diesel 2)	ND	10.	9.	90.	

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE68A/71A DT/et/mcc/on JK0144-6

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: MSD1-011994

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 01/19/94

Analyzed by: ON

Method : As Listed

QC MATRIX SPIKE

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMP	LED BY	SAMPLED DATE RECEIVED			
MATRIX SPIKE DUPLICATE	Solid						
CONSTITUENT		ORIGINAL RESULT	SPIKE AMOUNT	RESULT mg/Kg	%REC	: %DIFF	NOTE
FUEL FINGERPRINT ANALYSIS							1,2
Benzene		ND	0.10	0.091	91.	17.	
Toluene		ND	0.10	0.095	95.	13.	
Ethylbenzene		ND	0.10	0.13	130.	0.	
Xylenes		ND	0.10	0.12	120.	0.	
1,2-Dichloroethane		ND	0.10	0.10	100.	26.	
Ethylene dibromide		ND	0.10	0.098	98.	20.	
Total Petroleum Hydrocarbons (Diesel	2)	ND	10.	9.	90.	0.	

San Jose Lab Certifications: CAELAP #1204

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94 MSD1/2AE69A/72A DT/et/mcc/on JK0144-6 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0210-1

Project : Weyerhauser-Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE R		RECEIVED	
B-1 5' (JK0144 -1)	Soil	Brian West		01/13/94		01/14/94	
CONSTITUENT	*PQL	RESULT	UNITS ME	THOD ?	ANALYZED	BY NOTES	
Total Oil & Grease	50.	ND	mg/Kg SM	5520B (02/01/94	CL	

San Jose Lab Certifications: CAELAP #1204

02/02/94

NG/sab/cml CC940201A Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0210-2

Project : Weyerhauser-Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	Y SAMPLED DATE	RECEIVED
B-1 10' (JK0144 -2)	Soil	Brian West	t 01/13/94	01/14/94
CONSTITUENT	*PQL	RESULT U	NITS METHOD ANALYZED	BY NOTES
Total Oil & Grease	50.	ND my	g/Kg SM5520B 02/01/94	CT

San Jose Lab Certifications: CAELAP #1204

02/02/94

NG/sab/cml OG940201A

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0210-3

Project

: Weyerhauser-Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX SAMPLED BY		SAM	PLED DATE	RECEIVED	
B-2 5' (JK0144 -3)	Soil	Brian West		0:	1/13/94	01/14/94
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY NOTES
Total Oil & Grease	50.	ND	mg/Kg	SM5520B	02/01/94	CL

San Jose Lab Certifications: CAELAP #1204

02/02/94

NG/sab/cml OG940201A Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0210-4

Project

: Weyerhauser-Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED	BY SAM	PLED DATE	RECEIVED
B-2 10' (JK0144 -4)	Soil	Brian We	est (1/13/94	01/14/94
CONSTITUENT	*PQL	RESULT	UNITS METHOD	ANALYZED	BY NOTES
Total Oil & Grease	50.	ND	mg/Kg SM55201	3 02/01/94	CL

San Jose Lab Certifications: CAELAP #1204

02/02/94

NG/sab/cml OG940201A Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0210-5

Project

: Weyerhauser-Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	MATRIX SAMPLED BY		RECEIVED
B-3 5' (JK0144 -5) Soil B		Brian West	01/13/94	01/14/94
CONSTITUENT	*PQL	RESULT UNITS	METHOD ANALYZED	BY NOTES
Total Oil & Grease	50.	ND mg/Kg	SM5520B 02/01/94	CL

San Jose Lab Certifications: CAELAP #1204

02/02/94

NG/sab/cml OG940201A Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0210-6

Project

: Weyerhauser-Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX SAMPLED BY		BY SA	SAMPLED DATE RECEIVE		
В-3 11.5' (ЈКО144 -6)	Soil Brian		est	01/13/94	01/14/94	
CONSTITUENT	*PQL	RESULT	UNITS METHOD	ANALYZED	BY NOTES	
Total Oil & Grease	50.	ND	mg/Kg SM5520	B 02/01/94	CL	

San Jose Lab Certifications: CAELAP #1204

02/02/94

NG/sab/cml OG940201A Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0210-7

Project

: Weyerhauser-Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	D BY	SAMPLED DATE	RECEIVED
B-4 5.5' (JK0144 -7)	Soil	Brian	West	01/13/94	01/14/94
CONSTITUENT	*PQL	RESULT	UNITS METHO	D ANALYZED	BY NOTES
Cadmium, Total	0.5	ND	mg/Kg EPA 6	010 01/31/94	DO 1
Chromium, Total	0.5	23.	mg/Kg EPA 6	010 01/31/94	DO 1
Lead, Total	1.	8.	mg/Kg EPA 7	420 01/28/94	KP 1
Nickel, Total	1.	28.	mg/Kg EPA 6	010 01/31/94	DO 1
Zinc, Total	1.	17.	mg/Kg EPA 6	010 01/31/94	DO 1
Total Oil & Grease	50.	ND	mg/Kg SM552	OB 02/01/94	CL

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/27/94 by NT using EPA 3050

02/02/94

NG/sab/cml 5094012702 Respectfully submitted, COAST-TO-COAST ANALYTICAL CERVICES, INC.

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Nick Gaone Inorganics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0210-9

Project

: Weyerhauser-Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX SAMPLED BY			SAMPLED DATE RECEIVE			EIVED
MW-8 7' (JK0144 -9)	Soil	Brian	West	0:	1/13/94	01/:	14/94
CONSTITUENT	*PQL	RESULT	UNITS METH	OD	ANALYZED	BY	NOTES
Cadmium, Total	0.5	ND	mg/Kg EPA	6010	01/31/94	DO	1
Chromium, Total	0.5	21.	mg/Kg EPA	6010	01/31/94	DO	1
Lead, Total	1.	6.	mg/Kg EPA	7420	01/28/94	ΚP	1
Nickel, Total	1.	27.	mg/Kg EPA	6010	01/31/94	DO	1
Zinc, Total	1.	60.	mg/Kg EPA	6010	01/31/94	DO	1
Total Oil & Grease	50.	ND	mg/Kg SM55	20B	02/01/91	CL	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/27/94 by NT using EPA 3050

02/02/94

NG/sab/cml 5094012702

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

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Lab Number : JK-0210-10

Project

: Weyerhauser-Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX SAMPLED BY			SAM	PLED DATE	E RECEIVED		
MW-9 5' (JK0144 -10)	Soil	Brian West		01/13/94		94 01/14/94		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES	
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	01/31/94	DO	1	
Chromium, Total	0.5	24.	mg/Kg	EPA 6010	01/31/94	DO	1	
Lead, Total	1.	4.	mg/Kg	EPA 7420	01/28/94	KP	1	
Nickel, Total	1.	16.	mg/Kg	EPA 6010	01/31/94	DO	1	
Zinc, Total	1.	25.	mg/Kg	EPA 6010	01/31/94	DO	1	
Total Oil & Grease	50.	ND	mg/Kg	SM5520B	02/01/94	CL		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/27/94 by NT using EPA 3050

02/02/94

NG/sab/cml 5094012702 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

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Lab Number : JK-0210-11

Project

: Weyerhauser-Alameda

CLIENT: Brian W. West

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Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	MATRIX SAMPLED BY		SAM	SAMPLED DATE		
MW-9 9' (JKO144 -11)	Soil	Brian West		01/13/94		01/14/94	
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	01/31/94	DO	1
Chromium, Total	0.5	24.	mg/Kg	EPA 6010	01/31/94	DO	1
Lead, Total	1.	6.	mg/Kg	EPA 7420	01/28/94	KP	1
Nickel, Total	1.	24.	mg/Kg	EPA 6010	01/31/94	DO	1
Zinc, Total	1.	21.	mg/Kg	EPA 6010	01/31/94	DO	1
Total Oil & Grease	50.	ND	mg/Kg	SM5520B	02/01/94	CL	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/27/94 by NT using EPA 3050

02/02/94

NG/sab/cml 5094012702 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

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Lab Number : JK-0210-12

Project

: Weyerhauser-Alameda

CLIENT: Brian W. West

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REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	MATRIX SAMPLED BY Soil Brian West		SAM	PLED DATE	E RECEIVED	
MW-10 5' (JK0144 -12)	Soil			Brian West 01/13/94		01/14/94	
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Cadmium, Total	0.5	ND ND	mg/Kg	EPA 6010	01/31/94	DO	1
Chromium, Total	0.5	19.	mg/Kg	EPA 6010	01/31/94	DO	1
Lead, Total	1.	8.	mg/Kg	EPA 7420	01/28/94	KP	1
Nickel, Total	1.	10.	mg/Kg	EPA 6010	01/31/94	DO	1
Zinc, Total	1.	21.	mg/Kg	EPA 6010	01/31/94	DO	1
Total Oil & Grease	50.	ND	mg/Kg	SM5520B	02/01/94	CL	

San Jose Lab Certifications: CAELAP #1204

*PESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/27/94 by NT using EPA 3050

02/02/94

NC/sab/cml 5094012702 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

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Lab Number : JK-0210-13

Project

: Weyerhauser-Alameda

CLIENT: Brian W. West

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Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	ED BY	SAM	SAMPLED DATE RECEIVED			
MW-10 9' (JK0144 -13)	Soil	Brian West		Brian West 01		01/	01/14/94	
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES	
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	01/31/94	DO	1	
Chromium, Total	0.5	26.	mg/Kg	EPA 6010	01/31/94	DO	1	
Lead, Total	1.	6.	mg/Kg	EPA 7420	01/28/94	ΚP	1	
Nickel, Total	1.	28.	mg/Kg	EPA 6010	01/31/94	DO	1	
Zinc, Total	1.	30.	mg/Kg	EPA 6010	01/31/94	DO	1	
Total Oil & Grease	50.	ND	mg/Kg	SM5520B	02/01/94	CL		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 01/27/94 by NT using EPA 3050

02/02/94

NG/sab/cml 5094012702 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

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Lab Number: JK-0210-8

Project

: Weyerhauser-Alameda

CLIENT: Brian W. West

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REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		MAS	PLED DATE	E RECEIVED		
North End Wall (JK0144 -8)	Soil	Brian West		01/13/94		01/14/94		
CONSTITUENT	*PQL	RESULT	UNITS ME	ETHOD	ANALYZED	BY	NOTES	
Cadmium, Total	0.5	ND	mg/Kg EI	PA 6010	01/31/94	DO	1	
Chromium, Total	0.5	21.	mg/Kg EI	PA 6010	01/31/94	DO	1	
Lead, Total	1.	6.	mg/Kg EF	A 7420	01/28/94	ΚP	1	
Nickel, Total	1.	22.	mg/Kg E	A 6010	01/31/94	DO	1	
Zinc, Total	1.	16.	mg/Kg EE	A 6010	01/31/94	DO	1	
Total Oil & Grease	50.	50.	mg/Kg SN	15520B	02/01/94	CL		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/27/94 by NT using EPA 3050

02/02/94

NG/sab/cml 5094012702 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

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Nick Gaone Inorganics Manager



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Lab Number : JK-0210-14

Project

: Weyerhauser-Alameda

CLIENT: Brian W. West

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REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX SAMPLED BY		BY	SAME	RECEIVED		
MW-10b 7.5'	Soil	Brian W	est	01/13/94		01/14/94	
CONSTITUENT	*PQL	RESULT	UNITS M	ETHOD	ANALYZED	BY NOTES	
Total Oil & Grease	50.	ND	mg/Kg Si	M5520B	02/01/94	CL	

San Jose Lab Certifications: CAELAP #1204

02/02/94

NG/sab/cml OG940201B Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



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Lab Number : JK-0210-15

Project

: Weyerhauser-Alameda

CLIENT: Brian W. West

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Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED
MW-10b 11.5'	Soil	Brian West	01/13/94 01/14/94
CONSTITUENT	*PQL	RESULT UNITS M	ETHOD ANALYZED BY NOTES
Total Oil & Grease	50.	ND mg/Kg S	M5520B 02/01/94 CL

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/02/94

NG/sab/cml OG940201B Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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Iab Number : JK-0210-16

Project : Weyerhauser-Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	DESCRIPTION MATRIX SAMPLED BY		BY SAMPLED DATE RECEIV				
MW-11 6'	Soil	Brian West	01/13/94	01/14/94			
CONSTITUENT	*PQL	RESULT UNITS	METHOD ANALYZED	BY NOTES			
Total Oil & Grease	50.	50. mg/Kg	SM5520B 02/01/94	CL			

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/02/94

NG/sab/cml CG940201B

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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Lab Number : JK-0210-17

Project : Weyerhauser-Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

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REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED			
MW-11 11'	Soil	Brian West	01/13/94	01/14/94		
CONSTITUENT	*PQL	RESULT UNIT	s method analyzed	BY NOTES		
Total Oil & Grease	50.	ND mg/K	g SM5520B 02/01/94	CL		

San Jose Lab Certifications: CAELAP #1204

02/02/94

NG/sab/cml OG940201B Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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QC Batch ID: OG940201A

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC MATRIX SPIKE REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX			SAMPLED BY			SAMPLED DATE RECEIVED		
MATRIX SPIKE		Solid							
CONSTITUENT	ORIGINAL	SPIKE	RESULT	%REC	UNITS	METHOD	ANALYZED	BY NOTE	
Total Oil & Grease	ND	400.	380.	95.	mg/Kg	SM5520B	02/01/94	CL	

San Jose Lab Certifications: CAELAP #1204

02/02/94

NG/sab/cml JK0210-2 Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: OG940201A

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC MATRIX SPIKE REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	RIPTION			MATRIX SAMPLED BY			SAMPLED DATE			
MATRIX SPIKE DUPLICATE		Solid								
CONSTITUENT	ORIGINAL	SPIKE	RESULT	%DIFF	UNITS	METHOD	ANALYZED	BY NOTE		
Total Oil & Grease	ND	400.	380.	0.	mg/Kg	SM5520B	02/01/94	CL		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/02/94

NG/sab/cml JK0210-2 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

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QC Batch ID: OG9402018

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC MATRIX SPIKE REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION		MATRIX		SAMPLED	BY	SAMP	LED DATE R	
MATRIX SPIKE		Solid						
CONSTITUENT	ORIGINAL	SPIKE	RESULT	%REC	UNITS	METHOD	ANALYZED	BY NOTE
Total Oil & Grease	ND	400.	360.	90.	mg/Kg	SM5520B	02/01/94	CL

San Jose Lab Certifications: CAELAP #1204

02/02/94

NG/sab/cml JK0210-13 Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

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^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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QC Batch ID: OG940201B

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION		MATRIX		SAMPLED	BY	SAM	PLED DATE	RECEIVED
MATRIX SPIKE DUPLICATE		Solid						
CONSTITUENT	ORIGINAL	SPIKE	RESULT	%DIFF	UNITS	METHOD	ANALYZED	BY NOTE
Total Oil & Grease	ND	400.	350.	2.8	mg/Kg	SM5520B	02/01/94	CL

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/02/94

NG/sab/cml JKO210-13 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager

WEYWEHAEUSER ALAMEDA SEMI-VOLATILE ORGANIC ANALYSIS - SOIL FEBRUARY 1994

SAMPLE ID	COMPOUND	CONCENTRATION ug/1
B-4, 5.5'	NAPTHALENE	35
	METHYLNAPTHALENE	10



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number: JK-0210-7

Project : Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
B-4 5.5' (JK0144 -7)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS					1
Acenaphthylene		(208968)	0.5	ND	_
Acenaphthene		(83329)	0.5	ND	
Anthracene		(120127)	0.5	ND	
Benzidine		(92875)	5.	ND	
Benzo(a)anthracene		(56553)	0.5	ND	
Benzo(b)fluoranthene		(205992)	0.5	ND	
Benzo(k)fluoranthene		(207089)	0.5	ND	
Benzo(a)pyrene		(50328)	0.5	ND	
Benzo(ghi)perylene		(191242)	0.5	ND	
Bis(2-chloroethoxy)methane		(111911)	0.5	ND	
Bis(2-chloroethyl)ether		(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether		(39638329)	0.5	NTD	
Bis(2-ethylhexyl)phthalate		(117817)	1.	ND	
4-Bromophenylphenylether		(101553)	0.5	ND	
Butylbenzylphthalate		(85687)	0.5	ND	
2-Chloronaphthalene		(91587)	0.5	ND	
4-Chlorophenylphenylether		(7005723)	0.5	ND	
Chrysene		(218019)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/26/94 by ME



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CLIENT: Brian W. West

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Lab Number: JK-0210-7

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94 Analyzed by: DZ

Method: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
8-4 5.5' (JK0144 -7)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Dibenzo(a,h)anthracene		(53703)	0.5	ND	
Di-n-butylphthalate		(84742)	0.5	ND	
1,2-Dichlorobenzene		(95501)	0.5	ND	
1,3-Dichlorobenzene		(541731)	0.5	ND	
1,4-Dichlorobenzene		(106467)	0.5	ND	
3,3-Dichlorobenzidine		(91941)	5.	ND	
Diethylphthalate		(84662)	0.5	ND	
Dimethylphthalate		(131113)	0.5	ND	
2,4-Dinitrotoluene		(121142)	0.5	ND	
2,6-Dinitrotoluene		(606202)	0.5	ND	
Di-n-octylphthalate		(117840)	0.5	ND	
Fluoranthene		(206440)	0.5	ND	
Fluorene		(86737)	0.5	ND	
Hexachlorobenzene		(118741)	0.3	ND	
Hexachlorobutadiene		(87683)	0.5	ND	
Hexachlorocyclopentadiene		(77474)	0.3	ND	
Hexachloroethane		(67721)	0.5	ND	
īndeno(1,2,3-cd)pyrene		(193395)	0.5	ND	
Isophorone		(78591)	0.5	ND	
Methylnaphthalenes		(91576)	0.5	10.	

San Jose Lab Certifications: CAELAP #1204

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



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CLIENT: Brian W. West

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Lab Number: JK-0210-7

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
B-4 5.5' (JK0144 -7)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Naphthalene		(91203)	0.5	35.	
Nitrobenzene		(98953)	0.5	ND	
N-Nitrosodimethylamine		(62759)	0.5	ND	
N-Nitrosodiphenylamine		(86306)	0.5	ND	
N-Nitrosodi-n-propylamine		(621647)	0.5	ND	
Phenanthrene		(85018)	0.5	ND	
Pyrene		(129000)	0.5	ND	
Trichlorobenzene		(108703)	0.5	ND	
4-Chloro-3-methylphenol		(59507)	2.	ND	
2-Chlorophenol		(95578)	2.	ND	
Cresols (total)		,	2.	ND	
2,4-Dichlorophenol		(120832)	2.	ND	
2,4-Dimethylphenol		(105679)	2.	ND	
2,4-Dinitrophenol		(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol		(534521)	2.	ND	
2-Nitrophenol		(88755)	2.	ND	
4-Nitrophenol		(100027)	2.	ND	
Pentachlorophenol		(87865)	2.	ND	
Phenol		(108952)	2.	ND	
2,4,6-Trichlorophenol		(88062)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number: JK-0210-7

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	?	SAMPLED DAT	E RECEIVED
B-4 5.5' (JK0144 -7)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Aldrin		(309002)	0.5	ND	
alpha BHC		(319846)	0.5	ND	
beta BHC		(319857)	0.5	ND	
delta-BHC		(319868)	0.5	ND	
gamma BHC (Lindane)		(58899)	0.5	ND	
p,p'-DDD		(72548)	0.5	ND	
p,p'-DDE		(72559)	0.5	ND	
p,p'-DDT		(50293)	0.5	ND	
Dieldrin ,		(60571)	0.5	ND	
Endosulfan I		(959988)	0.5	ND	
Endosulfan II		(33213659)	0.5	ND	
Endosulfan sulfate		(1031078)	0.5	ND	
Endrin		(72208)	0.5	ND	
Endrin aldehyde		(7421934)	0.5	ND	
Heptachlor		(76448)	1.	ND	
Heptachlor epoxide		(1024573)	1.	ND	
Methoxychlor		(72435)	1.	ND	
AROCLOR 1016		(12674112)	10.	ND	
AROCLOR 1221		(11104282)	10.	ND	
AROCLOR 1232		(11141165)	10.	ND	

San Jose Lab Certifications: CAELAP #1204

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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CLIENT: Brian W. West

West & Associates Env. Engineers

P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number: JK-0210-7

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method

: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	7	SAMPLED DATE	E RECEIVED
B-4 5.5' (JK0144 -7)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE
AROCLOR 1242		(53469219)	10.	ND	
AROCLOR 1248		(12672296)	10.	ND	
AROCLOR 1254		(11097691)	10.	ND	
AROCLOR 1260		(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)		,		65.	
2-Fluorophenol (Surrogate % Recovery)				68.	
2,4,6-Tribromophenol (Surrogate % Reco	very)			87.	
Nitrobenzene-d5 (Surrogate % Recovery)				98.	
2-Fluorobiphenyl (Surrogate % Recovery	')			72.	
4-Terphenyl-d14 (Surrogate % Recovery)				74.	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N65B/84B DT/et/dez BNA-0126945

Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number: JK-0210-8

Project : Weyerhauser-Alameda

Analyzed by: DZ

Method: EPA 8270

Analyzed : 01/27/94

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
North End Wall (JK0144 -8)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS					1
Acenaphthylene		(208968)	0.5	ND	_
Acenaphthene		(83329)	0.5	ND	
Anthracene		(120127)	0.5	ND	
Benzidine		(92875)	5.	ND	
Benzo(a)anthracene		(56553)	0.5	ND	
Benzo(b)fluoranthene		(205992)	0.5	ND	
Benzo(k)fluoranthene		(207089)	0.5	ND	
Benzo(a)pyrene		(50328)	0.5	ND	
Benzo(ghi)perylene		(191242)	0.5	ND	
Bis(2-chloroethoxy)methane		(111911)	0.5	ND	
Bis(2-chloroethyl)ether		(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether		(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate		(117817)	1.	ND	
4-Bromophenylphenylether		(101553)	0.5	ND	
Butylbenzylphthalate		(85687)	0.5	ND	
2-Chloronaphthalene		(91587)	0.5	ND	
4-Chlorophenylphenylether		(7005723)	0.5	ND	
Chrysene		(218019)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/26/94 by ME

01/31/94 MSD2/2N66B DT/et/dez BNA-012694S



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number: JK-0210-8

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
North End Wall (JK0144 -8)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Dibenzo(a,h)anthracene		(53703)	0.5	ND	
Di-n-butylphthalate		(84742)	0.5	ND	
1,2-Dichlorobenzene		(95501)	0.5	ND	
1,3-Dichlorobenzene		(541731)	0.5	ND	
1,4-Dichlorobenzene		(106467)	0.5	ND	
3,3-Dichlorobenzidine		(91941)	5.	ND	
Diethylphthalate		(84662)	0.5	ND	
Dimethylphthalate		(131113)	0.5	ND	
2,4-Dinitrotoluene		(121142)	0.5	ND	
2,6-Dinitrotoluene		(606202)	0.5	ND	
Di-n-octylphthalate		(117840)	0.5	ND	
Fluoranthene		(206440)	0.5	ND	
Fluorene		(86737)	0.5	ND	
Hexachlorobenzene		(118741)	0.3	ND	
Hexachlorobutadiene		(87683)	0.5	ND	
Hexachlorocyclopentadiene		(77474)	0.3	ND	
Hexachloroethane		(67721)	0.5	ND	
Indeno(1,2,3-cd)pyrene		(193395)	0.5	ND	
Isophorone		(78591)	0.5	ND	
Methylnaphthalenes		(91576)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



CLIENT: Brian W. West

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COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0210-8

Project : Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
North End Wall (JK0144 -8)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Naphthalene		(91203)	0.5	ND	
Nitrobenzene		(98953)	0.5	ND	
N-Nitrosodimethylamine		(62759)	0.5	ND	
N-Nitrosodiphenylamine		(86306)	0.5	ND	
N-Nitrosodi-n-propylamine		(621647)	0.5	ND	
Phenanthrene		(85018)	0.5	ND	
Pyrene		(129000)	0.5	ND	
Trichlorobenzene		(108703)	0.5	ND	
4-Chloro-3-methylphenol		(59507)	2.	ND	
2-Chlorophenol		(95578)	2.	ND	
Cresols (total)			2.	ND	
2,4-Dichlorophenol		(120832)	2.	ИD	
2,4-Dimethylphenol		(105679)	2.	ND	
2,4-Dinitrophenol		(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol		(534521)	2.	NID	
2-Nitrophenol		(88755)	2.	ND	
4-Nitrophenol		(100027)	2.	ND	
Pentachlorophenol		(87865)	2.	ND	
Phenol		(108952)	2.	ND	
2,4,6-Trichlorophenol		(88062)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



CLIENT: Brian W. West

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COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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Lab Number: JK-0210-8

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94 Analyzed by: DZ

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
North End Wall (JK0144 -8)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOIE
Aldrin		(309002)	0.5	ND	
alpha BHC		(319846)	0.5	ND	
beta BHC		(319857)	0.5	ND	
delta-BHC		(319868)	0.5	ND	
gamma BHC (Lindane)		(58899)	0.5	ND	
p,p'-DDD		(72548)	0.5	ND	
p,p'-DDE		(72559)	0.5	ND	
p,p'-DDT		(50293)	0.5	ND	
Dieldrin		(60571)	0.5	ND	
Endosulfan I		(959988)	0.5	ND	
Endosulfan II		(33213659)	0.5	ND	
Endosulfan sulfate		(1031078)	0.5	ND	
Endrin		(72208)	0.5	ND	
Endrin aldehyde		(7421934)	0.5	ND	
Heptachlor		(76448)	1.	ND	
Heptachlor epoxide		(1024573)	1.	ND	
Methoxychlor		(72435)	1.	ND	
AROCLOR 1016		(12674112)	10.	ND	
AROCLOR 1221		(11104282)	10.	ND	
AROCLOR 1232		(11141165)	10.	ND	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N66B DT/et/dez BNA-012694S

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



CLIENT: Brian W. West

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COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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Lab Number: JK-0210-8

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method

: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	?	SAMPLED DATE	E RECEIVED
North End Wall (JK0144 -8)	Soil	Brian West	 -	01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE
AROCLOR 1242		(53469219)	10.	ND	
AROCLOR 1248		(12672296)	10.	ND	
AROCLOR 1254		(11097691)	10.	ND	
AROCLOR 1260		(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)		,		78.	
2-Fluorophenol (Surrogate % Recove	ery)			62.	
2,4,6-Tribromophenol (Surrogate %	Recovery)			93.	
Nitrobenzene-d5 (Surrogate % Recov	very)			69.	
2-Fluorobiphenyl (Surrogate % Reco	overy)			73.	
4-Terphenyl-d14 (Surrogate % Recov	very)			80.	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N66B DT/et/dez BNA-012694S

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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Lab Number: JK-0210-9

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	APLE DESCRIPTION MATRIX SAMPLED BY			SAMPLED DATE	E RECEIVED
MW-8 7' (JK0144 -9)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS					1
Acenaphthylene		(208968)	0.5	ND	_
Acenaphthene		(83329)	0.5	ND	
Anthracene		(120127)	0.5	ND	
Benzidine		(92875)	5.	ND	
Benzo(a)anthracene		(56553)	0.5	ND	
Benzo(b)fluoranthene		(205992)	0.5	ND	
Benzo(k)fluoranthene		(207089)	0.5	ND	
Benzo(a)pyrene		(50328)	0.5	ND	
Benzo(ghi)perylene		(191242)	0.5	ND	
Bis(2-chloroethoxy)methane		(111911)	0.5	ND	
Bis(2-chloroethyl)ether		(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether		(39638329)	0.5	ND	
.Bis(2-ethylhexyl)phthalate		(117817)	1.	ND	
4-Bromophenylphenylether		(101553)	0.5	ND	
Butylbenzylphthalate		(85687)	0.5	ND	
2-Chloronaphthalene		(91587)	0.5	ND	
4-Chlorophenylphenylether		(7005723)	0.5	ND	
Chrysene		(218019)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/26/94 by ME

01/31/94 MSD2/2N67B DT/et/dez BNA-012694S



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COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0210-9

Project : Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method

: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-8 7' (JK0144 -9)	Soil	Brian West		01/13/94 01/14/9	
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Dibenzo(a,h)anthracene		(53703)	0.5	ND	·
Di-n-butylphthalate		(84742)	0.5	ND	
1,2-Dichlorobenzene		(95501)	0.5	ND	
1,3-Dichlorobenzene		(541731)	0.5	ND	
1,4-Dichlorobenzene		(106467)	0.5	ND	
3,3-Dichlorobenzidine		(91941)	5.	ND	
Diethylphthalate		(84662)	0.5	ND	
Dimethylphthalate		(131113)	0.5	ND	
2,4-Dinitrotoluene		(121142)	0.5	ND	
2,6-Dinitrotoluene		(606202)	0.5	ND	
Di-n-octylphthalate		(117840)	0.5	ND	
Fluoranthene		(206440)	0.5	ND	
Fluorene		(86737)	0.5	ND	
Hexachlorobenzene		(118741)	0.3	ND	
Hexachlorobutadiene		(87683)	0.5	ND	
Hexachlorocyclopentadiene		(77474)	0.3	ND	
Hexachloroethane		(67721)	0.5	N™D	
Indeno(1,2,3-cd)pyrene		(193395)	0.5	ND	
Isophorone		(78591)	0.5	ND	
Methylnaphthalenes		(91576)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N67B DT/et/dez BNA-012694S

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



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COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0210-9

Project : Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-8 7' (JKO144 -9)	Soil	. Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Naphthalene		(91203)	0.5		
Nitrobenzene		(98953)	0.5	ND	
N-Nitrosodimethylamine		(62759)	0.5	ND	
N-Nitrosodiphenylamine		(86306)	0.5	ND	
N-Nitrosodi-n-propylamine		(621647)	0.5	ND	
Phenanthrene		(85018)	0.5	ND	
Pyrene		(129000)	0.5	ND	
Trichlorobenzene		(108703)	0.5	ND	
4-Chloro-3-methylphenol		(59507)	2.	ND	
2-Chlorophenol		(95578)	2.	ND	
Cresols (total)			2.	ND	
2,4-Dichlorophenol		(120832)	2.	ND	
2,4-Dimethylphenol		(105679)	2.	ND	
2,4-Dinitrophenol		(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol		(534521)	2.	ND	
2-Nitrophenol		(88755)	2.	ND	
4-Nitrophenol		(100027)	2.	ND	
Pentachlorophenol		(87865)	2.	ND	
Phenol		(108952)	2.	ND	
2,4,6-Trichlorophenol		(88062)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

01/31/94 MSD2/2N67B DT/et/dez BNA-012694S



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COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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Lab Number: JK-0210-9

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

V-1-1-3

Method

: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

MPLE DESCRIPTION MATRIX SAMPLED BY		?	SAMPLED DATE	RECEIVED	
MW-8 7' (JK0144 -9)	Soil	Brian West	;	01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Aldrin		(309002)	0.5	ND	-
alpha BHC		(319846)	0.5	ND	
beta BHC		(319857)	0.5	ND	
delta-BHC		(319868)	0.5	ND	
gamma BHC (Lindane)		(58899)	0.5	ND	
p,p'-DDD		(72548)	0.5	ND	
p,p'-DDE		(72559)	0.5	ND	
p,p'-DDT		(50293)	0.5	ND	
Dieldrin		(60571)	0.5	ND	
Endosulfan I		(959988)	0.5	ND	
Endosulfan II		(33213659)	0.5	ND	
Endosulfan sulfate		(1031078)	0.5	ND	
Endrin		(72208)	0.5	ND	
Endrin aldehyde		(7421934)	0.5	ND	
Heptachlor		(76448)	1.	ND	
Heptachlor epoxide		(1024573)	1.	ND	
Methoxychlor		(72435)	1.	ND	
AROCLOR 1016		(12674112)	10.	ND	- 1
AROCLOR 1221		(11104282)	10.	ND	
AROCLOR 1232		(11141165)	10.	ND	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N67B DT/et/dez BNA-012694S

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



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Lab Number: JK-0210-9

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	•	SAMPLED DATE	E RECEIVED
MW-8 7' (JK0144 -9)	Soil	Brian West	,	01/13/94	01/14/94
CONSTITUENT .		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
AROCLOR 1242		(53469219)	10.	ND	
AROCLOR 1248	*	(12672296)	10.	ND	
AROCLOR 1254		(11097691)	10.	ND	
AROCLOR 1260		(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)		·		75.	
2-Fluorophenol (Surrogate % Recover	ry)			64.	
2,4,6-Tribromophenol (Surrogate % F	Recovery)			91.	
Nitrobenzene-d5 (Surrogate % Recove	ery)			64.	
2-Fluorobiphenyl (Surrogate % Recov	ery)			74.	
4-Terphenyl-d14 (Surrogate % Recove	ery)			86.	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N67B DT/et/dez BNA-012694S

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0210-10

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method

: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLI	ED BY		SAMPLED DATE	RECEIVED
MW-9 5' (JK0144 - 10)	Soil	Brian	West		01/13/94	01/14/94
CONSTITUENT		(CAS	RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS						1
Acenaphthylene		(2089	968)	0.5	ND	
Acenaphthene		(833	329)	0.5	ND	
Anthracene		(120)	127)	0.5	ND	
Benzidine		(928	375)	5.	ND	
Benzo(a)anthracene		(565	553)	0.5	ND	
Benzo(b)fluoranthene		(2059	992)	0.5	ND	
Benzo(k)fluoranthene		(2070	089)	0.5	ND	
Benzo(a)pyrene	,	(503	328)	0.5	ND	
Benzo(ghi)perylene		(1912	242)	0.5	ND	
Bis(2-chloroethoxy)methane		(1119	911)	0.5	ND	
Bis(2-chloroethyl)ether		(1114	44)	0.5	ND	
Bis(2-chloroisopropyl)ether		(396383	329)	0.5	ND	
Bis(2-ethylhexyl)phthalate		(1178	317)	1.	ND	
4-Bromophenylphenylether		(1019	53)	0.5	ND	
Butylbenzylphthalate		(856	87)	0.5	ND	
2-Chloronaphthalene		(915	87)	0.5	ND	
4-Chlorophenylphenylether		(70057	23)	0.5	ND	
Chrysene		(2180	19)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/26/94 by ME

01/31/94 MSD2/2N68B DT/et/dez BNA-012694S



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COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0210-10

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION MATRIX SAMPLED BY			SAMPLED DATE	E RECEIVED		
MW-9 5' (JK0144 -10).	Soil	Brian West		01/13/94	01/14/94	
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
Dibenzo(a,h)anthracene		(53703)	0.5	ND		
Di-n-butylphthalate		(84742)	0.5	ND		
1,2-Dichlorobenzene		(95501)	0.5	ND		
1,3-Dichlorobenzene		(541731)	0.5	ND		
1,4-Dichlorobenzene		(106467)	0.5	ND		
3,3-Dichlorobenzidine		(91941)	5.	ND		
Diethylphthalate		(84662)	0.5	ND		
Dimethylphthalate		(131113)	0.5	ND		
2,4-Dinitrotoluene		(121142)	0.5	14D		
2,6-Dinitrotoluene		(606202)	0.5	ND		
Di-n-octylphthalate		(117840)	0.5	ND		
Fluoranthene		(206440)	0.5	ND		
Fluorene		(86737)	0.5	ND		
Hexachlorobenzene		(118741)	0.3	ND		
Hexachlorobutadiene		(87683)	0.5	ND		
Hexachlorocyclopentadiene		(77474)	0.3	ND		
Hexachloroethane		(67721)	0.5	ND		
Indeno(1,2,3-cd)pyrene		(193395)	0.5	ND		
Isophorone		(78591)	0.5	ND		
Methylnaphthalenes		(91576)	0.5	ND		

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N68B DT/et/dez BNA-012694S

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number : JK-0210-10

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: D2

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			SAMPLED DATE	E RECEIVED	
MW-9 5' (JK0144 -10)				01/13/94	01/14/94	
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
Naphthalene		(91203)	0.5	ND		
Nitrobenzene		(98953)	0.5	ND		
N-Nitrosodimethylamine		(62759)	0.5	ND		
N-Nitrosodiphenylamine		(86306)	0.5	ND		
N-Nitrosodi-n-propylamine		(621647)	0.5	ND		
Phenanthrene		(85018)	0.5	ND		
Pyrene		(129000)	0.5	ND		
Trichlorobenzene		(108703)	0.5	ND		
4-Chloro-3-methylphenol		(59507)	2.	ND		
2-Chlorophenol		(95578)	2.	ND		
Cresols (total)			2.	ND		
2,4-Dichlorophenol		(120832)	2.	ND		
2,4-Dimethylphenol		(105679)	2.	ND		
2,4-Dinitrophenol		(51285)	2.	ND		
2-Methyl-4,6-dinitrophenol		(534521)	2.	ND		
2-Nitrophenol		(88755)	2.	ND		
4-Nitrophenol		(100027)	2.	ND		
Pentachlorophenol		(87865)	2.	ND		
Phenol		(108952)	2.	ND		
2,4,6-Trichlorophenol		(88062)	2.	ND		

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N68B DT/et/dez BNA-012694S

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



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COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0210-10

Project : Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED		
MW-9 5' (JK0144 -10)	Soil	Brian West		01/13/94	01/14/94	
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
Aldrin		(309002)	0.5	ND		
alpha BHC		(319846)	0.5	ND		
beta BHC		(319857)	0.5	ND		
delta-BHC		(319868)	0.5	ND		
gamma BHC (Lindane)		(58899)	0.5	ND		
p,p'-DDD		(72548)	0.5	ND		
p,p'-DDE		(72559)	0.5	ND		
p,p'-DDT		(50293)	0.5	ND		
Dieldrin		(60571)	0.5	ND		
Endosulfan I		(959988)	0.5	ND		
Endosulfan II		(33213659)	0.5	ND		
Endosulfan sulfate		(1031078)	0.5	ND		
Endrin		(72208)	0.5	ND		
Endrin aldehyde		(7421934)	0.5	ND		
Heptachlor		(76448)	1.	ND		
Heptachlor epoxide		(1024573)	1.	ND		
Methoxychlor		(72435)	1.	ND		
AROCLOR 1016		(12674112)	10.	ND		
AROCLOR 1221		(11104282)	10.	ND		
AROCLOR 1232		(11141165)	10.	ND		

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N68B DT/et/dez BNA-012694S

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



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COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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Lab Number : JK-0210-10

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

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: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY Brian West		SAMPLED DATE	E RECEIVED
MW-9 5' (JK0144 -10)	Soil			01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE
AROCLOR 1242		(53469219)	10.	ND	
AROCLOR 1248		(12672296)	10.	ND	
AROCLOR 1254		(11097691)	10.	ND	
AROCLOR 1260		(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)				79.	
2-Fluorophenol (Surrogate % Recove	ry)			76.	
2,4,6-Tribromophenol (Surrogate %				99.	
Nitrobenzene-d5 (Surrogate % Recov	ery)			73.	
2-Fluorobiphenyl (Surrogate % Reco	very)			72.	
4-Terphenyl-d14 (Surrogate % Recov	ery)			89.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

01/31/94 MSD2/2N68B DT/et/dez BNA-012694S

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

Organics manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number: JK-0210-11

Project : Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLI	ED BY		SAMPLED I	DATE RECEIVE
MW-9 9' (JK0144 -11)	Soil	Brian	West		01/13/9	94 01/14/94
CONSTITUENT		(CAS	RN)	*PQL mg/Kg	RESUI mg/Kg	
SEMIVOLATILE ORGANIC COMPOUNDS		·			· · · · · · · · · · · · · · · · · · ·	
Acenaphthylene		(2089	968)	0.5	ND	
Acenaphthene		(833	329)	0.5	ND	
Anthracene		(1201	•	0.5	ND	
Benzidine		(928	375)	5.	ND	
Benzo(a)anthracene		(565	553)	0.5	ND	
Benzo(b)fluoranthene		(2059	992)	0.5	ND	
Benzo(k)fluoranthene		(2070)89j	0.5	ND	
Benzo(a)pyrene		(503	328)	0.5	ND	
Benzo(ghi)perylene		(1912	(42)	0.5	ND	
Bis(2-chloroethoxy)methane		(1119	-	0.5	ND	
Bis(2-chloroethyl)ether		(1114	44)	0.5	ND	
Bis(2-chloroisopropyl)ether		(396383	29)	0.5	ND	
Bis(2-ethylhexyl)phthalate		(1178	17)	1.	ND	
4-Bromophenylphenylether		(1015	53)	0.5	ND	
Butylbenzylphthalate		(856	•	0.5	ND	
2-Chloronaphthalene		(915	•	0.5	ND	
4-Chlorophenylphenylether		(70057	•	0.5	ND	
Chrysene		(2180	•	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/26/94 by ME

01/31/94 MSD2/2N69B DT/et/dez BNA-012694S



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COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0210-11

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method

: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-9 9' (JK0144 -11) Soil		Brian West	Brian West		01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Dibenzo(a,h)anthracene		(53703)	0.5	ND	
Di-n-butylphthalate		(84742)	0.5	NID	
1,2-Dichlorobenzene		(95501)	0.5	ND	
1,3-Dichlorobenzene		(541731)	0.5	ND	
1,4-Dichlorobenzene		(106467)	0.5	ND	
3,3-Dichlorobenzidine		(91941)	5.	ND	
Diethylphthalate		(84662)	0.5	ND	
Dimethylphthalate		(131113)	0.5	ND	
2,4-Dinitrotoluene		(121142)	0.5	ND	
2,6-Dinitrotoluene		(606202)	0.5	ND	
Di-n-octylphthalate		(117840)	0.5	ND	
Fluoranthene		(206440)	0.5	ND	
Fluorene		(86737)	0.5	ND	
Hexachlorobenzene		(118741)	0.3	ND	
Hexachlorobutadiene		(87683)	0.5	ND	
Hexachlorocyclopentadiene		(77474)	0.3	ND	
Hexachloroethane		(67721)	0.5	ND	
Indeno(1,2,3-cd)pyrene		(193395)	0.5	ND	
Isophorone		(78591)	0.5	ND	
Methylnaphthalenes		(91576)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N69B DT/et/dez BNA-012694S

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



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Lab Number : JK-0210-11

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-9 9' (JK0144 -11)	Soil	Brian West	······································	01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE
Naphthalene		(91203)	0.5	ND	
Nitrobenzene		(98953)	0.5	ND	
N-Nitrosodimethylamine		(62759)	0.5	ND	
N-Nitrosodiphenylamine		(86306)	0.5	ND	
N-Nitrosodi-n-propylamine		(621647)	0.5	ND	
Phenanthrene		(85018)	0.5	ND	
Pyrene		(129000)	0.5	ND	
Trichlorobenzene		(108703)	0.5	ND	
4-Chloro-3-methylphenol		(59507)	2.	ND	
2-Chlorophenol		(95578)	2.	ND	
Cresols (total)			2.	ND	
2,4-Dichlorophenol		(120832)	2.	ND	
2,4-Dimethylphenol		(105679)	2.	ND	
2,4-Dinitrophenol		(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol		(534521)	2.	ΦM	
2-Nitrophenol		(88755)	2.	ND	
4-Nitrophenol		(100027)	2.	ND	
Pentachlorophenol		(87865)	2.	ND	
Phenol		(108952)	2.	ND	
2,4,6-Trichlorophenol		(88062)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N69B DT/et/dez BNA-012694S

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



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Lab Number : JK-0210-11

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

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Method

: EPA 8270

REPORT OF ANALYTICAL, RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-9 9' (JK0144 -11)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Aldrin	ALLE-C NEW PARTIES	(309002)	0.5	ND	
alpha BHC		(319846)	0.5	ND	
beta BHC		(319857)	0.5	ND	
delta-BHC		(319868)	0.5	ND	
gamma BHC (Lindane)		(58899)	0.5	ND	
p,p'-DDD		(72548)	0.5	ND	
p,p'-DDE		(72559)	0.5	ND	
p,p'-DDT		(50293)	0.5	ND	
Dieldrin		(60571)	0.5	ND	
Endosulfan I		(959988)	0.5	ND	
Endosulfan II		(33213659)	0.5	ND	
Endosulfan sulfate		(1031078)	0.5	ND	
Endrin		(72208)	0.5	ND	
Endrin aldehyde		(7421934)	0.5	ND	
Heptachlor		(76448)	1.	ND	
Heptachlor epoxide		(1024573)	1.	ND	
Methoxychlor		(72435)	1.	ND	
AROCLOR 1016		(12674112)	10.	ND	
AROCLOR 1221		(11104282)	10.	ND	
AROCLOR 1232		(11141165)	10.	ND	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N69B DT/et/dez BNA-012694S

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number : JK-0210-11

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	<u>'</u>	SAMPLED DATE	E RECEIVED
MW-9 9' (JK0144 -11)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE
AROCLOR 1242		(53469219)	10.	ND	.,,,,,
AROCLOR 1248		(12672296)	10.	ND	
AROCLOR 1254		(11097691)	10.	ND	
AROCLOR 1260		(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)		, ,		61.	
2-Fluorophenol (Surrogate % Recovery)				58.	
2,4,6-Tribromophenol (Surrogate % Reco	very)			75.	
Nitrobenzene-d5 (Surrogate % Recovery)	<u>-</u> '			58.	
2-Fluorobiphenyl (Surrogate % Recovery)			66.	
4-Terphenyl-d14 (Surrogate % Recovery)				89.	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N698 DT/et/dez BNA-012694S

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number : JK-0210-12

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-10 5' (JK0144 -12)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE
SEMIVOLATILE ORGANIC COMPOUNDS					1
Acenaphthylene		(208968)	0.5	ND	
Acenaphthene		(83329)	0.5	ND	
Anthracene		(120127)	0.5	ND	
Benzidine		(92875)	5.	ND	
Benzo(a)anthracene		(56553)	0.5	ND	
Benzo(b)fluoranthene		(205992)	0.5	ND	
Benzo(k)fluoranthene		(207089)	0.5	ND	
Benzo(a)pyrene		(50328)	0.5	ND	
Benzo(ghi)perylene		(191242)	0.5	ND	
Bis(2-chloroethoxy)methane		(111911)	0.5	ND	
Bis(2-chloroethyl)ether		(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether		(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate		(117817)	1.	NTD	
4-Bromophenylphenylether		(101553)	0.5	ND	
Butylbenzylphthalate		(85687)	0.5	ND	
2-Chloronaphthalene		(91587)	0.5	ND	
4-Chlorophenylphenylether		(7005723)	0.5	ND	
Chrysene		(218019)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/26/94 by ME

01/31/94 MSD2/2N70B DT/et/dez BNA-012694S



West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0210-12

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-10 5' (JK0144 -12)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Dibenzo(a,h)anthracene	-	(53703)	0.5		
Di-n-butylphthalate		(84742)	0.5	ND	
1,2-Dichlorobenzene		(95501)	0.5	ND	
1.3-Dichlorobenzene		(541731)	0.5	ND	
1,4-Dichlorobenzene		(106467)	0.5	ND	
3,3-Dichlorobenzidine		(91941)	5.	ND	
Diethylphthalate		(84662)	0.5	ND	
Dimethylphthalate		(131113)	0.5	ND	
2,4-Dinitrotoluene		(121142)	0.5	ND	
2,6-Dinitrotoluene		(606202)	0.5	ND	
Di-n-octylphthalate		(117840)	0.5	ND	
Fluoranthene .		(206440)	0.5	ND	
Fluorene		(86737)	0.5	ND	
Hexachlorobenzene		(118741)	0.3	NTD	
Hexachlorobutadiene		(87683)	0,5	ND	
Hexachlorocyclopentadiene		(77474)	0.3	ND	
Hexachloroethane		(67721)	0.5	ND	
Indeno(1,2,3-cd)pyrene		(193395)	0.5	ND	
Isophorone		(78591)	0.5	ND	
Methylnaphthalenes		(91576)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

01/31/94 MSD2/2N70B DT/et/dez BNA-012694S



West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0210-12

Project : W

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

.....

Method: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-10 5' (JK0144 -12)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Naphthalene		(91203)	0.5	ND	
Nitrobenzene		(98953)	0.5	ND	
N-Nitrosodimethylamine		(62759)	0.5	ND	
N-Nitrosodiphenylamine		(86306)	0.5	ИD	
N-Nitrosodi-n-propylamine		(621647)	0.5	ND	
Phenanthrene		(85018)	0.5	ND	
Pyrene		(129000)	0.5	ND	
Trichlorobenzene		(108703)	0.5	ND	
4-Chloro-3-methylphenol		(59507)	2.	ND	
2-Chlorophenol		(95578)	2.	ND	
Cresols (total)			2.	ND	
2,4-Dichlorophenol		(120832)	2.	ND	
2,4-Dimethylphenol		(105679)	2.	ND	
2,4-Dinitrophenol		(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol		(534521)	2.	ND	
2-Nitrophenol		(88755)	2.	ND	
4-Nitrophenol		(100027)	2.	ND	
Pentachlorophenol		(87865)	2.	ND	
Phenol		(108952)	2.	NID	
2,4,6-Trichlorophenol		(88062)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N70B DT/et/dez BNA-012694S

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number : JK-0210-12

Project : Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	?	SAMPLED DATE	E RECEIVED
MW-10 5' (JK0144 -12)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE
Aldrin		(309002)	0.5	MD	
alpha BHC		(319846)	0.5	ND	
beta BHC		(319857)	0.5	ND	
delta-BHC		(319868)	0.5	ND	
gamma BHC (Lindane)		(58899)	0.5	ND	
p,p'-DDD		(72548)	0.5	ND	
p,p'-DDE		(72559)	0.5	ND	
p,p'-DDT		(50293)	0.5	ND	
Dieldrin		(60571)	0.5	ND	
Endosulfan I		(959988)	0.5	ND	
Endosulfan II		(33213659)	0.5	ND	
Endosulfan sulfate		(1031078)	0.5	ND	
Endrin		(72208)	0.5	ND	
Endrin aldehyde		(7421934)	0.5	ND	
Heptachlor		(76448)	1.	ND	
Heptachlor epoxide		(1024573)	1.	ND	
Methoxychlor		(72435)	1.	ND	
AROCLOR 1016		(12674112)	10.	ND	
AROCLOR 1221		(11104282)	10.	ND	
AROCLOR 1232		(11141165)	10.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

01/31/94 MSD2/2N70B DT/et/dez BNA-012694S



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number : JK-0210-12

Project : Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-10 5' (JK0144 -12)	Soil	Brian West	·	01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE
AROCLOR 1242		(53469219)	10.	ND	·
AROCLOR 1248		(12672296)	10.	ND	
AROCLOR 1254		(11097691)	10.	ND	
AROCLOR 1260		(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)		,		72.	
2-Fluorophenol (Surrogate % Recovery)				67.	
2,4,6-Tribromophenol (Surrogate & Reco	very)			91.	
Nitrobenzene-d5 (Surrogate % Recovery)				68.	
2-Fluorobiphenyl (Surrogate % Recovery)			71.	
4-Terphenyl-d14 (Surrogate % Recovery)	•			81.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

01/31/94 MSD2/2N70B DT/et/dez BNA-012694S

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres

Organics Manager



West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0210-13

Project : Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-10 9' (JK0144 -13)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS					1
Acenaphthylene		(208968)	0.5	ND	
Acenaphthene		(83329)	0.5	ND	
Anthracene		(120127)	0.5	ND	
Benzidine		(92875)	5.	ND	
Benzo(a)anthracene		(56553)	0.5	ND	
Benzo(b)fluoranthene		(205992)	0.5	ND	
Benzo(k)fluoranthene		(207089)	0.5	ND	
Benzo(a)pyrene		(50328)	0.5	NID	
Benzo(ghi)perylene		(191242)	0.5	ND	
Bis(2-chloroethoxy)methane		(111911)	0.5	ND	
Bis(2-chloroethyl)ether		(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether		(39638329)	0.5	NID	
Bis(2-ethylhexyl)phthalate		(117817)	1.	ND	
4-Bromophenylphenylether		(101553)	0.5	ND	
Butylbenzylphthalate		(85687)	0.5	ND	
2-Chloronaphthalene		(91587)	0.5	ND	
4-Chlorophenylphenylether		(7005723)	0.5	ND	
Chrysene		(218019)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

(1) Sample Preparation on 01/26/94 by ME

01/31/94 MSD2/2N71B DT/et/dez BNA-012694s

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number: JK-0210-13

Project : We

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-10 9' (JK0144 ~13)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Dibenzo(a,h)anthracene		(53703)	0.5	ND	
Di-n-butylphthalate		(84742)	0.5	ND	
1,2-Dichlorobenzene.		(95501)	0.5	ND	
1,3-Dichlorobenzene		(541731)	0.5	ND	
1,4-Dichlorobenzene		(106467)	0.5	ИD	
3,3-Dichlorobenzidine		(91941)	5.	ND	
Diethylphthalate		(84662)	0.5	ND	
Dimethylphthalate		(131113)	0.5	ND	
2,4-Dinitrotoluene		(121142)	0.5	ND	
2,6-Dinitrotoluene		(606202)	0.5	ND	
Di-n-octylphthalate		(117840)	0.5	ND	
Fluoranthene		(206440)	0.5	ND	
Fluorene		(86737)	0.5	ND	
Hexachlorobenzene		(118741)	0.3	ND	
Hexachlorobutadiene		(87683)	0.5	ND	
Hexachlorocyclopentadiene		(77474)	0.3	ND	
Hexachloroethane		(67721)	0.5	ND	
Indeno(1,2,3-cd)pyrene		(193395)	0.5	ND	
Isophorone		(78591)	0.5	ND	
Methylnaphthalenes		(91576)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N71B DT/et/dez BNA-012694S

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0210-13

CLIENT: Brian W. West Project: Weyerhauser-Alameda
West & Associates Env. Engineers

P.O. Box 5891, 112 Pepperell Court Analyzed : 01/27/94

Vacaville, CA 95696 Analyzed by: DZ

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-10 9' (JK0144 -13)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Naphthalene		(91203)	0.5	ND	
Nitrobenzene		(98953)	0.5	ND	
N-Nitrosodimethylamine		(62759)	0.5	ND	
N-Nitrosodiphenylamine		(86306)	0.5	ND	
N-Nitrosodi-n-propylamine		(621647)	0.5	ND	
Phenanthrene		(85018)	0.5	ND	
Pyrene		(129000)	0.5	ND	
Trichlorobenzene		(108703)	0.5	ND	
4-Chloro-3-methylphenol		(59507)	2.	ND	
2-Chlorophenol		(95578)	2.	ND	
Cresols (total)			2.	ND	
2,4-Dichlorophenol		(120832)	2.	ND	
2,4-Dimethylphenol		(105679)	2.	ND	
2,4-Dinitrophenol		(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol		(534521)	2.	ND	
2-Nitrophenol		(88755)	2.	ND	
4-Nitrophenol		(100027)	2.	ND	
Pentachlorophenol		(87865)	2.	ND	
Phenol		(108952)	2.	ND	
2,4,6-Trichlorophenol		(88062)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N71B DT/et/dez BNA-012694S

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number : JK-0210-13

Project : Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method: EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-10 9' (JK0144 -13)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Aldrin		(309002)	0.5	NID	
alpha BHC		(319846)	0.5	ND	
beta BHC		(319857)	0.5	ND	
delta-BHC		(319868)	0.5	ND	
gamma BHC (Lindane)		(58899)	0.5	ND	
p,p'-DDD		(72548)	0.5	ND	
p,p'-DDE		(72559)	0.5	ND	
p,p'-DDT		(50293)	0.5	ND	
Dieldrin		(60571)	0.5	ND	
Endosulfan I		(959988)	0.5	ND	
Endosulfan II		(33213659)	0.5	ND	
Endosulfan sulfate		(1031078)	0.5	ND	
Endrin		(72208)	0.5	ND	
Endrin aldehyde		(7421934)	0.5	ND	
Heptachlor		(76448)	1.	ND	
Heptachlor epoxide		(1024573)	1.	ND	
Methoxychlor		(72435)	1.	ND	
AROCLOR 1016		(12674112)	10.	ND	
AROCLOR 1221		(11104282)	10.	ND	
AROCLOR 1232		(11141165)	10.	ND	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N71B DT/et/dez BNA-012694S

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers P.O. Box 5891, 112 Pepperell Court

Vacaville, CA 95696

Lab Number : JK-0210-13

Project

: Weyerhauser-Alameda

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	•	SAMPLED DATE	E RECEIVED
MW-10 9' (JK0144 -13)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT		(CAS RN)	*PQL mg/Kg		NOTE
AROCLOR 1242		(53469219)	10.	ND	
AROCLOR 1248		(12672296)	10.	ND	
AROCLOR 1254		(11097691)	10.	ND	
AROCLOR 1260		(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)				51.	
2-Fluorophenol (Surrogate % Recov	ery)			48.	
2,4,6-Tribromophenol (Surrogate %	Recovery)			60.	
Nitrobenzene-d5 (Surrogate % Reco	very)			44.	
2-Fluorobiphenyl (Surrogate % Rec	overy)			49.	
4-Terphenyl-d14 (Surrogate % Reco	very)			83.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

01/31/94 MSD2/2N71B DT/et/dez BNA-012694S

Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: BNA-012694S

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 01/27/94

Analyzed by: DZ

Method: EPA 8270

METHOD BLANK

REPORT OF ANALYTICAL RESULTS

Page 1 of 4

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAM	IPLED DATE RE	CEIVED
METHOD BLANK	Solid				
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS					1
Acenaphthylene		(208968)	0.5	ИD	
Acenaphthene		(83329)	0.5	ND	
Anthracene		(120127)	0.5	ND	
Benzidine		(92875)	5.	ND	
Benzo(a)anthracene		(56553)	0.5	ND	
Benzo(b)fluoranthene		(205992)	0.5	ND	
Benzo(k)fluoranthene		(207089)	0.5	ND	
Benzo(a)pyrene		(50328)	0.5	ND	
Benzo(ghi)perylene		(191242)	0.5	ND	
Bis(2-chloroethoxy)methane		(111911)	0.5	ND	
Bis(2-chloroethyl)ether		(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether		(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate		(117817)	1.	ND	
4-Bromophenylphenylether		(101553)	0.5	ND	
Butylbenzylphthalate		(85687)	0.5	ND	
2-Chloronaphthalene		(91587)	0.5	ND	
4-Chlorophenylphenylether		(7005723)	0.5	ND	
Chrysene		(218019)	0.5	ND	
Dibenzo(a,h)anthracene		(53703)	0.5	ND	
Di-n-butylphthalate		(84742)	0.5	ND	
1,2-Dichlorobenzene		(95501)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/26/94 by ME

01/31/94 MSD2/2N59B DT/et/dez JK0210-8



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: BNA-012694S

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

METHOD BLANK

REPORT OF ANALYTICAL RESULTS

Page 2 of 4

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAM	IPLED DATE RE	CEIVED
METHOD BLANK	Solid				
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
1,3-Dichlorobenzene		(541731)	0.5	ND	
1,4-Dichlorobenzene		(106467)	0.5	ND	
3,3-Dichlorobenzidine		(91941)	5.	ND	
Diethylphthalate		(84662)	0.5	ND	
Dimethylphthalate		(131113)	0.5	ND	
2,4-Dinitrotoluene		(121142)	0.5	ND	
2,6-Dinitrotoluene		(606202)	0.5	ND	
Di-n-octylphthalate		(117840)	0.5	ND	
Fluoranthene		(206440)	0.5	ND	
Fluorene		(86737)	0.5	ND	
Hexachlorobenzene		(118741)	0.3	ND	
Hexachlorobutadiene		(87683)	0.5	ND	
Hexachlorocyclopentadiene		(77474)	0.3	ND	
Hexachloroethane		(67721)	0.5	ND	
Indeno(1,2,3-cd)pyrene		(193395)	0.5	ND	
Isophorone		(78591)	0.5	ND	
Methylnaphthalenes		(91576)	0.5	ND	
Naphthalene		(91203)	0.5	ND	
Nitrobenzene		(98953)	0.5	ND	
N-Nitrosodimethylamine		(62759)	0.5	ND	
N-Nitrosodiphenylamine		(86306)	0.5	ND	
N-Nitrosodi-n-propylamine		(621647)	0.5	ND	
Phenanthrene		(85018)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

01/31/94 MSD2/2N59B DT/et/dez JK0210-8



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: BNA-012694S

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 01/27/94

Analyzed by: DZ

Method: EPA 8270

METHOD BLANK

REPORT OF ANALYTICAL RESULTS

Page 3 of 4

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAM	IPLED DATE RE	CEIVED
METHOD BLANK	Solid		<u></u>		
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Pyrene		(129000)	0.5	ND	
Trichlorobenzene		(108703)	0.5	ND	
4-Chloro-3-methylphenol		(59507)	2.	ND	
2-Chlorophenol		(95578)	2.	ND	
Cresols (total)			2.	ND	
2,4-Dichlorophenol		(120832)	2.	ND	
2,4-Dimethylphenol		(105679)	2.	ND	
2,4-Dinitrophenol		(51285)	2.	ND	
2-Methyl-4,6-dinitrophenol		(534521)	2.	ND	
2-Nitrophenol		(88755)	2.	ND	
4-Nitrophenol		(100027)	2.	ND	
Pentachlorophenol		(87865)	2.	ND	
Phenol		(108952)	2.	ND	
2,4,6-Trichlorophenol		(88062)	2.	ND	
Aldrin		(309002)	0.5	ND	
alpha BHC		(319846)	0.5	ND	
beta BHC		(319857)	0.5	ND	
delta-BHC		(319868)	0.5	ND	
gamma BHC (Lindane)		(58899)	0.5	ND	
p,p'-DDD		(72548)	0.5	ND	
p,p'-DDE		(72559)	0.5	ND	
p,p'-DDT		(50293)	0.5	ND	
Dieldrin		(60571)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

01/31/94 MSD2/2N59B DT/et/dez JK0210-8

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: BNA-012694S

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

METHOD BLANK

REPORT OF ANALYTICAL RESULTS

Page 4 of 4

SAMPLE DESCRIPTION MAT	RIX	SAMPLED BY	SAM	IPLED DATE RE	CEIVED
METHOD BLANK Sol	id				
CONSTITUENT		(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Endosulfan I		(959988)	0.5	ND	
Endosulfan II		(33213659)	0.5	ND	
Endosulfan sulfate		(1031078)	0.5	ND	
Endrin		(72208)	0.5	ND	
Endrin aldehyde		(7421934)	0.5	ND	
Heptachlor		(76448)	1.	ND	
Heptachlor epoxide		(1024573)	1.	ND	
Methoxychlor		(72435)	1.	ND	
AROCLOR 1016		(12674112)	10.	MD	
AROCLOR 1221		(11104282)	10.	ND	
AROCLOR 1232		(11141165)	10.	ND	
AROCLOR 1242		(53469219)	10.	ND	
AROCLOR 1248		(12672296)	10.	ND	
AROCLOR 1254		(11097691)	10.	ND	
AROCLOR 1260		(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)				56.	
2-Fluorophenol (Surrogate % Recovery)				49.	
2,4,6-Tribromophenol (Surrogate % Recovery)				65 .	
Nitrobenzene-d5 (Surrogate % Recovery)				49.	
2-Fluorobiphenyl (Surrogate % Recovery)				64.	
4-Terphenyl-d14 (Surrogate % Recovery)				84.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

01/31/94 MSD2/2N59B DT/et/dez JK0210-8 Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: BNA-012694S

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 01/27/94

Analyzed by: DZ

Method: EPA 8270

QC SPIKE

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED B	SAMPLED BY		SAMPLED DATE RECEIVED		
QC SPIKE	Solid						
CONSTITUENT	7	*PQL mg/Kg	SPIKE AMOUNT	RESULT mg/Kg	%REC	NOTE	
SEMIVOLATILE ORGANIC COMPOUNDS						1	
Acenaphthene		0.5	3.3	2.9	88.		
1,4-Dichlorobenzene		0.5	3.3	2.2	67.		
2,4-Dinitrotoluene		0.5	3.3	3.3	100.		
N-Nitrosodi-n-propylamine		0.5	3.3	2.5	76.		
Pyrene		0.5	3.3	3.4	103.		
Trichlorobenzene		0.5	3.3	2.6	79.		
4-Chioro-3-methylphenol		2.	6.7	5.0	75.		
2-Chlorophenol		2.	6.7	4.5	67.		
4-Nitrophenol		2.	6.7	6.1	91.		
Pentachlorophenol		2.	6.7	6.6	99.		
Phenol		2.	6.7	5.0	75.		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/26/94 by ME

01/31/94 MSD2/2N63B DT/et/dez JK0210-8

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: BNA-012694S

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 01/27/94

Analyzed by: DZ

Method : EPA 8270

QC SPIKE

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAM	IPLED BY	SAME	LED DA	TE RECE	IVED
QC SPIKE DUPLICATE	Solid			* · · · · · · · · · · · · · · · · · · ·			
CONSTITUENT ·		*PQL mg/Kg	SPIKE AMOUNT	RESULT mg/Kg	₹REC	%DIFF	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS							1
Acenaphthene		0.5	3.3	3.0	91.	3.4	
1,4-Dichlorobenzene		0.5	3.3	2.2	67.	0.	
2,4-Dinitrotoluene		0.5	3.3	3.6	109.	8.7	
N-Nitrosodi-n-propylamine		0.5	3.3	3.1	94.	21.	
Pyrene		0.5	3.3	3.1	94.	9.2	
Trichlorobenzene		0.5	3.3	2.6	79.	0.	
4-Chloro-3-methylphenol		2.	6.7	5.2	78.	3.9	
2-Chlorophenol		2.	6.7	4.5	67.	0.	
4-Nitrophenol		2.	6.7	6.1	91.	0.	
Pentachlorophenol		2.	6.7	6.3	94.	4.7	
Phenol		2.	6.7	5.3	79.	5.8	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 01/26/94 by ME

01/31/94 MSD2/2N64B DT/et/dez JK0210-8

Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

WEYERHAEUSER PAPER COMPANY SOIL SAMPLE ANALYTICAL RESULTS "FUEL FINGERPRINT IN AIR" January 1994 all values in PPB by volume

SAMPLE ID	ТРН	BENZENE	TOLUENE	XYLENES	ETHYL BENZENE
B-4, 5.5'	9,700	ND.	12	440	160
B-MW8, 7'	ND	ND	ND.	ND	ND
B-MW10, 5'	34,000	970	130	620	150
B-MW10, 9'	5,700	ND	1.2	100	35
MW-9, 5'	17,000	ND	70	370	60
MW-9, 9'	6,000	180	50	300	280
NORTH END WALL	ND	ND	ND	250	40

NOTES

ND: Not Detected (Minimum detection limit specified on original laboratory report forms)

PPB: Parts Per Billion

Analysis by EPA test method TO-14



West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

SoCal Division (Camarillo Laboratory) 4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353 FAX (805) 389-1438

Lab Number: CK-0562-1

Project

: Weyerhaeuser Alameda

Analyzed : 02/07/94

Analyzed by: EJ

Method

: EPA TO-14

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	SAMPLED BY Brian West		E RECEIVED
JK0144-7 B-4 5.5'	Air	Brian			02/04/94
CONSTITUENT		ppm√ *PQL	RESULT ppmv	RESULT mg/cu M	NOIE
FUEL FINGERPRINT in AIR					1,2
Benzene		0.02	ND	ND	_,_
Toluene		0.02	3.2	12.	
Ethylbenzene		0.02	37.	160.	
Xylenes		0.02	100.	440.	
Ethylene Dichloride		0.02	ND	ND	
Ethylene Dibromide		0.01	ND	ND	
Total Fuel (non-methane hydrocarbons)		1.	9700.	34000	

Lab Certifications: CAELAP #1598 & #1783; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Concentrations in ug/cu M reported at 760 mm Hg pressure and 298 deg. K.

(2) Run headspace at 95 degree C.

02/14/94 MS2/2P39E GD/ge MS2*A

Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Gesheng Dai



COAST-TO-COAST ANALYTICAL SERVICES, INC.

SoCal Division (Camarillo Laboratory)
4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353 FAX (805) 389-1438

Lab Number: CK-0713-2

Project : Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: EJ

Method : EPA TO-14

Vacaville, CA 95688

West & Associates Env. Engineers

112 Pepperell Court

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	SAMPLED BY Brian West		E RECEIVED
(JK-0144-9) MW-8 7'	Soil	Brian			01/14/94
CONSTITUENT		*PQL ppbv	RESULT ppbv	RESULT μg/cu M	NOTE
FUEL FINGERPRINT in AIR					1,2
Benzene		20.	ND	ND	
Toluene		20.	ND	ND	
Ethylbenzene		20.	ND	ND	
Xylenes		20.	ND	ND	
Ethylene Dichloride		20.	ИD	ND	
Ethylene Dibromide		10.	ND	ND	
Total Fuel (non-methane hydrocarbons)		1000.	ND	ND	

Lab Certifications: CAELAP #1598 & #1783; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187

- (1) Concentrations in ug/cu M reported at 760 mm Hg pressure and 298 deg. K.
- (2) Run headspace at 95 degree C.

02/17/94 MS2/2P65E GD/ge MS2*A Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Gesheng Dai, Ph.D.

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



West & Associates Env. Engineers

112 Pepperell Court

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COAST-TO-COAST ANALYTICAL SERVICES, INC.

SoCal Division (Camarillo Laboratory)
4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353 FAX (805) 389-1438

Lab Number : CK-0713-5

Project : Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: EJ
Method : EPA TO-14

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	D BY	SAMPLED DATE	E RECEIVED
(JK-0144-12) MW-10 5'	Soil	Soil Brian West		01/13/94	01/14/94
CONSTITUENT		ppbv *PQL	RESULT ppbv	RESULT μg/cu M	NOTE
FUEL FINGERPRINT in AIR					1,2
Benzene		20.	970.	3100.	
Toluene		20.	130.	500.	
Ethylbenzene		20.	150.	670.	
Xylenes		20.	620.	2700.	
Ethylene Dichloride		20.	ND	ND	
Ethylene Dibromide		10.	ND	ND	
Total Fuel (non-methane hydrocarbons)		1000.	34000.	120000	

Lab Certifications: CAELAP #1598 & #1783; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Concentrations in ug/cu M reported at 760 mm Hg pressure and 298 deg. K.

(2) Run headspace at 95 degree C.

02/17/94 MS2/2P68E GD/ge MS2*A

Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Gesheng Dai, Ph.D.



West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

SoCal Division (Camarillo Láboratory) 4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353 FAX (805) 389-1438

Lab Number: CK-0562-2

Project : Weyerhaeuser Alameda

Analyzed : 02/07/94

Method : EPA TO-14

Analyzed by: EJ

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	SAMPLED BY Brian West		E RECEIVED
JK0144-13 MW-10 9'	Air	Brian			02/04/94
CONSTITUENT B-10		*PQL	RESULT ppmv	RESULT	NOTE
FUEL FINGERPRINT in AIR					1,2
Benzene		0.02	ND	ND	-,-
Toluene		0.02	1.2	4.5	
Ethylbenzene		0.02	35.	150.	
Xylenes		0.02	100.	440.	
Ethylene Dichloride		0.02	ND	ND	
Ethylene Dibromide		0.01	ND	ND	
Total Fuel (non-methane hydrocarbo	ns)	1.	5700.	20000	

Lab Certifications: CAELAP #1598 & #1783; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187

- *RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
- (1) Concentrations in ug/cu M reported at 760 mm Hg pressure and 298 deg. K.

(2) Run headspace at 95 degree C.

02/14/94 MS2/2P40E GD/ge MS2*A

Respectfully submitted,

COAST-TQ-COAST ANALYTICAL SERVICES, INC.

Gesheng Dai, Ph.D.



SoCal Division (Camarillo Laboratory)
4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353 FAX (805) 389-1438

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688 Lab Number : CK-0713-3

Project : Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: EJ

Method : EPA TO-14

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	ED BY	SAMPLED DATE RECEIVED		
(JK-0144-10) MW-9 5'	Soil	Brian	West	01/13/94	01/14/94	
CONSTITUENT		*PQL	RESULT ppbv	RESULT µg/cu M	NOIE	
FUEL FINGERPRINT in AIR					1,2	
Benzene		20.	ND	ND		
Toluene		20.	70.	270.		
Ethylbenzene		20.	60.	250.		
Xylenes		20.	370.	1600.		
Ethylene Dichloride		20.	ND	ND		
Ethylene Dibromide		10.	ND	ND		
Total Fuel (non-methane hydrocarbons)		1000.	17000.	60000		

Lab Certifications: CAELAP #1598 & #1783; UIELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Concentrations in ug/cu M reported at 760 mm Hg pressure and 298 deg. K.

(2) Run headspace at 95 degree C.

02/17/94 MS2/2P66E GD/ge MS2*A

Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Gesheng Dai, Ph.D.

Air Toxics Group Deader



SoCal Division (Camarillo Laboratory)
4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353 FAX (805) 389-1438

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688 Lab Number : CK-0713-4

Project : Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: EJ

Method : EPA TO-14

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	D BY	SAMPLED DATE RECEIVED		
(JK-0144-11) MW-9 9'	Soil	Brian	West	01/13/94	01/14/94	
CONSTITUENT		*PQL	RESULT ppbv	RESULT μg/cu M	NOTE	
FUEL FINGERPRINT in AIR					1,2	
Benzene		20.	180.	590.	·	
Toluene		20.	50.	170.		
Ethylbenzene		20.	280.	1200.		
Xylenes		20.	300.	1300.		
Ethylene Dichloride		20.	ND	ND		
Ethylene Dibromide		10.	ND	ND		
Total Fuel (non-methane hydrocarbons)		1000.	6000.	22000		

Lab Certifications: CAELAP #1598 & #1783; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187

- (1) Concentrations in ug/cu M reported at 760 mm Hg pressure and 298 deg. K.
- (2) Run headspace at 95 degree C.

02/17/94 MS2/2P67E GD/ge MS2*A

Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Gesheng Dai, Ph.D.

Air Toxics Group Leader

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



SoCal Division (Camarillo Laboratory)
4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353 FAX (805) 389-1438

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688 Lab Number : CK-0713-1

Project : Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: EJ

Method : EPA TO-14

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	D BY	SAMPLED DATE	E RECEIVED
(JK-0144-8) North End Wall	Soil	Brian	West	01/13/94	01/14/94
CONSTITUENT		*PQL ppbv	RESULT ppbv	RESULT µg/cu M	NOTE
FUEL FINGERPRINT in AIR			<u></u>	··· · · ·	1,2
Benzene		20.	ND	ND	•
Toluene		20.	ND	ND	
Ethylbenzene		20.	40.	180.	
Xylenes		20.	250.	1100.	
Ethylene Dichloride		20.	ND	ND	
Ethylene Dibromide		10.	ND	ND	
Total Fuel (non-methane hydrocarbons)		1000.	ND	ND	

Lab Certifications: CAELAP #1598 & #1783; UIELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187

- (1) Concentrations in ug/cu M reported at 760 mm Hg pressure and 298 deg. K.
- (2) Run headspace at 95 degree C.

02/17/94 MS2/2P64E GD/ge MS2*A

Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Gesheng Dai, Ph.D.

Air Toxics Group Leader

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



SoCal Division (Camarillo Laboratory) 4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353 FAX (805)389-1438

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 02/07/94

Analyzed by: YL

Method

: EPA TO-14

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REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED			
INSTRUMENT BLANK	Air					
CONSTITUENT		(CAS RN)	*PQL μg/cu M	RESULT μg/cu M	NOTE	
FUEL FINGERPRINT in AIR			**		1	
Benzene		(71432)	50.	ND		
Toluene		(108883)	100.	ND		
Ethylbenzene		(100411)	100.	ND		
Xylenes			100.	ND		
Ethylene Dichloride		(107062)	100.	ND		
Ethylene Dibromide		(106934)	100.	ND		
Total Fuel (non-methane hydrocarbons)			4000.	ND		

Lab Certifications: CAELAP #1598 & #1783; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187 *RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Concentrations in ug/cu M reported at 760 mm Hg pressure and 298 deg. K.

02/14/94 MS2/2P36E GD/ge CK9402-7

Respectfully submitted,

COAST-TQ-COAST ANALYTICAL SERVICES, INC.

Gesheng Dai Ph.D.

Air Toxics Group Leader



SoCal Division (Camarillo Laboratory)
4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353 FAX (805) 389-1438

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 02/07/94

Analyzed by: EJ

Method : EPA TO-14

QC SPIKE

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED B	Υ	SAMPLED DATE RECEIVED			
QC SPIKE	Air						
CONSTITUENT		*PQL μg/cu M	SPIKE AMOUNT	RESULT µg/cu M	%REC	NOTE	
FUEL FINGERPRINT in AIR						1,2	
Benzene		50.	7100.	7700.	108.	,-	
Toluene		100.	28000.	29000.	104.		
Ethylbenzene		100.	3200.	3300.	103.		
Xylenes		100.	19000.	19000.	100.		
Ethylene Dichloride		100.	5500.	5800.	105.		
Ethylene Dibromide		100.	4100.	4500.	110.		
Total Fuel (non-methane hydrocarbons)		4000.	230000.	260000	113.		

Lab Certifications: CAELAP #1598 & #1783; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187 *RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) Concentrations in ug/cu M reported at 760 mm Hg pressure and 298 deg. K.
- (2) Zero Air spiked with premium unleaded gasoline.

02/14/94 MS2/2P37E GD/ge CK9402-7 Respectfully submitted,

COAST-TO/COAST ANALYTICAL SERVICES, INC.

Gesheng Dai, Ph.D.

Air Toxics Group Leader



SoCal Division (Camarillo Laboratory)
4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353 FAX (805) 389-1438

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 02/15/94

Analyzed by: EJ

Method: EPA TO-14

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REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED			
INSTRUMENT BLANK	Air			<u> </u>		
CONSTITUENT		(CAS RN)	*PQL μg/cu M	RESULT μg/cu M	NOTE	
FUEL FINGERPRINT in AIR					1	
Benzene		(71432)	50.	ND		
Toluene		(108883)	100.	ND		
Ethylbenzene		(100411)	100.	ND		
Xylenes			100.	ND		
Ethylene Dichloride		(107062)	100.	ND		
Ethylene Dibromide		(106934)	100.	ND		
Total Fuel (non-methane hydrocar	rbons)		4000.	ND		

Lab Certifications: CAELAP #1598 & #1783; UTELAP #E-142; AZELAP #AZO162; A2LA #0136-01; L.A.Co.CSD #10187 *RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Concentrations in ug/cu M reported at 760 mm Hg pressure and 298 deg. K.

02/16/94 MS2/2P61E GD/ge CK9402-15

Respectfully submitted,

COAST-TO/COAST ANALYTICAL SERVICES, INC.

Gesheng Dai, Ph.D.

Air Toxics Group Leader



SoCal Division (Camarillo Laboratory) 4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353 FAX (805)389-1438

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 02/15/94

Analyzed by: EJ

Method : EPA TO-14

QC SPIKE

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED B	Y	SAMPLED DATE RECEIVED			
QC SPIKE	Air				<u></u>		
CONSTITUENT		*PQL μg/cu M	SPIKE AMOUNT	RESULT μg/cu M	*REC	NOIE	
FUEL FINGERPRINT in AIR					<u></u>	1,2	
Benzene		50.	7100.	6900.	97.		
Toluene		100.	28000.	25000.	89.		
Ethylbenzene		100.	3200.	2900.	91.		
Xylenes		100.	19000.	17000.	89.		
Ethylene Dichloride		100.	5500.	5300.	96.		
Ethylene Dibromide		100.	4100.	3400.	83.		
Total Fuel (non-methane hydrocarbons)	4000.	230000.	190000	83.		

Lab Certifications: CAELAP #1598 & #1783; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187 *RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) Concentrations in ug/cu M reported at 760 mm Hg pressure and 298 deg. K.
- (2) Zero Air spiked with premium unleaded gasoline.

02/16/94 MS2/2P62E GD/ge CK9402-15

Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Gesheng Dai;

Air Toxics Grous Leader

COAST TO COAST ANALYTICAL SERVICES

4765 Calle Quetzal 7726 Moller Rd.

2059 Junction Ave.

141 Suburban Road 2400 Cumberland Dr.

Camarillo, CA 93012

Indianapolis, IN 46268 San Jose, CA 95131 San Luis Obispo, CA 93401 Valparaiso, IN 46383

(317) 875-5894 (408) 955-9077 (805) 547-3888 (219) 464-2389

(800, 389-1353

FAX (805) 389-1438 FAX (317) 872-6189

FAX (408) 955-9078 FAX (805) 543-2685 FAX (219) 462-2953

Chain of Cotody

Page __/_ of __2_

PLEASE P	PRINT IN PEN	340 County	Road No. 5	• 1	Westbrook, M	E 04092	•	(207) 8	874-2400	FAX (20)	7) 775-4029						
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`	1W-4		2-3 AM														- 100 mg
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COAST ANALYT SERVICES

4765 Calle Quetzal 7726 Moller Rd. 2059 Junction Ave. 141 Suburban Road 2400 Cumberland Dr.

Camarillo; CA 93012 Indianapolis, IN 46268 San Jose, CA 95131 San Luis Obispo, CA 93401 Valparaiso, IN 46383

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FAX (805) 389-1438 FAX (317) 872-6189 FAX (408) 955-9078 FAX (805) 543-2685 FAX (219) 462-2953

Chain of Custody

• PLEASE PRINT IN PEN	10 County Road No. 5 • V	/estbrook, ME 04092 •	(207) 874-2400 FAX (207) 775-4029		
Client West & A	ssociates E	ngineers Con	ntact Brian West	Phone # 451-/3	FAX#
Address //2 Pe	pperell Ct	City Vacavil	le State	C/A	Zip 9 568 8
Luciect Name/Mnuber 1		Alameda		Project MGI	B WEST
Bill (It different:than above)	C 1000	Address	,		
Sampler (Print and sign). BU	W Brian C	Vas	Due Date Standard Circle for RUSH	Copies To:	Auth. Init.
Sample Description		#of Filt: Containers Pres: y/n	* Subject to Availa Analysis	•	Remarks Lab ID #
MW-10	2-3 AMGW	6 He, E	PA 624 + TPH; EPA Am 17 metals; (625 oil & arease	
MW-10 MW-11	2-3 AM	6	//		
QC	2-3 AM V	3 V Z	PA 624 + TA) H	
				ļ	
Relinquished By	Date/Time ₄	Received By	Relinquished By	Date/Time	Received By
Branklow	x 2-4-94				
	Shipping # A Dec Re	ceived By:	Date/Time: Condition (See Remarks)	* Matrix:
O HAND CAFry	Whel	lie Heyl 2		Sealed Intact	* Matrix: DW:- Drinking Water WW:- Wastewater GW:- Groundwater
REMARKS			<u> </u>	/ / / / / /	SW - Surface Water IM - Impinger FI - Filter
3					FP • Free Product
69				· · · · · · · · · · · · · · · · · · ·	A/G - Alr/Gas: SL - Sludge/Soil/Solid OT - Other

CLIENT

WEYERHAEUSER ALAMEDA PETROLEUM CONTAMINATION ANALYSES - GROUNDWATER FEBRUARY 1994 All Values in ug/l

WELL ID	OIL & GREASE	TPH (diesel)	TPH (gas)	BENZENE	TOLUENE	XYLENES	ETHYL BENZENE
MW-1	ND	ND	ND	1.5	ND	ND	ND
MW-2	ND	ND	200	390	25	50	7.1
MW-3	ND	ND	5400	3900	680	840	390:
MW-4	ND	ND	1000	54	2.7	4.7	1.4
MW-5	ND	ND	ND	1.8	ND	ND	ND
MW-6	ND	ND	ND	2.6	ND	ND	ND
MW-7	ND.	ND	ND	ND	ND	ND	ND
MW-9	ND	ND	1,900	63	4.3	14	22
MW-10	ND	ND	ND	ND:	ND	ND	ND
MW-11	ND	ND	ND	ND	ND	ND	ND
QC	ND	ND	ND	ND	ND	ND:	ND

NOTES

ND: Not Detected, Minimum detection limits for each compound listed on original laboratory report forms

WEYERHAEUSER ALAMEDA VOLATILE ORGANIC ANALYSIS - GROUNDWATER FEBRUARY 1994

WELL IDENITIFICATION	COMPOUND	CONCENTRATION ug/l
MW-1	CARBON DISULFIDE	3.4 C.
	1,1-DICHOLORETHANE	2,5

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
MW-2	CARBON DISULFIDE	9.2

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
	CARBON DISULFIDE	120
MW-3	1,1-DICHLOROETHANE	130
	CIS-1, 2- DICHLOROETHANE	95

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
	CARBON DISULFIDE	4.7
	CHLOROETHANE	The State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the S
	1,1 DICHLOROETHANE	
MW-4	TRANS-1,2- DICHLOROETHANE	18
	CIS-1,2- DICHLOROETHANE	18
	TRICHLOROETHANE	2 Julian

WELL IDENITIFICATION	COMPOUND	CONCENTRATION ug/l
MW-5	TETRACHLOROETHANE	
	1,1-DICHOLORETHANE	2.5

WEYERHAEUSER ALAMEDA, GROUNDWATER VOLATILE ORGANIC ANALYSIS, Page 2

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
	1,2-DICHLOROETHANE	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t
MW-6	1,1-DICHLOROETHANE	2,6
,	CIS-1,2- DICHLOROETHANE	2.1
	TETRACHLOROETHANE	1.3

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
	CHLOROETHANE	1.6
	1,1-DICHLOROETHANE	18
MW-7	1,2-DICHLOROETHANE	10
	CIS-1,2- DICHLOROETHANE	1.8
	TRICHLOROETHANE	2.0

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
	BROMODICHLOROETHANE	
QC	BROMOFORM	
	CHLOROFORM	Land of the sale of the sale of the sale of
	DIBROMOCHLOROMETHANE	6.2



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0396-1

CLIENT: Brian W. West : Weyerhaeuser Alameda West & Associates Env. Engineers

112 Pepperell Court Analyzed : 02/11/94 Vacaville, CA 95688 Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-1	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
VOLATILE ORGANIC COMPOUNDS					1
Acetone		(67641)	20.	ND	
Benzene		(71432)	1.	1.5	
Bromodichloromethane		(75274)	1.	ND	
Bromoform		(75252)	1.	ND	
Bromomethane		(74839)	1.	ND	
2-Butanone (MEK)		(78933)	10.	ND	
Carbon Disulfide		(75150)	2.	3.4	
Carbon Tetrachloride		(56235)	1.	ND	
Chlorobenzene		(108907)	1.	ND	
Chloroethane		(75003)	1.	ND	
2-Chloroethyl Vinyl Ether		(110758)	5.	ND	
Chloroform		(67663)	1.	ND	
Chloromethane		(74873)	1.	ND	
Dibromochloromethane		(124481)	1.	ND	
1,2-Dichlorobenzene		(95501)	1.	ND	
1,3-Dichlorobenzene		(541731)	1.	ND	
1,4-Dichlorobenzene		(106467)	1.	ND	
1,1-Dichloroethane		(75343)	1.	2.5	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021107B DT/et FIN2/021194W



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688 Lab Number : JK-0396-1

Project

: Weyerhaeuser Alameda

Analyzed : 02/11/94

Analyzed by: MM

Method

: E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	AMPLE DESCRIPTION MATRIX SAMPLED BY			SAMPLED DATE RECE	
MW-1	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
1,2-Dichloroethane		(107062)	1.	ND	
1,1-Dichloroethene		(75354)	1.	ND	
cis-1,2-Dichloroethene		(156592)	1.	ИD	
trans-1,2-Dichloroethene		(156605)	1.	ND	
1,2-Dichloropropane		(<i>7</i> 8875)	1.	NID	
cis-1,3-Dichloropropene		(100610105)	1.	ND	
trans-1,3-Dichloropropene		(10061026)	1.	ND	
Ethylbenzene		(100414)	1.	ИD	
2-Hexanone		(591786)	5.	ND	
Methyl Isobutyl Ketone (MIBK)		(108101)	5.	ND	
Methylene Chloride		(75092)	5.	ND	
Styrene		(100425)	1.	ND	
1,1,2,2-Tetrachloroethane		(79345)	1.	ND	
Tetrachloroethene		(127184)	1.	ND	
Toluene		(108883)	1.	ND	
1,1,1-Trichloroethane		(71556)	1.	ND	
1,1,2-Trichloroethane		(79005)	1.	ND	
Trichloroethene		(79016)	1.	ND	
Trichlorofluoromethane		(75694)	1.	ND	
Trichlorotrifluoroethane		(76131)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021107B DT/et FIN2/021194W



West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-1

Project

: Weyerhaeuser Alameda

Analyzed : 02/11/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-1	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Vinyl Acetate		(108054)	5.	ND	· ·
Vinyl Chloride		(75014)	1.	ND	
Xylenes (total)		(1330207)	1.	ND	
Total Petroleum Hydrocarbons (Gasoline)	<u> </u>		50.	ND	
Total Petroleum Hydrocarbons (Diesel)			50.	ND	
D4-DCA (% Surrogate Recovery #1)				91.	
D8-TOL (% Surrogate Recovery #2)				103.	
BFB (% Surrogate Recovery #3)				88.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021107B DT/et FIN2/021194W Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-2

Project

: Weyerhaeuser Alameda

Analyzed : 02/12/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-2	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	result µg/l	NOTE
VOLATILE ORGANIC COMPOUNDS					1
Acetone		(67641)	50.	ND	
Benzene		(71432)	2.	390.	
Bromodichloromethane		(75274)	2.	ND	
Bromoform		(75252)	2.	ND	
Bromomethane		(74839)	2.	ND	
2-Butanone (MEK)		(78933)	20.	ND	
Carbon Disulfide		(75150)	4.	9.2	
Carbon Tetrachloride		(56235)	2.	ND	
Chlorobenzene		(108907)	2.	ND	
Chloroethane		(75003)	2.	ND	
2-Chloroethyl Vinyl Ether		(110758)	10.	ND	
Chloroform		(67663)	2.	ND	
Chloromethane		(74873)	2.	ND	
Dibromochloromethane		(124481)	2.	ND	
1,2-Dichlorobenzene		(95501)	2.	ND	
1,3-Dichlorobenzene		(541731)	2.	ND	
1,4-Dichlorobenzene		(106467)	2.	ND	
1,1-Dichloroethane		(75343)	2.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021118B DT/et

FIN2/021194W



West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-2

Project : V

: Weyerhaeuser Alameda

Analyzed : 02/12/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-2	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	result µg/l	NOTE
1,2-Dichloroethane	· · · · · · · · · · · · · · · · · · ·	(107062)	2.	ND	
1,1-Dichloroethene		(75354)	2.	ND	
cis-1,2-Dichloroethene		(156592)	2.	ND	
trans-1,2-Dichloroethene		(156605)	2.	ND	
1,2-Dichloropropane		(7 8875)	2.	ND	
cis-1,3-Dichloropropene		(100610105)	2.	ND	
trans-1,3-Dichloropropene		(10061026)	2.	ND	
Ethylbenzene		(100414)	2.	7.1	
2-Hexanone		(591786)	10.	ND	
Methyl Isobutyl Ketone (MIBK)		(108101)	10.	ND	
Methylene Chloride		(75092)	10.	ND	
Styrene		(100425)	2.	ND	
1,1,2,2-Tetrachloroethane		(79345)	2.	ND	
Tetrachloroethene		(127184)	2.	ND	
Toluene		(108883)	2.	25.	
1,1,1-Trichloroethane		(71556)	2.	ND	
1,1,2-Trichloroethane		(79005)	2.	ND	
Trichloroethene		(79016)	2.	ND	
Trichlorofluoromethane		(75694)	2.	ND	
Trichlorotrifluoroethane		(76131)	10.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021118B DT/et FIN2/021194W



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688 Lab Number: JK-0396-2

Project

: Weyerhaeuser Alameda

Analyzed : 02/12/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	•	SAMPLED DATE	ERECEIVED
MW-2	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Vinyl Acetate		(108054)	10.	ND	
Vinyl Chloride		(75014)	2.	ND	
Xylenes (total)		(1330207)	2.	50.	
Total Petroleum Hydrocarbons (Gasoline	·)		100.	200.	
Total Petroleum Hydrocarbons (Diesel)			100.	ND	
D4-DCA (% Surrogate Recovery #1)				91.	
D8-TOL (% Surrogate Recovery #2)				102.	
BFB (% Surrogate Recovery #3)				90.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021118B DT/et FIN2/021194W Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-3

Project

: Weyerhaeuser Alameda

Analyzed : 02/11/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	<u> </u>	SAMPLED DATE	E RECEIVED
MW-3	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
VOLATILE ORGANIC COMPOUNDS					1
Acetone		(67641)	200.	ND	
Benzene		(71432)	20.	3900.	
Bromodichloromethane		(75274)	20.	ND	
Bromoform		(75252)	20.	ND	
Bromomethane		(74839)	20.	ND	
2-Butanone (MEK)		(78933)	200.	ND	
Carbon Disulfide		(75150)	30.	120.	
Carbon Tetrachloride		(56235)	20.	ND	
Chlorobenzene		(108907)	20.	ND	
Chloroethane		(75003)	20.	ND	
2-Chloroethyl Vinyl Ether		(110758)	90.	ND	
Chloroform		(67663)	20.	ND	
Chloromethane		(74873)	20.	ND	
Dibromochloromethane		(124481)	20.	ND	
1,2-Dichlorobenzene		(95501)	20.	ND	
1,3-Dichlorobenzene		(541731)	20.	ND	
1,4-Dichlorobenzene		(106467)	20.	ND	
1,1-Dichloroethane		(75343)	20.	130.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021109B DT/et FIN2/021194W



West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-3

Project

: Weyerhaeuser Alameda

Analyzed : 02/11/94

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Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	•	SAMPLED DATE	E RECEIVED
MW-3	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL μg/L	RESULT µg/L	NOTE
				——————————————————————————————————————	
1,2-Dichloroethane		(107062)	20.	ND	
1,1-Dichloroethene		(75354)	20.	ND	
cis-1,2-Dichloroethene		(156592)	20.	95.	
trans-1,2-Dichloroethene		(156605)	20.	ND	
1,2-Dichloropropane		(78875)	20.	ND	
cis-1,3-Dichloropropene		(100610105)	20.	ND	
trans-1,3-Dichloropropene		(10061026)	20.	ND	
Ethylbenzene		(100414)	20.	390.	
2-Hexanone		(591786)	90.	ND	
Methyl Isobutyl Ketone (MIBK)		(108101)	90.	ND	
Methylene Chloride		(75092)	90.	ND	
Styrene		(100425)	20.	ND	
1,1,2,2-Tetrachloroethane		(79345)	20.	ND	
Tetrachloroethene		(127184)	20.	ND	
Toluene		(108883)	20.	680.	
1,1,1-Trichloroethane		(71556)	20.	ND	
1,1,2-Trichloroethane		(79005)	20.	ND	
Trichloroethene		(79016)	20.	ND	
Trichlorofluoromethane		(75694)	20.	ND	
Trichlorotrifluoroethane		(76131)	90.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021109B DT/et FIN2/021194W



West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-3

Project

: Weyerhaeuser Alameda

Analyzed : 02/11/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	•	SAMPLED DATE	RECEIVED
MW-3	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Vinyl Acetate		(108054)	90.	ND	
Vinyl Chloride		(75014)	20.	ND	
Xylenes (total)		(1330207)	20.	840.	
Total Petroleum Hydrocarbons (Gasoline))	•	900.	5400.	
Total Petroleum Hydrocarbons (Diesel)			900.	ND	
D4-DCA (% Surrogate Recovery #1)				99.	
D8-TOL (% Surrogate Recovery #2)				104.	
BFB (% Surrogate Recovery #3)				99.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021109B DT/et FIN2/021194W Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0396-4

CLIENT: Brian W. West : Weyerhaeuser Alameda West & Associates Env. Engineers

112 Pepperell Court Analyzed : 02/11/94 Vacaville, CA 95688 Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
MW-4	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
VOLATILE ORGANIC COMPOUNDS					1
Acetone		(67641)	20.	ND	
Benzene		(71432)	1.	54.	
Bromodichloromethane		(75274)	1.	ND	
Bromoform		(75252)	1.	ND	
Bromomethane		(74839)	1.	ND	
2-Butanone (MEK)		(78933)	10.	ND	
Carbon Disulfide		(75150)	2.	4.7	
Carbon Tetrachloride		(56235)	1.	ND	
Chlcrobenzene		(108907)	1.	ND	
Chloroethane		(75003)	1.	1.9	
2-Chloroethyl Vinyl Ether		(110758)	5.	ND	
Chloroform		(67663)	1.	ND	
Chloromethane		(74873)	1.	ND	
Dibromochloromethane		(124481)	1.	ND	
1,2-Dichlorobenzene		(95501)	1.	ND	
1,3-Dichlorobenzene		(541731)	1.	ND	
1,4-Dichlorobenzene		(106467)	1.	ND	
1,1-Dichloroethane		(75343)	1.	22.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021110B DT/et FIN2/021194W



West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-4

Project :

: Weyerhaeuser Alameda

Analyzed : 02/11/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-4	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL μg/L	RESULT µg/L	NOTE
1,2-Dichloroethane		(107062)	1.	ND	
1,1-Dichloroethene		(75354)	1.	ND	
cis-1,2-Dichloroethene		(156592)	1.	18.	
trans-1,2-Dichloroethene		(156605)	1.	18.	
1,2-Dichloropropane		(78875)	1.	ND	
cis-1,3-Dichloropropene		(100610105)	1.	ND	
trans-1,3-Dichloropropene		(10061026)	1.	ND	
Ethylbenzene		(100414)	1.	1.4	
2-Hexanone		(591786)	5.	ND	
Methyl Isobutyl Ketone (MIBK)		(108101)	5.	ND	
Methylene Chloride		(75092)	5.	ND	
Styrene		(100425)	1.	ND	
1,1,2,2-Tetrachloroethane		(79345)	1.	ND	
Tetrachloroethene		(127184)	1.	ND	
Toluene		(108883)	1.	2.7	
1,1,1-Trichloroethane		(71556)	1.	ND	
1,1,2-Trichloroethane		(79005)	1.	ND	
Trichloroethene		(79016)	1.	2.1	
Trichlorofluoromethane		(75694)	1.	ND	
Trichlorotrifluoroethane		(76131)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021110B DT/et FIN2/021194W



West & Associates Env. Engineers

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COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-4

Project

: Weyerhaeuser Alameda

Analyzed : 02/11/94

Analyzed by: MM

Method

: E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-4	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Vinyl Acetate		(108054)	5.	ND	
Vinyl Chloride		(75014)	1.	ND	
Xylenes (total)		(1330207)	1.	4.7	
Total Petroleum Hydrocarbons (Gasoline)	•		50.	1000.	
Total Petroleum Hydrocarbons (Diesel)			50.	ND	
D4-DCA (% Surrogate Recovery #1)				93.	
D8-TOL (% Surrogate Recovery #2)				102.	
BFB (% Surrogate Recovery #3)				90.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021110B DT/et FIN2/021194W Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-5

Project

: Weyerhaeuser Alameda

Analyzed : 02/11/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-5	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
VOLATILE ORGANIC COMPOUNDS					1
Acetone		(67641)	20.	ND	
Benzene		(71432)	1.	1.8	
Bromodichloromethane		(75274)	1.	ND	
Bromoform		(75252)	1.	NID	
Bromomethane		(74839)	1.	ND	
2-Butanone (MEK)		(78933)	10.	ND	
Carbon Disulfide		(75150)	2.	ND	
Carbon Tetrachloride		(56235)	1.	ND	
Chlorobenzene		(108907)	1.	ND	
Chloroethane		(75003)	1.	ND	
2-Chloroethyl Vinyl Ether		(110758)	5.	ND	
Chloroform		(67663)	1.	ND	
Chloromethane		(74873)	1.	ND	
Dibromochloromethane		(124481)	1.	ND	
1,2-Dichlorobenzene		(95501)	1.	ND	
1,3-Dichlorobenzene		(541731)	1.	ND	
1,4-Dichlorobenzene		(106467)		ND	
1,1-Dichloroethane		(75343)	1.	11.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/02111B DT/et FIN2/021194W



West & Associates Env. Engineers

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COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-5

Project

: Weyerhaeuser Alameda

Analyzed : 02/11/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-5	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
1,2-Dichloroethane	1000	(107062)	1.	ND	
1,1-Dichloroethene		(75354)	1.	ND	
cis-1,2-Dichloroethene		(156592)	1.	ND	
trans-1,2-Dichloroethene		(156605)	1.	ND	
1,2-Dichloropropane		(78875)	1.	ND	
cis-1,3-Dichloropropene		(100610105)	1.	ND	
trans-1,3-Dichloropropene		(10061026)	1.	ND	
Ethylbenzene		(100414)	1.	ND	
2-Hexanone		(591786)	5.	ND	
Methyl Isobutyl Ketone (MIBK)		(108101)	5.	ND	
Methylene Chloride		(75092)	5.	ND	
Styrene		(100425)	1.	ND	
1,1,2,2-Tetrachloroethane		(79345)	1.	ND	
Tetrachloroethene		(127184)	1.	1.1	
Toluene		(108883)	1.	ND	
1,1,1-Trichloroethane		(71556)	1.	ND	
1,1,2-Trichloroethane		(79005)	1.	ND	
Trichloroethene		(79016)	1.	ND	
Trichlorofluoromethane		(75694)	1.	ND	
Trichlorotrifluoroethane		(76131)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/02111B DT/et FIN2/021194W



West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-5

Project

: Weyerhaeuser Alameda

Analyzed : 02/11/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-5	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL μg/L	RESULT µg/L	NOTE
Vinyl Acetate		(108054)	5.	ND	
Vinyl Chloride		(75014)	1.	ND	
Xylenes (total)		(1330207)	1.	ND	
Total Petroleum Hydrocarbons (Gasoline)			50.	ND	
Total Petroleum Hydrocarbons (Diesel)			50.	ND	
D4-DCA (% Surrogate Recovery #1)				87.	
D8-TOL (% Surrogate Recovery #2)				111.	
BFB (% Surrogate Recovery #3)				94.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/02111B DT/et FIN2/021194W Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-6

Project

: Weyerhaeuser Alameda

Analyzed : 02/11/94

Analyzed by: MM

Method

: E624/8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-6	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL μg/L	RESULT μg/L	NOTE
VOLATILE ORGANIC COMPOUNDS					1
Acetone		(67641)	20.	ND	
Benzene		(71432)	1.	2.6	
Bromodichloromethane		(75274)	1.	ND	
Bromoform		(75252)	1.	ND	
Bromomethane		(74839)	1.	ND	
2-Butanone (MEK)		(78933)	10.	ND	
Carbon Disulfide		(75150)	2.	ND	
Carbon Tetrachloride		(56235)	1.	ND	
Chlorobenzene	•	(108907)	1.	ND	
Chloroethane		(75003)	1.	ND	
2-Chloroethyl Vinyl Ether		(110758)	5.	ND	
Chloroform		(67663)	1.	ND	
Chloromethane		(74873)	1.	ND	
Dibromochloromethane		(124481)	1.	ND	
1,2-Dichlorobenzene		(95501)	1.	ND	
1,3-Dichlorobenzene		(541731)	1.	ND	
1,4-Dichlorobenzene		(106467)	1.	ND	
1,1-Dichloroethane		(75343)	1.	2.6	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021112B DT/et FIN2/021194W



West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-6

Project

: Weyerhaeuser Alameda

Analyzed : 02/11/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MM-6	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
1,2-Dichloroethane	- Maryar Anna -	(107062)	1.	1.1	
1,1-Dichloroethene		(75354)	1.	ND	
cis-1,2-Dichloroethene		(156592)	1.	2.1	
trans-1,2-Dichloroethene		(156605)	1.	ND	
1,2-Dichloropropane		(78875)	1.	ND	
cis-1,3-Dichloropropene		(100610105)	1.	ND	
trans-1,3-Dichloropropene		(10061026)	1.	ND	
Ethylbenzene		(100414)	1.	ND	
2-Hexanone		(591786)	5.	ND	
Methyl Isobutyl Ketone (MIBK)		(108101)	5.	ND	
Methylene Chloride		(75092)	5.	ND	
Styrene		(100425)	1.	ND	
1,1,2,2-Tetrachloroethane		(79345)	1.	ND	
Tetrachloroethene		(127184)	1.	1.3	
Toluene		(108883)	1.	ND	
1,1,1-Trichloroethane		(71556)	1.	ND	
1,1,2-Trichloroethane		(79005)	1.	ND	
Trichloroethene		(79016)	1.	ND	
Trichlorofluoromethane		(75694)	1.	ND	
Trichlorotrifluoroethane		(76131)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021112B DT/et FIN2/021194W



COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-6

Project

Method

: Weyerhaeuser Alameda

Analyzed : 02/11/94

Analyzed by: MM

: E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-6	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL μg/L	RESULT µg/L	NOTE
Vinyl Acetate		(108054)	5.	ND	
Vinyl Chloride		(75014)	1.	ND	
Xylenes (total)		(1330207)	1.	ND	
Total Petroleum Hydrocarbons (Gasoline))		50.	ND	
Total Petroleum Hydrocarbons (Diesel)			50.	ND	
D4-DCA (% Surrogate Recovery #1)				88.	
D8-TOL (% Surrogate Recovery #2)				102.	
BFB (% Surrogate Recovery #3)				87.	

San Jose Lab Certifications: CAELAP #1204

West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021112B DT/et FIN2/021194W Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-7

: Weyerhaeuser Alameda Project

Analyzed : 02/15/94

Analyzed by: MM

: E624/8240 Method

CLIENT: Brian W. West

West & Associates Env. Engineers 112 Pepperell Court

Vacaville, CA 95688

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEI	
MW-7	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
VOLATILE ORGANIC COMPOUNDS					1
Acetone		(67641)	20.	ND	
Benzene		(71432)	1.	ND	
Bromodichloromethane		(75274)	1.	ND	
Bromoform		(75252)	1.	ND	
Bromomethane		(74839)	1.	ND	
2-Butanone (MEK)		(78933)	10.	ND	
Carbon Disulfide		(75150)	2.	ND	
Carbon Tetrachloride		(56235)	1.	ND	
Chlorobenzene		(108907)	1.	ND	
Chloroethane		(75003)	1.	ND	
2-Chloroethyl Vinyl Ether		(110758)	5.	NTD	
Chloroform		(67663)	1.	ND	
Chloromethane		(74873)	1.	ND	
Dibromochloromethane		(124481)	1.	ND	
1,2-Dichlorobenzene		(95501)	1.	ND	
1,3-Dichlorobenzene		(541731)	1.	ND	
1,4-Dichlorobenzene		(106467)	1.	ND	
1,1-Dichloroethane		(75343)	1.	ND	

San Jose Lab Certifications: CAELAP #1204 *RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021504B DT/et FIN2/021594W



West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-7

Project : Weyerhaeuser Alameda

Analyzed : 02/15/94 Analyzed by: MM

Method : E624/8240

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REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-7	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
1,2-Dichloroethane		(107062)	1.	ND	
1,1-Dichloroethene		(75354)	1.	ND	
cis-1,2-Dichloroethene		(156592)	1.	ND	
trans-1,2-Dichloroethene		(156605)	1.	ND	
1,2-Dichloropropane		(78875)	1.	ND	
cis-1,3-Dichloropropene		(100610105)	1.	ND	
trans-1,3-Dichloropropene		(10061026)	1.	ND	
Ethylbenzene		(100414)	1.	ND	
2-Hexanone		(591786)	5.	ND	
Methyl Isobutyl Ketone (MIBK)		(108101)	5.	ND	
Methylene Chloride		(75092)	5.	ND	
Styrene		(100425)	1.	ND	
1,1,2,2-Tetrachloroethane		(79345)	1.	ND	
Tetrachloroethene		(127184)	1.	ND	
Toluene		(108883)	1.	ND	
1,1,1-Trichloroethane		(71556)	1.	ND	
1,1,2-Trichloroethane		(79005)	1.	ND	
Trichloroethene		(79016)	1.	ND	
Trichlorofluoromethane		(75694)	1.	ND	
Trichlorotrifluoroethane		(76131)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021504B DT/et FIN2/021594W



West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-7

Project

: Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-7	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Vinyl Acetate		(108054)	5.	ND	
Vinyl Chloride		(75014)	1.	ND	
Xylenes (total)		(1330207)	1.	ND	
Total Petroleum Hydrocarbons (Gasoline)	+		50.	ND	
Total Petroleum Hydrocarbons (Diesel)			50.	ND	
D4-DCA (% Surrogate Recovery #1)				101.	
D8-TOL (% Surrogate Recovery #2)				95.	
BFB (% Surrogate Recovery #3)				97.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021504B DT/et FIN2/021594W Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-8

Project : Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-9	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	result µg/l	NOTE
VOLATILE ORGANIC COMPOUNDS					1
Acetone		(67641)	20.	ND	
Benzene		(71432)	1.	63.	
Bromodichloromethane		(75274)	1.	ND	
Bromoform		(75252)	1.	ND	
Bromomethane		(74839)	1.	ND	
2-Butanone (MEK)		(78933)	10.	ND	
Carbon Disulfide		(75150)	2.	ND	
Carbon Tetrachloride		(56235)	1.	ND	
Chlorobenzene		(108907)	1.	ND	
Chloroethane		(75003)	1.	1.6	
2-Chloroethyl Vinyl Ether		(110758)	5.	ND	
Chloroform		(67663)	1.	ND	
Chloromethane		(74873)	1.	ND	
Dibromochloromethane		(124481)	1.	ND	
1,2-Dichlorobenzene		(95501)	1.	ND	
1,3-Dichlorobenzene		(541731)	1.	ND	
1,4-Dichlorobenzene		(106467)	1.	ND	
1,1-Dichloroethane		(75343)	1.	18.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021505B DT/et FIN2/021594W



West & Associates Env. Engineers

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Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-8

Project

: Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL	RESULT	NOTE
			μg/L	μg/L	
1,2-Dichloroethane		(107062)	1.	10.	_
1,1-Dichloroethene		(75354)	1.	ND	
cis-1,2-Dichloroethene		(156592)	1.	7.9	
trans-1,2-Dichloroethene		(156605)	1.	ND	
1,2-Dichloropropane		(78875)	1.	ND	
cis-1,3-Dichloropropene		(100610105)	1.	ND	
trans-1,3-Dichloropropene		(10061026)	1.	ND	
Ethylbenzene		(100414)	1.	22.	
2-Hexanone		(591786)	5.	ND	
Methyl Isobutyl Ketone (MIBK)		(108101)	5.	ND	
Methylene Chloride		(75092)	5.	ND	
Styrene		(100425)	1.	ND	
1,1,2,2-Tetrachloroethane		(79345)	1.	ND	
Tetrachloroethene		(127184)	1.	ND	
Toluene		(108883)	1.	4.3	
1,1,1-Trichloroethane		(71556)	1.	ND	
1,1,2-Trichloroethane		(79005)	1.	ND	
Trichloroethene		(79016)	1.	2.0	
Trichlorofluoromethane		(75694)	1.	ND	
Trichlorotrifluoroethane		(76131)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021505B DT/et FIN2/021594W



COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-8

Project

: Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: MM

Method

: E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY Brian West		SAMPLED DATE RECEIVE	
MW-9	Groundwater			02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*P Q L µg/L	RESULT µg/L	NOTE
Vinyl Acetate		(108054)	5.	ND	
Vinyl Chloride		(75014)	1.	ND	
Xylenes (total)		(1330207)	1.	14.	
Total Petroleum Hydrocarbons (Gasoline)			50.	1900.	
Total Petroleum Hydrocarbons (Diesel)			50.	ND	
D4-DCA (% Surrogate Recovery #1)				108.	
D8-TOL (% Surrogate Recovery #2)				100.	
BFB (% Surrogate Recovery #3)				107.	

San Jose Lab Certifications: CAELAP #1204

West & Associates Env. Engineers

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Vacaville, CA 95688

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021505B DT/et FIN2/021594W Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



West & Associates Env. Engineers

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COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0396-9

Project

: Weyerhaeuser Alameda

Analyzed : 02/12/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX SAMPLED			SAMPLED DATE	RECEIVED	
MW-10	Groundwater	Brian West		02/03/94	02/04/94	
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
VOLATILE ORGANIC COMPOUNDS					1	
Acetone		(67641)	20.	ND		
Benzene		(71432)	1.	ND		
Bromodichloromethane		(75274)	1.	ND		
Bromoform		(75252)	1.	ND		
Bromomethane		(74839)	1.	ND		
2-Butanone (MEK)		(78933)	10.	ND		
Carbon Disulfide		(75150)	2.	ND		
Carbon Tetrachloride		(56235)	1.	ND		
Chlorobenzene		(108907)	1.	ND		
Chloroethane		(75003)	1.	ND		
2-Chloroethyl Vinyl Ether		(110758)	5.	ND		
Chloroform		(67663)	1.	ND		
Chloromethane		(74873)	1.	ND		
Dibromochloromethane		(124481)	1.	ND		
1,2-Dichlorobenzene		(95501)	1.	ND		
1,3-Dichlorobenzene		(541731)	1.	ND		
1,4-Dichlorobenzene		(106467)	1.	ND		
1,1-Dichloroethane		(75343)	1.	ND		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021115B DT/et FIN2/021194W



West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-9

Project :

: Weyerhaeuser Alameda

Analyzed : 02/12/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-10	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
1,2-Dichloroethane		(107062)	1.	ND	
1,1-Dichloroethene		(75354)	1.	ND	
cis-1,2-Dichloroethene		(156592)	1.	ND	
trans-1,2-Dichloroethene		(156605)	1.	ND	
1,2-Dichloropropane		(78875)	1.	ND	
cis-1,3-Dichloropropene		(100610105)	1.	ND	
trans-1,3-Dichloropropene		(10061026)	1.	ND	
Ethylbenzene		(100414)	1.	ND	
2-Hexanone		(591786)	5.	ND	
Methyl Isobutyl Ketone (MIBK)		(108101)	5.	ND	
Methylene Chloride		(75092)	5.	ND	
Styrene		(100425)	1.	ND	
1,1,2,2-Tetrachloroethane		(79345)	1.	ND	
Tetrachloroethene		(127184)	1.	ND	
Toluene		(108883)	1.	ND	
1,1,1-Trichloroethane		(71556)	1.	ND	
1,1,2-Trichloroethane		(79005)	1.	ND	
Trichloroethene		(79016)	1.	ND	
Trichlorofluoromethane		(75694)	1.	ND	
Trichlorotrifluoroethane		(76131)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021115B DT/et FIN2/021194W



COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0396-9

Project : Weyerhaeuser Alameda

Analyzed : 02/12/94 Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-10	Groundwater	Brian West	"	02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Vinyl Acetate		(108054)	5.	ND	
Vinyl Chloride		(75014)	1.	ND	
Xylenes (total)		(1330207)	1.	ND	
Total Petroleum Hydrocarbons (Gasoline))		50.	ND	
Total Petroleum Hydrocarbons (Diesel)			50.	ND	
D4-DCA (% Surrogate Recovery #1)				90.	
D8-TOL (% Surrogate Recovery #2)				111.	
BFB (% Surrogate Recovery #3)				91.	

San Jose Lab Certifications: CAELAP #1204

West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021115B DT/et FIN2/021194W Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688 Lab Number : JK-0396-10

Project

: Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED	
MW-11	Groundwater	Brian West		02/03/94	02/04/94	
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
VOLATILE ORGANIC COMPOUNDS	***************************************			<u>.</u>	1	
Acetone		(67641)	20.	ND		
Benzene		(71432)	1.	ND		
Bromodichloromethane		(75274)	1.	ND		
Bromoform		(75252)	1.	ND		
Bromomethane		(74839)	1.	ND		
2-Butanone (MEK)		(78933)	10.	ND		
Carbon Disulfide		(75150)	2.	ND		
Carbon Tetrachloride		(56235)	1.	ND		
Chlorobenzene		(108907)	1.	ND		
Chloroethane		(75003)	1.	ND		
2-Chloroethyl Vinyl Ether		(110758)	5.	ND		
Chloroform		(67663)	1.	ND		
Chloromethane		(74873)	1.	ND		
Dibromochloromethane		(124481)	1.	ND		
1,2-Dichlorobenzene		(95501)	1.	ND		
1,3-Dichlorobenzene		(541731)	1.	ND		
1,4-Dichlorobenzene		(106467)	1.	ND		
1,1-Dichloroethane		(75343)	1.	ND		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021506B DT/et FIN2/021594W



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688 Lab Number: JK-0396-10

Project : Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
MW-11.	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
1,2-Dichloroethane		(107062)	1.	ND	
1,1-Dichloroethene		(75354)	1.	ND	
cis-1,2-Dichloroethene		(156592)	1.	ND	
trans-1,2-Dichloroethene		(156605)	1.	ND	
1,2-Dichloropropane		(78875)	1.	ND	
cis-1,3-Dichloropropene		(100610105)	1.	ND	
trans-1,3-Dichloropropene		(10061026)	1.	ND	
Ethylbenzene		(100414)	1.	ND	
2-Hexanone		(591786)	5.	ND	
Methyl Isobutyl Ketone (MIBK)		(108101)	5.	ND	
Methylene Chloride		(75092)	5.	ND	
Styrene		(100425)	1.	NID	
1,1,2,2-Tetrachloroethane		(79345)	1.	ND	
Tetrachloroethene		(127184)	1.	ND	
Toluene		(108883)	1.	ND	
1,1,1-Trichloroethane		(71556)	1.	ND	
1,1,2-Trichloroethane		(79005)	1.	ND	
Trichloroethene		(79016)	1.	ND	
Trichlorofluoromethane		(75694)	1.	ND	
Trichlorotrifluoroethane		(76131)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021506B DT/et FIN2/021594W



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688 Lab Number : JK-0396-10

Project

: Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-11	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Vinyl Acetate		(108054)	5.	ND	
Vinyl Chloride		(75014)	1.	ND	
Xylenes (total)		(1330207)	1.	ND	
Total Petroleum Hydrocarbons (Gasoline)			50.	ND	
Total Petroleum Hydrocarbons (Diesel)			50.	ND	
D4-DCA (% Surrogate Recovery #1)				98.	
D8-TOL (% Surrogate Recovery #2)				99.	
BFB (% Surrogate Recovery #3)				104.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021506B DT/et FIN2/021594W Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



West & Associates Env. Engineers

112 Pepperell Court

Vacaville, CA 95688

COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number : JK-0396-11

Project : Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATI	E RECEIVED
<u></u>	Aqueous	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	#PQL μg/L	RESULT µg/L	NOTE
VOLATILE ORGANIC COMPOUNDS					1
Acetone		(67641)	20.	ND	
Benzene		(71432)	1.	ND	
Bromodichloromethane		(75274)	1.	11.	
Bromoform		(75252)	1.	1.1	
Bromomethane		(74839)	1.	ND	
2-Butanone (MEK)		(78933)	10.	ND	
Carbon Disulfide		(75150)	2.	ND	
Carbon Tetrachloride		(56235)	1.	ND	
Chlorobenzene		(108907)	1.	ND	
Chloroethane		(75003)	1.	ND	
2-Chloroethyl Vinyl Ether		(110758)	5.	ND	
Chloroform		(67663)	1.	17.	
Chloromethane		(74873)	1.	ND	
Dibromochloromethane		(124481)	1.	6.2	
1,2-Dichlorobenzene		(95501)	1.	ND	
1,3-Dichlorobenzene		(541731)	1.	ND	
1,4-Dichlorobenzene		(106467)	1.	ND	
1,1-Dichloroethane		(75343)	1.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021507B DT/et FIN2/021594W



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688 Lab Number : JK-0396-11

Project

: Weyerhaeuser Alameda

Analyzed : 02/15/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
δc	Aqueous	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL μg/L	RESULT µg/L	NOTE
1,2-Dichloroethane		(107062)	1.	ND	
1,1-Dichloroethene		(75354)	1.	ND	
cis-1,2-Dichloroethene		(156592)	1.	ND	
trans-1,2-Dichloroethene		(156605)	1.	MD	
1,2-Dichloropropane		(78875)	1.	ND	
cis-1,3-Dichloropropene		(100610105)	1.	ND	
trans-1,3-Dichloropropene		(10061026)	1.	ND	
Ethylbenzene		(100414)	1.	ND	
2-Hexanone		(591786)	5.	ND	
Methyl Isobutyl Ketone (MIBK)		(108101)	5.	ND	
Methylene Chloride		(75092)	5.	ND	
Styrene		(100425)	1.	ND	
1,1,2,2-Tetrachloroethane		(79345)	1.	ND	
Tetrachloroethene		(127184)	1.	ND	
Toluene		(108883)	1.	ND	
1,1,1-Trichloroethane		(71556)	1.	NID	
1,1,2-Trichloroethane		(79005)	1.	ND	
Trichloroethene		(79016)	1.	ND	
Trichlorofluoromethane		(75694)	1.	ND	
Trichlorotrifluoroethane		(76131)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021507B DT/et FIN2/021594W



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688 Lab Number : JK-0396-11

Project

: Weyerhaeuser Alameda

· • ·

Analyzed : 02/15/94

Analyzed by: MM

Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	E RECEIVED
QC .	Aqueous	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Vinyl Acetate		(108054)	5.	ND	
Vinyl Chloride		(75014)	1.	ND	
Xylenes (total)		(1330207)	1.	ND	
Total Petroleum Hydrocarbons (Gasol	.ine)		50.	ND	
Total Petroleum Hydrocarbons (Diese	1)		50.	ND	
D4-DCA (% Surrogate Recovery #1)				98.	
D8-TOL (% Surrogate Recovery #2)				98.	
BFB (% Surrogate Recovery #3)				103.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/15/94 FIN2/021507B DT/et FIN2/021594W Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: FIN2/021194W

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 02/11/94

Analyzed by: MM

Method : E624/8240

METHOD BLANK

REPORT OF ANALYTICAL RESULTS

Page 1 of 2

SAMPLE DESCRIPTION	E DESCRIPTION MATRIX SAMPLED BY		SAMPLED DATE RECEIVED			
METHOD BLANK	Aqueous		=======================================			
CONSTITUENT		(CAS RN)	*PQL µg/L	result µg/l	NOTE	
VOLATILE ORGANIC COMPOUNDS					1	
Acetone		(67641)	20.	ND		
Benzene		(71432)	1.	ND		
Bromodichloromethane		(75274)	1.	ND		
Bromoform		(75252)	1.	ND		
Bromomethane		(74839)	1.	ND		
2-Butanone (MEK)		(78933)	10.	ND		
Carbon Disulfide		(75150)	2.	ND		
Carbon Tetrachloride		(56235)	1.	ND		
Chlorobenzene		(108907)	1.	ND		
Chloroethane		(75003)	1.	ND		
2-Chloroethyl Vinyl Ether		(110758)	5.	ND		
Chloroform		(67663)	1.	ND		
Chloromethane		(74873)	1.	ND		
Dibromochloromethane		(124481)	1.	ND		
1,2-Dichlorobenzene		(95501)	1.	ND		
1,3-Dichlorobenzene		(541731)	1.	ND		
1,4-Dichlorobenzene		(106467)	1.	МD		
1,1-Dichloroethane		(75343)	1.	ND		
1,2-Dichloroethane		(107062)	1.	ND		
1,1-Dichloroethene		(75354)	1.	ND		
cis-1,2-Dichloroethene		(156592)	1.	ND		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021106B DT/et JK0396-1



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: FIN2/021194W

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 02/11/94

Analyzed by: MM

Method : E624/8240

METHOD BLANK

REPORT OF ANALYTICAL RESULTS

Page 2 of 2

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAI	MPLED DATE RE	CEIVED
METHOD BLANK	Aqueous				
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
trans-1,2-Dichloroethene		(156605)	1.	ND	
1,2-Dichloropropane		(78875)	1.	ND	
cis-1,3-Dichloropropene		(100610105)	1.	ND	
trans-1,3-Dichloropropene		(10061026)	1.	ND	
Ethylbenzene		(100414)	1.	ND	
2-Hexanone		(591786)	5.	ND	
Methyl Isobutyl Ketone (MIBK)		(108101)	5.	ND	
Methylene Chloride		(75092)	5.	ND	
Styrene		(100425)	1.	ND	
1,1,2,2-Tetrachloroethane		(79345)	1.	ND	
Tetrachloroethene		(127184)	1.	ИD	
Toluene		(108883)	1.	ND	
1,1,1-Trichloroethane		(71556)	1.	ND	
1,1,2-Trichloroethane		(79005)	1.	ND	
Trichloroethene		(79016)	1.	ND	
Trichlorofluoromethane		(75694)	1.	ND	
Trichlorotrifluoroethane		(76131)	5.	ND	
Vinyl Acetate		(108054)	5.	ND	
Vinyl Chloride		(75014)	1.	ND	
Xylenes (total)		(1330207)	1.	ND	
Total Petroleum Hydrocarbons (Gasoline)		50.	ND	
Total Petroleum Hydrocarbons (Diesel)			50.	ND	
D4-DCA (% Surrogate Recovery #1)				105.	
D8-TOL (% Surrogate Recovery #2)				105.	
BFB (% Surrogate Recovery #3)				89.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

Respectfully submitted, 02/15/94

COAST-TO-COAST ANALYTICAL SERVICES, INC. FIN2/021106B

DT/et JK0396-1

> Dudley Torres Organics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: FIN2/021194W

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 02/12/94

Analyzed by: MM

Method : E624/8240

QC MATRIX SPIKE

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	· 	SAMPLED DA	TE RECE	IVED
MATRIX SPIKE	Aqueous					
CONSTITUENT		ORIGINAL RESULT	SPIKE AMOUNT	RESULT µg/L	%REC	NOTE
VOLATILE ORGANIC COMPOUNDS						1
Benzene		1.5	50.	53.	103.	
Chlorobenzene		ND	50.	49.	98.	
1,1-Dichloroethene		ND	50.	46.	92.	
Toluene		ND	50.	54.	108.	
Trichloroethene		ND	50.	48.	96.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021117B DT/et JK0396-1 Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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OC Batch ID: FIN2/021194W

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 02/12/94

Analyzed by: MM

: E624/8240 Method

QC MATRIX SPIKE

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	XIRTAM	SAMP	LED BY	SAMPLED DATE RECEIVED					
MATRIX SPIKE DUPLICATE	Aqueous								
CONSTITUENT		ORIGINAL RESULT	SPIKE AMOUNT	RESULT µg/L	%REC	%DIFF	NOTE		
VOLATILE ORGANIC COMPOUNDS		·····					1		
Benzene		1.5	50.	56.	109.	5.7			
Chlorobenzene		ND	50.	52.	104.	5.9			
1,1-Dichloroethene		ND	50.	49.	98.	6.3			
Toluene		ND	50.	61.	122.	12.			
Trichloroethene		ND	50.	51.	102.	6.1			

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021118B DT/et JK0396-1

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres

Organics Manager



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OC Batch ID: FIN2/021194W

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 02/12/94

Analyzed by: MM

Method : E624/8240

QC SPIKE

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED E	3Y	SAMPLED DA	TE RECE	IVED
QC SPIKE	Aqueous					
CONSTITUENT		*PQL µg/L	SPIKE AMOUNT	RESULT µg/L	%REC	NOTE
VOLATILE ORGANIC COMPOUNDS Total Petroleum Hydrocarbons (Gasoline)		50.	1000.	1040.	104.	1

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021119B DT/et JK0396-1 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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QC Batch ID: FIN2/021194W

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 02/12/94

Analyzed by: MM

Method : E624/8240

QC SPIKE

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION MATRIX		SA	MPLED BY	SAMPLED DATE RECEIV				
QC SPIKE DUPLICATE	Aqueous							
CONSTITUENT		*PQL μg/L	SPIKE AMOUNT	RESULT µg/L	%REC	%DIFF	NOTE	
VOLATILE ORGANIC COMPOUNDS Total Petroleum Hydrocarbons (Gasoline)		50.	1000.	1070.	107.	2.8	1	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

02/15/94 FIN2/021120B DT/et JK0396-1 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres Organics Manager

WEYERHAEUSER ALAMEDA GROUNDWATER METALS ANALYSIS FEBRUARY 1994

all values in mg/l

METAL	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-9	MW-10	MW-11
ANTIMONY	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	ND	ND	0.018	ND	ND	ND	0.005	0.08	ND	0.07
BARIUM	0.17	0.09	0.15	0.11	0.14	0.09	0.14	ND	ND	ND
BERYLLIUM	ND	ND	ИD	ND	ND	ND	ND	ND	ND	
CADMIUM	ИD	ND	ND	ND	ND	ND	ND	ND		ND
CHROMIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COBALT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COPPER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LEAD	ND	ND	0.006	ND	ND	ND	ND	***************************************	ND	ND
MERCURY	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND
MOLYBDENUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NICKEL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SELENIUM	ND	ND	ND	ND	ND	ND	ND	***********	ND	ND
SILVER	ND.	ND	ND	ND	ND	ND	ND	ND	ND	ND
THALLIUM	ND	ND	ND	ND	ND	ND	·····	ND	ND	ND
VANADIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ZINC	ND	ND	ND	ND	ND	ND	ND ND	ND ND	ND ND	ND ND

NOTES

ND: Not Detected, Minimum detection limits for each metal listed on original laboratory report forms



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-1

Project : Weyerhaeuser Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	D BY	SA	IPLED DATE	re received		
MW-1	Groundwater	Brian	West		02/03/94	02/0	04/94	
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES	
Antimony, Total Recoverable	0.005	ND	mg/L	EPA 704	02/10/94	DO	1	
Arsenic, Total Recoverable	0.005	ND	mg/L	EPA 7060	02/09/94	KP	1	
Barium, Total Recoverable	0.05	0.17	mg/L	EPA 601	02/08/94	DO	1	
Beryllium, Total Recoverable	0.05	ND	mg/L	EPA 601	02/08/94	DO	1	
Cadmium, Total Recoverable	0.001	ND	mg/L	EPA 713	L 02/08/94	DO	1	
Chromium, Total Recoverable	0.05	ND	mg/L	EPA 601	02/08/94	90	1	
Cobalt, Total Recoverable	0.05	ND	mg/L	EPA 601	02/08/94	DO	1	
Copper, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1	
Lead, Total Recoverable	0.005	ND	mg/L	EPA 742	1 02/08/94	DO	1	
Mercury, Total Recoverable	0.0002	ND	mg/L	EPA 7470	02/15/94	DO		
Molybdenum, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1	
Nickel, Total Recoverable	0.05	ND	mg/L	EPA 601	02/08/94	DO	1	
Selenium, Total Recoverable	0.005	ND	mg/L	EPA 7740	02/10/94	DO	1	
Silver, Total Recoverable	0.005	ND	mg/L	EPA 776	02/09/94	ΚÞ	1	
Thallium, Total Recoverable	0.1	ND	mg/L	EPA 7840	02/11/94	DO	1	
Vanadium, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1	
Zinc, Total Recoverable	0.1	ND	mg/L	EPA 601	02/08/94	DO	1	
Total Oil & Grease	5.	ND	mg/L	SM5520B	02/11/94	ĀΒ		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 02/07/94 by NT using EPA 3005

02/16/94

NG/nfg/aob 0594020701 Pespectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-2

Project

: Weyerhaeuser Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	D BY	SAM	PLED DATE	RECE	IVED
MW-2	Groundwater	Brian	West	C	2/03/94	02/0	4/94
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total Recoverable	0.005	ND	mg/L	EPA 7041	02/10/94	DO	1
Arsenic, Total Recoverable	0.005	ND	mg/L	EPA 7060	02/09/94	ΚP	1
Barium, Total Recoverable	0.05	0.09	mg/L	EPA 6010	02/08/94	DO	1
Beryllium, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Cadmium, Total Recoverable	0.001	ND	mg/L	EPA 7131	02/08/94	DO	1
Chromium, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Cobalt, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Copper, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Lead, Total Recoverable	0.005	ND	mg/L	EPA 7421	02/08/94	DO	1
Mercury, Total Recoverable	0.0002	ND	mg/L	EPA 7470	02/15/94	DO	
Molybdenum, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Nickel, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Selenium, Total Recoverable	0.005	ND	mg/L	EPA 7740	02/10/94	DO	1
Silver, Total Recoverable	0.005	ND	mg/L	EPA 7760	02/09/94	ΚP	1
Thallium, Total Recoverable	0.1	ND	mg/L	EPA 7840	02/11/94	DO	1
Vanadium, Total Recoverable	0.05	NID	mg/L	EPA 6010	02/08/94	DO	1
Zinc, Total Recoverable	0.1	ND	mg/L	EPA 6010	02/08/94	DO	1
Total Oil & Grease	5.	ND	mg/L	SM5520B	02/11/94	AB	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 02/07/94 by NT using EPA 3005

02/16/94

NG/nfg/aob 0594020701

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-3

Project : Weyerhaeuser Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY			SAMPLED DAT			SIVED
MW-3	Groundwater	Brian	West		0:	2/03/94	02/0	04/94
CONSTITUENT	*PQL	RESULT	UNITS	MET		ANALYZED	BY	NOTES
Antimony, Total Recoverable	0,005	ND	mg/L	EPA	7041	02/10/94	DO	1
Arsenic, Total Recoverable	0.005	0.018	mg/L	EPA	7060	02/09/94	KP	1
Barium, Total Recoverable	0.05	0.15	mg/L	EPA	6010	02/08/94	DO	1
Beryllium, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Cadmium, Total Recoverable	0.001	ND	mg/L	EPA	7131	02/08/94	DO	1
Chromium, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Cobalt, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Copper, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Lead, Total Recoverable	0.005	0.006	mg/L	EPA	7421	02/08/94	DO	1
Mercury, Total Recoverable	0.0002	ND	mg/L	EPA	7470	02/15/94	DO	
Molybdenum, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Nickel, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Selenium, Total Recoverable	0.005	ND	mg/L	EPA	7740	02/10/94	DO	1
Silver, Total Recoverable	0.005	ND	mg/L	EPA	7760	02/09/94	KP	1
Thallium, Total Recoverable	0.1	ND	mg/L	EPA	7840	02/11/94	DO	1
Vanadium, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DC	1
Zinc, Total Recoverable	0.1	ND	mg/L	EPA	6010	02/08/94	DO	1
Total Oil & Grease	5.	ND	mg/L	SM55	520B	02/11/94	AB	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 02/07/94 by NT using EPA 3005

02/16/94

NG/nfg/aob 0594020701

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager



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San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-4

Project : Weyerhaeuser Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	ID BY	SAN	IPLED DATE	RECE	IVED
MW-4	Groundwater	Brian	West	(02/03/94	02/0	4/94
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total Recoverable	0.005	ND	mg/L	EPA 7041	02/10/94	DO	1
Arsenic, Total Recoverable	0.005	ND	mg/L	EPA 7060	02/09/94	ΚP	1
Barium, Total Recoverable	0.05	0.11	mg/L	EPA 6010	02/08/94	DO	1
Beryllium, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Cadmium, Total Recoverable	0.001	ND	mg/L	EPA 7133	02/08/94	DO	1
Chromium, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Cobalt, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Copper, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Lead, Total Recoverable	0.005	ND	mg/L	EPA 7421	02/08/94	DO	1
Mercury, Total Recoverable	0.0002	ND	mg/L	EPA 7470	02/15/94	DO	
Molybdenum, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Nickel, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Selenium, Total Recoverable	0.005	ND	mg/L	EPA 7740	02/10/94	DO	1
Silver, Total Recoverable	0.005	ND	mg/L	EPA 7760	02/09/94	KP	1
Thallium, Total Recoverable	0.1	ND	mg/L	EPA 7840	02/11/94	DO	1
Vanadium, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Zinc, Total Recoverable	0.1	ND	mg/L	EPA 6010	02/08/94	DO	1
Total Oil & Grease	5.	ND	mg/L	SM5520B	02/11/94	AB	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 02/07/94 by NT using EPA 3005

02/16/94

NG/nfg/aob 0594020701 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

Lab Number: JK-0396-5

Project : Weyerhaeuser Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	ED BY SAMPLED DAT			PLED DATE	DATE RECEIV	
MW-5	Groundwater	Brian West		Brian West 02/03/9		2/03/94	02/0)4/94
CONSTITUENT	*PQL	RESULT	UNITS	METHO	OD O	ANALYZED	BY	NOTES
Antimony, Total Recoverable	0.005	ND	mg/L	EPA 7	041	02/10/94	DO	1
Arsenic, Total Recoverable	0.005	ND	mg/L	EPA 7	7060	02/09/94	ΚP	1
Barium, Total Recoverable	0.05	0.14	mg/L	EPA 6	010	02/08/94	DO	1
Beryllium, Total Recoverable	0.05	ИD	mg/L	EPA 6	010	02/08/94	DO	1
Cadmium, Total Recoverable	0.001	ND	mg/L	EPA 7	7131	02/08/94	DO	1
Chromium, Total Recoverable	0.05	ND	mg/L	EPA 6	010	02/08/94	DO	1
Cobalt, Total Recoverable	0.05	ND	mg/L	EPA 6	010	02/08/94	DO	1
Copper, Total Recoverable	0.05	ND	mg/L	EPA 6	010	02/08/94	DC	1
Lead, Total Recoverable	0.005	ND	mg/L	EPA 7	421	02/08/94	DO	1
Mercury, Total Recoverable	0.0002	ND	mg/L	EPA 7	470	02/15/94	DO	
Molybdenum, Total Recoverable	0.05	ND	mg/L	EPA 6	010	02/08/94	DO	1
Nickel, Total Recoverable	0.05	ND	mg/L	EPA 6	010	02/08/94	DC	1
Selenium, Total Recoverable	0.005	ND	mg/L	EPA 7	7740	02/10/94	DO	1
Silver, Total Recoverable	0.005	ND	mg/L	EPA 7	7760	02/09/94	KΡ	1
Thallium, Total Recoverable	0.1	MD	mg/L	EPA 7	7840	02/11/94	DO	1
Vanadium, Total Recoverable	0.05	ND	mg/L	EPA 6	5010	02/08/94	DO	1
Zinc, Total Recoverable	0.1	NID	mg/L	EPA 6	5010	02/08/94	DO	1
Total Oil & Grease	5.	ND	mg/L	SM552	OB	02/11/94	AB	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 02/07/94 by NT using EPA 3005

02/16/94

NG/nfg/aob 0594020701 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager



COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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Lab Number: JK-0396-6

Project : Weyerhaeuser Alameda

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE		SAM	PLED DATE	RECE	EIVED	
W-6 Groundwater Brian West				est 02/03/94			02/0	04/94
CONSTITUENT	*PQL	RESULT	UNITS	METH	iod	ANALYZED	BĀ	NOTES
Antimony, Total Recoverable	0.005	NID	mg/L	EPA	7041	02/10/94	DO	1
Arsenic, Total Recoverable	0.005	ND	mg/L	EPA	7060	02/09/94	KΡ	1
Barium, Total Recoverable	0.05	0.09	mg/L	EPA	6010	02/08/94	DO	1
Beryllium, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Cadmium, Total Recoverable	0.001	ND	mg/L	EPA	7131	02/08/94	DO	1
Chromium, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Cobalt, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Copper, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Lead, Total Recoverable	0.005	ND	mg/L	EPA	7421	02/08/94	DO	1
Mercury, Total Recoverable	0.0002	ND	mg/L	EPA	7470	02/15/94	DO	
Molybdenum, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Nickel, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Selenium, Total Recoverable	0.005	ND	mg/L	EPA	7740	02/10/94	DO	1
Silver, Total Recoverable	0.005	ND	mg/L	EPA	7760	02/09/94	KP	1
Thallium, Total Recoverable	0.1	ND	mg/L	EPA	7840	02/11/94	DO	1
Vanadium, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Zinc, Total Recoverable	0.1	ND	mg/L	EPA	6010	02/08/94	DO	1
Total Oil & Grease	5.	ND	mg/L	<i>S</i> M55	20B	02/11/94	AB	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 02/07/94 by NT using EPA 3005

02/16/94

NG/nfg/aob 0594020701 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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Lab Number: JK-0396-7

Project

: Weyerhaeuser Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	D BY	SA	SAMPLED DATE		EIVED
MW-7	Groundwater	Brian	West	(2/03/94	02/0)4/94
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total Recoverable	0.005	ND	mg/L	EPA 704:	02/10/94	DO	1
Arsenic, Total Recoverable	0.005	0.005	mg/L	EPA 7060	02/09/94	ΚP	1
Barium, Total Recoverable	0.05	0.14	mg/L	EPA 6010	02/08/94	DO	1
Beryllium, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Cadmium, Total Recoverable	0.001	ND	mg/L	EPA 713	L 02/08/94	DO	1
Chromium, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Cobalt, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Copper, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Lead, Total Recoverable	0.005	ND	mg/L	EPA 742	02/08/94	DO	1
Mercury, Total Recoverable	0.0002	ND	mg/L	EPA 7470	02/15/94	DO	
Molybdenum, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Nickel, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Selenium, Total Recoverable	0.005	ND	mg/L	EPA 7740	02/10/94	DO	1
Silver, Total Recoverable	0.005	ND	mg/L	EPA 776	02/09/94	ΚP	1
Thallium, Total Recoverable	0.1	ND	mg/L	EPA 7840	02/11/94	DO	1
Vanadium, Total Recoverable	0.05	ИD	mg/L	EPA 6010	02/08/94	DO	1
Zinc, Total Recoverable	0.1	ND	mg/L	EPA 6010	02/08/94	DO	1
Total Oil & Grease	5.	ND	mg/L		02/11/94		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 02/07/94 by NT using EPA 3005

02/16/94

NG/nfg/aob 0594020701 Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager



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Lab Number: JK-0396-8

Project

: Weyerhaeuser Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE	SAMPLED BY		MPLED DATE	D DATE RECEIV	
MW-9	Groundwater	Brian	West		02/03/94	02/0	04/94
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total Recoverable	0.005	ND	mg/L	EPA 70	1 02/10/94	DO	1
Arsenic, Total Recoverable	0.005	ND	mg/L	EPA 706	50 <mark>0</mark> 2/09/94	KP	1
Barium, Total Recoverable	0.05	0.08	mg/L	EPA 60:	02/08/94	DO	1
Beryllium, Total Recoverable	0.05	ND	mg/L	EPA 60	02/08/94	DO	1
Cadmium, Total Recoverable	0.001	ND	mg/L	EPA 71	31 02/08/94	DO	1
Chromium, Total Recoverable	0.05	ND	mg/L	EPA 60:	LO 02/08/94	DO	1
Cobalt, Total Recoverable	0.05	ND	mg/L	EPA 60:	.0 02/08/94	DO	1
Copper, Total Recoverable	0.05	ND	mg/L	EPA 60	10 02/08/94	DO	1
Lead, Total Recoverable	0.005	ND	mg/L	EPA 742	21 02/08/94	DO	1
Mercury, Total Recoverable	0.0002	ND	mg/L	EPA 74	70 02/15/94	DO	
Molybdenum, Total Recoverable	0.05	ND	mg/L	EPA 60	.0 02/08/94	DO	1
Nickel, Total Recoverable	0.05	ND	mg/L	EPA 60	LO 02/08/94	DO	1
Selenium, Total Recoverable	0.005	ND	mg/L	EPA 77	10 02/10/94	DO	1
Silver, Total Recoverable	0.005	ND	mg/L	EPA 77	02/09/94	KP	1
Thallium, Total Recoverable	0.1	ND	mg/L	EPA 78	10 02/11/94	DO	1
Vanadium, Total Recoverable	0.05	ND	mg/L	EPA 60	0 02/08/94	DO	1
Zinc, Total Recoverable	0.1	ND	mg/L	EPA 60	10 02/08/94	DO	1
Total Oil & Grease	5.	ND	mg/L	SM55201	3 02/11/94	AB	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 02/07/94 by NT using EPA 3005

02/16/94

NG/nfg/aob 0594020701 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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Lab Number: JK-0396-9

Project : Weyerhaeuser Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY			SAMPLED DATE		E RECEIVED	
MW-10	Groundwater	Brian West		Brian West		2/03/94	02/0	04/94
CONSTITUENT	*PQL	RESULT	UNITS	METH	HOD	ANALYZED	BY	NOTES
Antimony, Total Recoverable	0.005	ND	mg/L	EPA	7041	02/10/94	DO	1
Arsenic, Total Recoverable	0.005	ND	mg/L	EPA	7060	02/09/94	ΚP	1
Barium, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Beryllium, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Cadmium, Total Recoverable	0.001	ND	mg/L	EPA	7131	02/08/94	DO	1
Chromium, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Cobalt, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Copper, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Lead, Total Recoverable	0.005	ND	mg/L	EPA	7421	02/08/94	DO	ı
Mercury, Total Recoverable	0.0002	ND	mg/L	EPA	7470	02/15/94	DO	
Molybdenum, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Nickel, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Selenium, Total Recoverable	0.005	ND	mg/L	EPA	7740	02/10/94	DO	1
Silver, Total Recoverable	0.005	ND	mg/L	EPA	7760	02/09/94	KP	1
Thallium, Total Recoverable	0.1	ND	mg/L	EPA	7840	02/11/94	DO	1
Vanadium, Total Recoverable	0.05	ND	mg/L	EPA	6010	02/08/94	DO	1
Zinc, Total Recoverable	0.1	ND	mg/L	EPA	6010	02/08/94	DO	1
Total Oil & Grease	5.	ND	mg/L	SM55	20B	02/11/94	AB	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 02/07/94 by NT using EPA 3005

02/16/94

NG/nfg/aob 0594020701

Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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Lab Number : JK-0396-10

Project : Weyerhaeuser Alameda

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	RIX SAMPLED BY			SAMPLED DATE		
MW-11	Groundwater	Brian	West	(02/03/94	02/0	04/94
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Total Recoverable	0.005	ND	mg/L	EPA 704	1 02/10/94	DO	1
Arsenic, Total Recoverable	0.005	ND	mg/L	EPA 706	02/09/94	KP	1
Barium, Total Recoverable	0.05	0.07	mg/L	EPA 601	02/08/94	DO	1
Beryllium, Total Recoverable	0.05	ND	mg/L	EPA 601	0 02/08/94	DO	1
Cadmium, Total Recoverable	0.001	ND	mg/L	EPA 713	1 02/08/94	DO	1
Chromium, Total Recoverable	0.05	ND	mg/L	EPA 601	02/08/94	DO	1
Cobalt, Total Recoverable	0.05	ND	mg/L	EPA 601	02/08/94	DO	1
Copper, Total Recoverable	0.05	ND	mg/L	EPA 601	02/08/94	DO	1
Lead, Total Recoverable	0.005	ND	mg/L	EPA 742	1 02/08/94	DO	ī
Mercury, Total Recoverable	0.0002	NID	mg/L	EPA 747	02/15/94	DO	
Molybdenum, Total Recoverable	0.05	ND	mg/L	EPA 601	02/08/94	DO	1
Nickel, Total Recoverable	0.05	ND	mg/L	EPA 601	02/08/94	DO	1
Selenium, Total Recoverable	0.005	ND	mg/L	EPA 774	02/10/94	DO	1
Silver, Total Recoverable	0.005	ND	mg/L	EPA 776	02/09/94	KP	1
Thallium, Total Recoverable	0.1	ND	mg/L	EPA 784	02/11/94	DO	1
Vanadium, Total Recoverable	0.05	ND	mg/L	EPA 601	02/08/94	DO	1
Zinc, Total Recoverable	0.1	ND	mg/L	EPA 601	02/08/94	DO	1
Total Oil & Grease	5.	ND	mg/I,	SM5520B	02/11/94	AB	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 02/07/94 by NT using EPA 3005

02/16/94

NG/nfg/aob 0594020701 Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

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QC Batch ID: 0594020701

CLIENT: Coast-to-Coast Analytical Services, Inc.

METHOD BLANK REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLE) BY	SAMP	LED DATE R	ECEI	IVED
METHOD BLANK	Aqueous						
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTE
Antimony, Total Recoverable	0.005	ND	mg/L	EPA 7041	02/10/94	DO	1
Arsenic, Total Recoverable	0.005	ND	mg/L	EPA 7060	02/09/94	ΚP	1
Barium, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Beryllium, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Cadmium, Total Recoverable	0.001	ND	mg/L	EPA 7131	02/08/94	DO	1
Chromium, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Cobalt, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Copper, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Lead, Total Recoverable	0.005	ND	mg/L	EPA 7421	02/08/94	DO	1
Mercury, Total Recoverable	0.0002	ND	mg/L	EPA 7470	02/15/94	DO	
Molybdenum, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Nickel, Total Recoverable	0.05	ND	mg/L	EPA 6010	02/08/94	DO	1
Selenium, Total Recoverable	0.005	ND	mg/L	EPA 7740	02/10/94	DO	1
Silver, Total Recoverable	0.005	ND	mg/L	EPA 7760	02/09/94	ΚP	1
Thallium, Total Recoverable	0.1	ND	mg/L	EPA 7840	02/11/94	DO	1
Vanadium, Total Recoverable	0.05	ND	mq/L	EPA 6010	02/08/94	DO	1
Zinc, Total Recoverable	0.1	ND	mg/L		02/08/94	DO	1
Total Oil & Grease	5.	ND	mg/L		02/11/94	AB	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 02/07/94 by NT using EPA 3005

02/16/94

NG/nfg/aob JK0396-1 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

keh J. Daone

Nick Gaone

Inorganics Manager



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QC Batch ID: 0594020701

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC MATRIX SPIKE REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	Si	AMPLED	BY	SAMP	LED DATE !	RECE!	IVED	
MATRIX SPIKE		Aqueous							
CONSTITUENT	ORIGINAL	SPIKE	RESULT	%REC	UNITS	METHOD	ANALYZED	BY	NOTE
Antimony, Total Recoverable	ND	0.025	0.026	104.	mg/L	EPA 7041	02/10/94	DO	1
Arsenic, Total Recoverable	ND	0.025	0.031	124.	mg/L	EPA 7060	02/09/94	КP	1
Barium, Total Recoverable	0.17	5.0	3.7	71.	mg/L	EPA 6010	02/08/94	DO	1
Beryllium, Total Recoverable	ND	1.0	0.92	92.	mg/L	EPA 6010	02/08/94	DO	1
Cadmium, Total Recoverable	ND	0.010	0.011	110.	mg/L	EPA 7131	02/08/94	DO	1
Chromium, Total Recoverable	ND	0.50	0.41	82.	mg/L	EPA 6010	02/08/94	DO	1
Cobalt, Total Recoverable	ND	1.0	0.85	85.	mg/L	EPA 6010	02/08/94	DO	1
Copper, Total Recoverable	ND	1.0	0.92	92.	mg/L	EPA 6010	02/08/94	DO	1
Lead, Total Recoverable	ND	0.050	0.058	116.	mg/L	EPA 7421	02/08/94	DO	1
Mercury, Total Recoverable	ND	0.0010	0.0011	110.	mg/L	EPA 7470	02/15/94	DO	
Molybdenum, Total Recoverable	ND	1.0	1.1	110.	mg/L	EPA 6010	02/08/94	DO	1
Nickel, Total Recoverable	ND	1.0	0.92	92.	mg/L	EPA 6010	02/08/94	DO	1
Selenium, Total Recoverable	ND	0.025	0.019	76.	mg/L	EPA 7740	02/10/94	DO	1
Silver, Total Recoverable	ND	0.50	0.52	104.	mg/L	EPA 7760	02/09/94	KΡ	1
Thallium, Total Recoverable	ND	1.0	1.0	100.	mg/L	EPA 7840	02/11/94	DO	1
Vanadium, Total Recoverable	ND	0.50	0.42	84.	mg/L	EPA 6010	02/08/94	DO	1
Zinc, Total Recoverable	ND	1.0	0.9	90.	mg/L	EPA 6010	02/08/94	DO	1

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 02/07/94 by NT using EPA 3005

02/16/94

NG JK0396-1 Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

hick & Daon

Nick Gaone

Inorganics Manager



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QC Batch ID: 0594020701

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC MATRIX SPIKE REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SI	AMPLED	BY	SAMP	LED DATE F	ECE	IVED	
MATRIX SPIKE DUPLICATE		Aqueous							·
CONSTITUENT	ORIGINAL	SPIKE	RESULT	%DIFF	UNITS	METHOD	ANALYZED	BY	NOTE
Antimony, Total Recoverable	ND	0.025	0.028	7.4	mg/L	EPA 7041	02/10/94	DO	1
Arsenic, Total Recoverable	ND	0.025	0.029	6.7	mg/L	EPA 7060	02/09/94	ΚP	1
Barium, Total Recoverable	0.17	5.0	3.7	0.	mg/L	EPA 6010	02/08/94	DO	1
Beryllium, Total Recoverable	ND	1.0	0.93	1.1	mg/L	EPA 6010	02/08/94	DO	1
Cadmium, Total Recoverable	ND	0.010	0.011	0.	mg/L	EPA 7131	02/08/94	DO	1
Chromium, Total Recoverable	ND	0.50	0.42	2.4	mg/L	EPA 6010	02/08/94	DO	1
Cobalt, Total Recoverable	ND	1.0	0.87	2.3	mg/L	EPA 6010	02/08/94	DO	1
Copper, Total Recoverable	ND	1.0	0.93	1.1	mg/L	EPA 6010	02/08/94	DO	1
Lead, Total Recoverable	ND	0.050	0.058	0.	mg/L	EPA 7421	02/08/94	DO	1
Mercury, Total Recoverable	ND	0.0010	0.0011	0.	mg/L	EPA 7470	02/15/94	DO	
Molybdenum, Total Recoverable	ND	1.0	1.1	0.	mg/L	EPA 6010	02/08/94	DO	1
Nickel, Total Recoverable	ND	1.0	0.95	3.2	mg/L	EPA 6010	02/08/94	DO	1
Selenium, Total Recoverable	ND	0.025	0.019	0.	mg/L	EPA 7740	02/10/94	DO	1
Silver, Total Recoverable	ND	0.50	0.50	3.9	mg/L	EPA 7760	02/09/94	ΚP	1
Thallium, Total Recoverable	ND	1.0	1.1	9.5	mg/L	EPA 7840	02/11/94	DO	1
Vanadium, Total Recoverable	ND	0.50	0.43	2.4	mg/L	EPA 6010	02/08/94	DO	1
Zinc, Total Recoverable	ND	1.0	0.9	0.	mg/L	EPA 6010	02/08/94	DO	1

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 02/07/94 by NT using EPA 3005

02/16/94

NG JK0396-1 Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nıck Gaone

Inorganics Manager



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: OG940211A

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION		MATRIX		SAMPLED BY	SAME	PLED DATE R	ECEIVED
QC SPIKE		Aqueous					
CONSTITUENT	*PQL	SPIKE	RESULT	%REC UNITS	S METHOD	ANALYZED	BY NOTE
Total Oil & Grease	5.	10.	11.	110. mg/L	SM5520B	02/11/94	AB

San Jose Lab Certifications: CAELAP #1204

02/16/94

NG/nfg/aob JK0396-1 Respectfully submitted, COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager

^{*}RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

QC Batch ID: OG940211A

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION		MATRIX	SAMPLED E	BY SAM		LED DATE R	ECEIVE	D	
QC SPIKE DUPLICATE		Aqueous	3						
CONSTITUENT	*PQL	SPIKE	RESULT	%DIFF (JNITS	METHOD	ANALYZED	BY NO	ΣΈ
Total Oil & Grease	5.	10.	10.	9.5 n	ng/L	SM5520B	02/11/94	AB	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

02/16/94

NG/nfg/aob JK0396-1 Respectfully submitted,

COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone

Inorganics Manager

WEYWEHAEUSER ALAMEDA SEMI-VOLATILE ORGANIC ANALYSIS - GROUNDWATER FEBRUARY 1994

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
MW-2	NAPTHALENE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MW-3	NAPTHALENE	170
	METHYLNAPTHALENE	45



NorCal Division (San Jose Laboratory) 2059 Junction Ave.

San Jose, CA 95131 (408) 955-9077

CLIENT: Brian W. West

West & Associates Env. Engineers

112 Pepperell Court Vacaville, CA 95688 Lab Number: JK-0396-1

Project

: Weyerhaeuser Alameda

Analyzed : 02/14/94

Analyzed by: DZ

Method: EPA 625

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
MW-1	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS					1
Acenaphthylene		(208968)	5.	ND	
Acenaphthene		(83329)	5.	ND	
Anthracene		(120127)	5.	ND	
Benzidine		(92875)	50.	ND	
Benzo(a)anthracene		(56553)	5.	ND	
Benzo(b)fluoranthene		(205992)	10.	NID	
Benzo(k)fluoranthene		(207089)	10.	ND	
Benzo(a)pyrene		(50328)	5.	ND	
Benzo(ghi)perylene		(191242)	5.	ND	
Bis(2-chloroethoxy)methane		(111911)	10.	ND	
Bis(2-chloroethyl)ether		(111444)	10.	ND	
Bis(2-chloroisopropyl)ether		(39638329)	10.	ND	
Bis(2-ethylhexyl)phthalate		(117817)	20.	ND	
4-Bromophenylphenylether		(101553)	5.	ND	
Butylbenzylphthalate		(85687)	10.	ND	
2-Chloronaphthalene		(91587)	5.	ND	
4-Chlorophenylphenylether		(7005723)	10.	ND	
Chrysene		(218019)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit) (1) Sample Preparation on 02/08/94 by AC

02/15/94 MSD2/2P37B DT/et/dez BNA-020894A