



# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

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		SAMPLED DATE RECEIVED					
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

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

02/02/94

NG/sab/cml  
JK0210-13

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

*Nick J. Gaone*

Nick Gaone  
Inorganics Manager

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EXCELLENCE  
IN ANALYSIS

# COAST-TO-COAST ANALYTICAL SERVICES, INC.

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

QC Batch ID: OG9402013

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 DUPLICATE	Solid							
CONSTITUENT	ORIGINAL	SPIKE	RESULT	%DIFF	UNITS	METHOD	ANALYZED BY	NOTE
Total Oil & Grease	ND	400.	350.	2.8	mg/Kg	SM5520E	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

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**FUEL FINGERPRINT IN AIR**

**ANALYTICAL DATA**



# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

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-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	SAMPLED BY		SAMPLED DATE RECEIVED	
JK0144-7 B-4 5.5'	Air	Brian West		01/13/94	02/04/94
CONSTITUENT	*PQL ppmv	RESULT ppmv	RESULT mg/cu M	NOTE	
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 #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  
MS2/2P39E  
GD/ge  
MS2\*A

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

Gesheng Dai, Ph.D.  
Air Toxics Group Leader

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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-0713-2  
Project : Weyerhaeuser Alameda  
Analyzed : 02/15/94  
Analyzed by: EJ  
Method : EPA TO-14

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

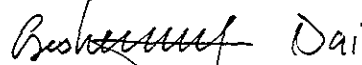
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
(JK-0144-9) MW-8 7'	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT	*PQL ppbv	RESULT ppbv	RESULT µg/cu M	NOTE	
FUEL FINGERPRINT in AIR					1,2
Benzene	20.	ND	ND		
Toluene	20.	ND	ND		
Ethylbenzene	20.	ND	ND		
Xylenes	20.	ND	ND		
Ethylene Dichloride	20.	ND	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

\*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  
MS2/2P65E  
GD/ge  
MS2\*A

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

  
Gesheng Dai, Ph.D.  
Air Toxics Group Leader

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

CLIENT: Brian W. West  
West & Associates Env. Engineers  
112 Pepperell Court  
Vacaville, CA 95688

Lab Number : CK-0713-5  
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	SAMPLED BY		SAMPLED DATE RECEIVED	
(JK-0144-12) MW-10 5'	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT	*PQL	RESULT	RESULT	NOTE	
	ppbv	ppbv	µg/cu M		
FUEL FINGERPRINT in AIR <span style="float: right;">1,2</span>					
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*  
Gesheng Dai, Ph.D.  
Air Toxics Group Leader



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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-0562-2  
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	SAMPLED BY	SAMPLED DATE RECEIVED	
JK0144-13 MW-10 9'	Air	Brian West	01/13/94	02/04/94

CONSTITUENT	*PQL ppmv	RESULT ppmv	RESULT mg/cu M	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 hydrocarbons)	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-TO-COAST ANALYTICAL SERVICES, INC.

*Gesheng Dai*  
Gesheng Dai, Ph.D.  
Air Toxics Group Leader



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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

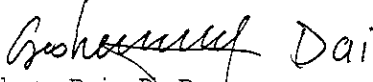
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
(JK-0144-10) MW-9 5'	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT	*PQL	RESULT	RESULT	NOTE	
	ppbv	ppbv	µg/cu M		
FUEL FINGERPRINT in AIR <span style="float: right;">1, 2</span>					
Benzene	20.	ND	ND		
Toluene	20.	70.	270.		
Ethylbenzene	20.	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; 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  
MS2/2P66E  
GD/ge  
MS2\*A

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

  
Gesheng Dai, Ph.D.  
Air Toxics Group Leader

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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

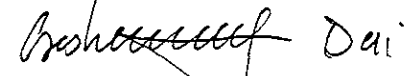
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
(JK-0144-11) MW-9 9'	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT	*PQL ppbv	RESULT ppbv	RESULT µg/cu M	NOTE	
FUEL FINGERPRINT in AIR					1,2
Benzene	20.	180.	590.		
Toluene	20.	50.	170.		
Ethylbenzene	20.	280.	1200.		
Xylenes	20.	300.	1300.		
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

\*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  
MS2/2P67E  
GD/ge  
MS2\*A

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

  
Gesheng Dai, Ph.D.  
Air Toxics Group Leader

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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	SAMPLED BY		SAMPLED DATE RECEIVED	
(JK-0144-8) North End Wall	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT	*PQL	RESULT	RESULT	NOTE	
	ppbv	ppbv	µg/cu M		
FUEL FINGERPRINT in AIR				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; 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  
MS2/2P64E  
GD/ge  
MS2\*A

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

*Gesheng Dai*  
Gesheng Dai, Ph.D.  
Air Toxics Group Leader

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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-TO-COAST ANALYTICAL SERVICES, INC.

Gesheng Dai, Ph.D.  
Air Toxics Group Leader

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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 BY	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.

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Air Toxics Group Leader

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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				
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.

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

Respectfully submitted,  
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*Gesheng Dai*  
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Air Toxics Group Leader

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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 BY		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.	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*  
Gesheng Dai, Ph.D.  
Air Toxics Group Leader

**CHAIN-OF-CUSTODY RECORD**  
Analytical Request

Client West & Associates  
Address PO Box 5891  
Vacaville CA 95696  
Phone 707-451-1360

Report To: Same  
Bill To: Same  
P.O. # / Billing Reference \_\_\_\_\_  
Project Name / No. WPC-Alameda

Pace Client No. \_\_\_\_\_  
Pace Project Manager \_\_\_\_\_  
Pace Project No. \_\_\_\_\_  
\*Requested Due Date: Regular

Sampled By (PRINT): Brian West  
Sampler Signature Brian West Date Sampled 12-7-94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST	REMARKS	
						UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	VOA			Cold
1	MW 12-8'	PM	SOIL	701796	1					✓	TPH-gas BTXE	
2	MW 12-12'	PM	SOIL	701714	1					✓	TPH-gas BTXE	
3												
4												
5												
6												
7												
8												

COOLER NOS.	BAILERS	SHIPMENT METHOD		ITEM NUMBER	RELINQUISHED BY	AFFILIATION	ACCEPTED BY	AFFILIATION	DATE	TIME
		OUT DATE	RETURNED DATE		<u>Brian West</u>		<u>Yonah Long</u>		<u>12/9</u>	<u>12:20</u>

Additional Comments

5/1



## REPORT OF LABORATORY ANALYSIS

December 28, 1994

Mr. Brian West  
West & Associates  
112 Peppere11 Court  
Vacaville, CA 95688

RE: PACE Project Number: 7093  
Client Project ID: WPC - ALAMEDA

Dear Mr. West:

Enclosed are the results of analyses for samples received on December 9, 1994. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Lisa Norosky".

Lisa Norosky  
Project Manager

Enclosures





# REPORT OF LABORATORY ANALYSIS

DATE: 12/28/94

PAGE: 1

West & Associates  
 112 Peppereil Court  
 Vacaville, CA 95688

PACE Project Number: 7093  
 Client Project ID: WPC - ALAMEDA

Attn: Mr. Brian West  
 Phone: (707)451-1360

PACE Sample No: 706341 Date Collected: 12/07/94  
 Client Sample ID: MW 12 - 8' Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Soil								
Gasoline	ND	ug/kg	200	12/12/94	CA LUFT	ADS		
Benzene	ND	ug/kg	1	12/12/94	CA LUFT	ADS	71-43-2	
Toluene	ND	ug/kg	1	12/12/94	CA LUFT	ADS	108-88-3	
Ethyl Benzene	ND	ug/kg	1	12/12/94	CA LUFT	ADS	100-41-4	
Xylene (Total)	ND	ug/kg	2	12/12/94	CA LUFT	ADS	1330-20-7	
a,a,a-Trifluorotoluene (S)	107	%		12/12/94	CA LUFT	ADS	2164-17-2	
4-Bromofluorobenzene (S)	94	%		12/12/94	CA LUFT	ADS	460-00-4	

PACE Sample No: 706358 Date Collected: 12/07/94  
 Client Sample ID: MW 12 - 12' Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Soil								
Gasoline	ND	ug/kg	200	12/12/94	CA LUFT	ADS		
Benzene	ND	ug/kg	1	12/12/94	CA LUFT	ADS	71-43-2	
Toluene	ND	ug/kg	1	12/12/94	CA LUFT	ADS	108-88-3	
Ethyl Benzene	ND	ug/kg	1	12/12/94	CA LUFT	ADS	100-41-4	
Xylene (Total)	ND	ug/kg	2	12/12/94	CA LUFT	ADS	1330-20-7	
a,a,a-Trifluorotoluene (S)	109	%		12/12/94	CA LUFT	ADS	2164-17-2	
4-Bromofluorobenzene (S)	101	%		12/12/94	CA LUFT	ADS	460-00-4	



## REPORT OF LABORATORY ANALYSIS

DATE: 12/28/94

PAGE: 2

PACE Project Number: 7093

Client Project ID: WPC - ALAMEDA

---

### PARAMETER FOOTNOTES

ND Not Detected  
PRL PACE Reporting Limit  
(S) Surrogate



# REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

DATE: 12/28/94

PAGE: 3

West & Associates  
 112 Peppereil Court  
 Vacaville, CA 95688

PACE Project Number: 7093  
 Client Project ID: WPC - ALAMEDA

Attn: Mr. Brian West  
 Phone: (707)451-1360

QC Batch ID: 152                                      QC Batch Method: CA LUFT                                      Date of Batch: 12/21/94  
 Associated PACE Samples:                                      706341                                      706358

METHOD BLANK: 708362

Associated PACE Samples:

Parameter	Units	706341	706358	PRL	Footnotes
			Method Blank Result		
Gasoline	ug/kg		ND	200	
Benzene	ug/kg		ND	1	
Toluene	ug/kg		ND	1	
Ethyl Benzene	ug/kg		ND	1	
Xylene (Total)	ug/kg		ND	2	
a,a,a-Trifluorotoluene (S)	%		106		
4-Bromofluorobenzene (S)	%		96		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 708529 708537

Parameter	Units	707927	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Benzene	ug/kg	ND	100	100	103	100	102	1	
Toluene	ug/kg	ND	100	100	102	99	99	3	
Ethyl Benzene	ug/kg	ND	100	96	96	94	94	2	
Xylene (Total)	ug/kg	ND	300	300	101	300	99	2	
a,a,a-Trifluorotoluene (S)					100		99		
4-Bromofluorobenzene (S)					98		98		



# REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

DATE: 12/28/94

PAGE: 4

PACE Project Number: 7093

Client Project ID: WPC - ALAMEDA

LABORATORY CONTROL SAMPLE & LCSD: 708370 708388

Parameter	Units	Spike		LCSD		Spike		Footnotes
		Conc.	Result	% Rec	Result	% Rec	RPD	
Benzene	ug/kg	100	96	96	96	96	0	
Toluene	ug/kg	100	94	94	94	94	0	
Ethyl Benzene	ug/kg	100	91	91	91	91	0	
Xylene (Total)	ug/kg	300	290	96	290	96	0	
a,a,a-Trifluorotoluene (S)				99		101		



# REPORT OF LABORATORY ANALYSIS

DATE: 12/28/94

PAGE: 5

PACE Project Number: 7093

Client Project ID: WPC - ALAMEDA

---

## QUALITY CONTROL DATA PARAMETER FOOTNOTES

The Quality Control Sample Final Results listed above have been rounded to reflect an appropriate number of significant figures. Consistent with EPA guidelines unrounded concentrations have been used to calculate % Rec and RPD values.

ND Not Detected  
PRL PACE Reporting Limit  
RPD Relative Percent Difference  
(S) Surrogate



4765 Calle Quetzal • Camarillo, CA 93012 • 389-1353 FAX (805) 389-1438  
 7726 Moller Rd. • Indianapolis, IN 46268 • (317) 875-5894 FAX (317) 872-6189  
 2059 Junction Ave. • San Jose, CA 95131 • (408) 955-9077 FAX (408) 955-9078  
 141 Suburban Road • San Luis Obispo, CA 93401 • (805) 547-3888 FAX (805) 543-2685  
 2400 Cumberland Dr. • Valparaiso, IN 46383 • (219) 464-2389 FAX (219) 462-2953  
 340 County Road No. 5 • Westbrook, ME 04092 • (207) 874-2400 FAX (207) 775-4029

# Chain of Custody

• PLEASE PRINT IN PEN

Client	West & Associates Engineers		Contact	Brian West	Phone #	(707) 451-1360	FAX #	See
Address	112 Pepperell Ct. City Vacaville		State	CA	Zip	95688	Remarks	
Project Name/Number	Weyerhaeuser Alameda			Project MGR	B West			
Bill (if different than above)	Same							
Sampler (Print and sign)	BWU Brian West		Due Date	Standard	Circle for RUSH*	Copies To: * See		Auth. Init.

Sample Description	Date/Time Coll'd	# of Matrix Containers	Pres.	Filt. y/n	* Subject to Availability Analysis	Remarks	Lab ID #
MW-1	2-3 PM GW	6	H <sub>c</sub>		EPA 624 + TPH; EPA 625 CAM 17 metals; oil & grease	JK0396	-1
MW-2	2-3 AM				5520 B **		-2
MW-3	2-3 PM					High gas concn.	-3
MW-4	2-3 AM						-4
MW-5	2-3 PM						-5
MW-6	2-3 PM						-6
MW-7	2-3 AM						-7
MW-9	2-3 PM	↓	↓	↓	↓		-8

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
Brian West	2-4-94				

FOR LAB USE ONLY

Shipping Method	Shipping #	Received By	Date/Time	Condition (See Remarks)	* Matrix:
Hand Carry		Whellie Hoyt	2-4-94 10:30	Cold <input checked="" type="checkbox"/> Sealed <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	DW - Drinking Water WW - Wastewater GW - Groundwater SW - Surface Water IM - Impinger FI - Filter FP - Free Product A/G - Air/Gas SL - Sludge/Soil/Solid OT - Other
REMARKS	Do not telefax results. ** - O/G clarified with Brian West 12/04/94 (143)				
* Submit 5 copies of results All preserved samples with appropriate pH 6 photocopies Temp. of coolers: 38°F, 52°F, 38°F were preserved at Lab.					

ORIGINAL



4765 Calle Quetzal • Camarillo, CA 93012 • (805) 389-1353 FAX (805) 389-1438  
 7726 Moller Rd. • Indianapolis, IN 46268 • (317) 875-5894 FAX (317) 872-6189  
 2059 Junction Ave. • San Jose, CA 95131 • (408) 955-9077 FAX (408) 955-9078  
 141 Suburban Road • San Luis Obispo, CA 93401 • (805) 547-3888 FAX (805) 543-2685  
 2400 Cumberland Dr. • Valparaiso, IN 46383 • (219) 464-2389 FAX (219) 462-2953  
 340 County Road No. 5 • Westbrook, ME 04092 • (207) 874-2400 FAX (207) 775-4029

# Chain of Custody

• PLEASE PRINT IN PEN

Client West & Associates Engineers Contact Brian West Phone # (707) 451-1360 FAX # ( )  
 Address 112 Pepperell Ct City Vacaville State CA Zip 95688  
 Project Name/Number Weyerhaeuser Alameda Project MGR B WEST  
 Bill (if different than above) Same Address \_\_\_\_\_  
 Sampler (Print and sign) BWW Brian West Due Date Standard Circle for RUSH\* Copies To: \_\_\_\_\_ Auth. Init. \_\_\_\_\_

Sample Description	Date/Time Coll'd	*Matrix	# of Containers	Pres.	Filt. y/n	* Subject to Availability Analysis	Remarks	Lab ID #
MW-10	2-3 AM	GW	6	H <sub>2</sub> O		EPA 624 + TPH ; EPA 625 CAM 17 metals ; oil & grease	<u>MW396</u> <u>JKO396</u>	<u>-9</u>
MW-11	2-3 AM		6			11 5520 B**		<u>-10</u>
QC	2-3 AM	✓	3	✓		EPA 624 + TPH		<u>-11</u>

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
<u>Brian West</u>	<u>2-4-94</u>				

FOR LAB USE ONLY

Shipping Method HAND CARRY Shipping # \_\_\_\_\_ Received By Shellie Hoyt Date/Time 2-4-94 1030 Condition (See Remarks)  
 Cold  Sealed  Intact   
 REMARKS \*\* o/a classified with Brian West 02/04/94 (03)

- \* Matrix:
- DW - Drinking Water
  - WW - Wastewater
  - GW - Groundwater
  - SW - Surface Water
  - IM - Impinger
  - FI - Filler
  - FP - Free Product
  - A/G - Air/Gas
  - SL - Sludge/Soil/Solid
  - OT - Other



# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

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

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
MW-1	Groundwater	Brian West		02/03/94	02/04/94		
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	KP	1
Barium, Total Recoverable	0.05	0.17	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	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

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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

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
MW-2	Groundwater	Brian West		02/03/94	02/04/94		
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	KP	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	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 J. Gaone*  
Nick Gaone  
Inorganics Manager

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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-0396-3  
Project : Weyerhaeuser Alameda

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE		RECEIVED	
MW-3	Groundwater	Brian West		02/03/94	02/04/94		
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	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	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

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IN ANALYSIS

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-0396-4  
Project : Weyerhaeuser Alameda

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED				
MW-4	Groundwater	Brian West	02/03/94	02/04/94			
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	KP	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 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	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 J. Gaone*

Nick Gaone  
Inorganics Manager

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# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

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-0396-5  
Project : Weyerhaeuser Alameda

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
MW-5	Groundwater	Brian West		02/03/94	02/04/94		
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	KP	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 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	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

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# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

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-0396-6  
Project : Weyerhaeuser Alameda

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
MW-6	Groundwater	Brian West		02/03/94	02/04/94		
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	KP	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	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 J. Gaone*  
Nick Gaone  
Inorganics Manager

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EXCELLENCE  
IN ANALYSIS

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-0396-7  
Project : Weyerhaeuser Alameda

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
MW-7	Groundwater	Brian West		02/03/94	02/04/94		
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	0.005	mg/L	EPA 7060	02/09/94	KP	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 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	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

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EXCELLENCE  
IN ANALYSIS

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-0396-8  
Project : Weyerhaeuser Alameda

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
MW-9	Groundwater	Brian West		02/03/94	02/04/94		
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	KP	1
Barium, Total Recoverable	0.05	0.08	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	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/acb  
0594020701

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

Nick Gaone  
Inorganics Manager

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EXCELLENCE  
IN ANALYSIS

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-0396-9  
Project : Weyerhaeuser Alameda

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
MW-10	Groundwater	Brian West		02/03/94	02/04/94		
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	KP	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	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

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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

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
MW-11	Groundwater	Brian West		02/03/94	02/04/94		
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	KP	1
Barium, Total Recoverable	0.05	0.07	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	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

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IN ANALYSIS

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

QC Batch ID: 0594020701

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

METHOD BLANK  
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED					
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	KP	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	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  
JK0396-1

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

Nick Gaone  
Inorganics Manager

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EXCELLENCE  
IN ANALYSIS

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

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	SAMPLED BY		SAMPLED DATE RECEIVED						
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	KP	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	KP	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.

*Nick J. Gaone*

Nick Gaone  
Inorganics Manager

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EXCELLENCE  
IN ANALYSIS

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

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	SAMPLED BY		SAMPLED DATE RECEIVED				
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	KP 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	KP 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.

Nick Gaone  
Inorganics Manager

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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

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		SAMPLED DATE RECEIVED				
QC SPIKE	Aqueous							
CONSTITUENT	*PQL	SPIKE	RESULT	%REC	UNITS	METHOD	ANALYZED	BY NOTE
Total Oil & Grease	5.	10.	11.	110.	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)

02/16/94

NG/nfg/aob  
JK0396-1

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

*Nick J. Gaone*  
Nick Gaone  
Inorganics Manager

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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	SAMPLED DATE RECEIVED						
QC SPIKE DUPLICATE	Aqueous								
CONSTITUENT	*PQL	SPIKE	RESULT	%DIFF	UNITS	METHOD	ANALYZED	BY	NOTE
Total Oil & Grease	5.	10.	10.		9.5 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)

02/16/94

NG/nfg/aob  
JK0396-1

Respectfully submitted,  
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Nick Gaone  
Inorganics Manager

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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 1 of 3

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
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

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IN ANALYSIS

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	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
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  
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DT/et  
FIN2/021194W

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IN ANALYSIS

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 3 of 3

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
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)			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

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IN ANALYSIS

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 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE 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)

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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 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE 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	(78875)	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  
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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 RECEIVED	
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  
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FIN2/021194W

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

Dudley Torres  
Organics Manager

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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-0396-3  
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	SAMPLED DATE 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

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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-0396-3  
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-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)

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DT/et  
FIN2/021194W

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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-0396-3  
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  
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FIN2/021194W

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

  
Sudley Torres  
Organics Manager

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# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

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-0396-4  
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-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	
Chlorobenzene	(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)

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# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

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-0396-4  
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)

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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-0396-4  
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 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)

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

Dudley Torres  
Organics Manager

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IN ANALYSIS

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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-0396-5  
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 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.	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.	11.	

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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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-0396-5  
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 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	(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

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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-0396-5  
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	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)

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

  
Dudley Torres  
Organics Manager

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IN ANALYSIS

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

CLIENT: Brian W. West  
West & Associates Env. Engineers  
112 Peppereil Court  
Vacaville, CA 95688

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)

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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-0396-6  
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		
MW-6	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
1,2-Dichloroethane	(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

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(408) 955-9077

CLIENT: Brian W. West  
West & Associates Env. Engineers  
112 Pepperell Court  
Vacaville, CA 95688

Lab Number : JK-0396-6  
Project : Weyerhaeuser Alameda " " ..  
Analyzed : 02/11/94  
Analyzed by: MM  
Method : E624/8240

## REPORT OF ANALYTICAL RESULTS

Page 3 of 3

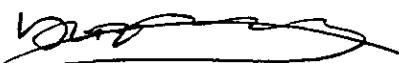
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-6	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Vinyl Acetate	(108054)	5.	ND	
Vinyl Chloride	(75014)	1.	ND	
Xylenes (total)	(1330207)	1.	ND	
Total Petroleum Hydrocarbons (Gasoline)		50.	ND	
Total 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

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Dudley Torres  
Organics Manager

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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-0396-7  
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-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.	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)

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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-0396-7  
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	
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

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NorCal Division (San Jose Laboratory)  
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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 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)

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

Dudley Torres  
Organics Manager

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# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

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-0396-8  
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 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  
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DT/et  
FIN2/021594W

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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	
MW-9	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
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

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Project : Weyerhaeuser Alameda  
Analyzed : 02/15/94  
Analyzed by: MM  
Method : E624/8240

## REPORT OF ANALYTICAL RESULTS

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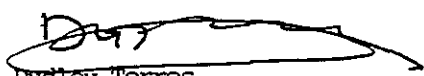
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-9	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Vinyl Acetate	(108054)	5.	ND	
Vinyl Chloride	(75014)	1.	ND	
Xylenes (total)	(1330207)	1.	14.	
Total Petroleum Hydrocarbons (Gasoline)		50.	1900.	
Total 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

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02/15/94  
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Respectfully submitted,  
COAST-TO-COAST ANALYTICAL SERVICES, INC.

  
Dudley Torres  
Organics Manager

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2059 Junction Ave.

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(408) 955-9077

CLIENT: Brian W. West  
West & Associates Env. Engineers  
112 Pepperell Court  
Vacaville, CA 95688

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 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
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)

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2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

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West & Associates Env. Engineers  
112 Pepperell Court  
Vacaville, CA 95688

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

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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

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02/15/94  
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Organics Manager

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2059 Junction Ave.

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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				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	

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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		
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.	ND		
1,1,1,2-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		

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Analyzed : 02/15/94  
Analyzed by: MM  
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## 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	RESULT	NOTE
		µg/L	µg/L	
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.	

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02/15/94  
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Organics Manager

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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 1 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
QC	Aqueous	Brian West		02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
VOLATILE ORGANIC COMPOUNDS					
Acetone	(67641)	20.	ND	1	
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

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## REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
QC	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.	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)

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Lab Number : JK-0396-11  
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Analyzed by: MM  
Method : E624/8240

## REPORT OF ANALYTICAL RESULTS

Page 3 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE 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 (Gasoline)		50.	ND		
Total Petroleum Hydrocarbons (Diesel)		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

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# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

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	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
METHOD BLANK	Aqueous				
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
VOLATILE ORGANIC COMPOUNDS					
Acetone	(67641)	20.	ND	1	
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		
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

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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	SAMPLED DATE RECEIVED		
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.	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		
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)

02/15/94

FIN2/021106B

DT/et

JK0396-1

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

Dudley Torres  
Organics Manager

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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 DATE RECEIVED		
MATRIX SPIKE	Aqueous				
CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT $\mu\text{g/L}$	%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,  
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Organics Manager

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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 DATE RECEIVED		
MATRIX SPIKE DUPLICATE	Aqueous					
CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT $\mu\text{g/L}$	%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

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IN ANALYSIS

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 SPIKE  
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
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,  
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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 SPIKE  
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

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

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IN ANALYSIS

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					
Acenaphthylene	(208968)	5.	ND	1	
Acenaphthene	(83329)	5.	ND		
Anthracene	(120127)	5.	ND		
Benzidine	(92875)	50.	ND		
Benzo(a)anthracene	(56553)	5.	ND		
Benzo(b)fluoranthene	(205992)	10.	ND		
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

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IN ANALYSIS

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 2 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
Dibenzo(a,h)anthracene	(53703)	5.	ND	
Di-n-butylphthalate	(84742)	10.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	
3,3-Dichlorobenzidine	(91941)	10.	ND	
Diethylphthalate	(84662)	5.	ND	
Dimethylphthalate	(131113)	5.	ND	
2,4-Dinitrotoluene	(121142)	5.	ND	
2,6-Dinitrotoluene	(606202)	5.	ND	
Di-n-octylphthalate	(117840)	10.	ND	
Fluoranthene	(206440)	5.	ND	
Fluorene	(86737)	5.	ND	
Hexachlorobenzene	(118741)	10.	ND	
Hexachlorobutadiene	(87683)	10.	ND	
Hexachlorocyclopentadiene	(77474)	50.	ND	
Hexachloroethane	(67721)	5.	ND	
Indeno(1,2,3-cd)pyrene	(193395)	5.	ND	
Isophorone	(78591)	5.	ND	
Methylnaphthalenes	(91576)	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  
MSD2/2P37B  
DT/et/dez  
BNA-020894A

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IN ANALYSIS

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 3 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	
Naphthalene	(91203)	5.	ND		
Nitrobenzene	(98953)	10.	ND		
N-Nitrosodimethylamine	(62759)	10.	ND		
N-Nitrosodiphenylamine	(86306)	10.	ND		
N-Nitrosodi-n-propylamine	(621647)	10.	ND		
Phenanthrene	(85018)	5.	ND		
Pyrene	(129000)	5.	ND		
Trichlorobenzene	(108703)	5.	ND		
4-Chloro-3-methylphenol	(59507)	10.	ND		
2-Chlorophenol	(95578)	10.	ND		
Cresols (total)		10.	ND		
2,4-Dichlorophenol	(120832)	10.	ND		
2,4-Dimethylphenol	(105679)	10.	ND		
2,4-Dinitrophenol	(51285)	10.	ND		
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND		
2-Nitrophenol	(88755)	10.	ND		
4-Nitrophenol	(100027)	20.	ND		
Pentachlorophenol	(87865)	10.	ND		
Phenol	(108952)	10.	ND		
2,4,6-Trichlorophenol	(88062)	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  
MSD2/2P37B  
DT/et/gez  
BNA-020894A

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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 4 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	
Aldrin	(309002)	5.	ND		
alpha BHC	(319846)	5.	ND		
beta BHC	(319857)	5.	ND		
delta-BHC	(319868)	5.	ND		
gamma BHC (Lindane)	(58899)	5.	ND		
p,p'-DDD	(72548)	5.	ND		
p,p'-DDE	(72559)	5.	ND		
p,p'-DDT	(50293)	5.	ND		
Dieldrin	(60571)	5.	ND		
Endosulfan I	(959988)	5.	ND		
Endosulfan II	(33213659)	5.	ND		
Endosulfan sulfate	(1031078)	5.	ND		
Endrin	(72208)	5.	ND		
Endrin aldehyde	(7421934)	5.	ND		
Heptachlor	(76448)	10.	ND		
Heptachlor epoxide	(1024573)	10.	ND		
Methoxychlor	(72435)	10.	ND		
AROCLOR 1016	(12674112)	200.	ND		
AROCLOR 1221	(11104282)	200.	ND		
AROCLOR 1232	(11141165)	200.	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  
MSD2/2P37B  
DT/et/dez  
BNA-020894A

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2059 Junction Ave.

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(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 5 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	NOTE
			µg/L	
AROCLOR 1242	(53469219)	200.	ND	
AROCLOR 1248	(12672296)	200.	ND	
AROCLOR 1254	(11097691)	200.	ND	
AROCLOR 1260	(11096825)	200.	ND	
Phenol-d5 (Surrogate % Recovery)			22.	
2-Fluorophenol (Surrogate % Recovery)			31.	
2,4,6-Tribromophenol (Surrogate % Recovery)			71.	
Nitrobenzene-d5 (Surrogate % Recovery)			53.	
2-Fluorobiphenyl (Surrogate % Recovery)			63.	
4-Terphenyl-d14 (Surrogate % Recovery)			69.	

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  
MSD2/2P37B  
DT/et/dez  
BNA-020894A

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

Dudley Torres  
Organics Manager

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EXCELLENCE  
IN ANALYSIS

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 : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-2	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.	ND	
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  
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EXCELLENCE  
IN ANALYSIS

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 : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-2	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Dibenzo(a,h)anthracene	(53703)	5.	ND	
Di-n-butylphthalate	(84742)	10.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	
3,3-Dichlorobenzidine	(91941)	10.	ND	
Diethylphthalate	(84662)	5.	ND	
Dimethylphthalate	(131113)	5.	ND	
2,4-Dinitrotoluene	(121142)	5.	ND	
2,6-Dinitrotoluene	(606202)	5.	ND	
Di-n-octylphthalate	(117840)	10.	ND	
Fluoranthene	(206440)	5.	ND	
Fluorene	(86737)	5.	ND	
Hexachlorobenzene	(118741)	10.	ND	
Hexachlorobutadiene	(87683)	10.	ND	
Hexachlorocyclopentadiene	(77474)	50.	ND	
Hexachloroethane	(67721)	5.	ND	
Indeno(1,2,3-cd)pyrene	(193395)	5.	ND	
Isophorone	(78591)	5.	ND	
Methylnaphthalenes	(91576)	5.	ND	

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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## REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-2	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Naphthalene	(91203)	5.	19.	
Nitrobenzene	(98953)	10.	ND	
N-Nitrosodimethylamine	(62759)	10.	ND	
N-Nitrosodiphenylamine	(86306)	10.	ND	
N-Nitrosodi-n-propylamine	(621647)	10.	ND	
Phenanthrene	(85018)	5.	ND	
Pyrene	(129000)	5.	ND	
Trichlorobenzene	(108703)	5.	ND	
4-Chloro-3-methylphenol	(59507)	10.	ND	
2-Chlorophenol	(95578)	10.	ND	
Cresols (total)		10.	ND	
2,4-Dichlorophenol	(120832)	10.	ND	
2,4-Dimethylphenol	(105679)	10.	ND	
2,4-Dinitrophenol	(51285)	10.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND	
2-Nitrophenol	(88755)	10.	ND	
4-Nitrophenol	(100027)	20.	ND	
Pentachlorophenol	(87865)	50.	ND	
Phenol	(108952)	10.	ND	
2,4,6-Trichlorophenol	(88062)	10.	ND	

San Jose Lab Certifications: CAELAP #1204

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REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-2	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Aldrin	(309002)	5.	ND	
alpha BHC	(319846)	5.	ND	
beta BHC	(319857)	5.	ND	
delta-BHC	(319868)	5.	ND	
gamma BHC (Lindane)	(58899)	5.	ND	
P,P'-DDD	(72548)	5.	ND	
P,P'-DDE	(72559)	5.	ND	
P,P'-DDT	(50293)	5.	ND	
Dieldrin	(60571)	5.	ND	
Endosulfan I	(959988)	5.	ND	
Endosulfan II	(33213659)	5.	ND	
Endosulfan sulfate	(1031078)	5.	ND	
Endrin	(72208)	5.	ND	
Endrin aldehyde	(7421934)	5.	ND	
Heptachlor	(76448)	10.	ND	
Heptachlor epoxide	(1024573)	10.	ND	
Methoxychlor	(72435)	10.	ND	
AROCLOR 1016	(12674112)	200.	ND	
AROCLOR 1221	(11104282)	200.	ND	
AROCLOR 1232	(11141165)	200.	ND	

San Jose Lab Certifications: CAELAP #1204

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Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

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SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-2	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
AROCLOR 1242	(53469219)	200.	ND	
AROCLOR 1248	(12672296)	200.	ND	
AROCLOR 1254	(11097691)	200.	ND	
AROCLOR 1260	(11096825)	200.	ND	
Phenol-d5 (Surrogate % Recovery)			20.	
2-Fluorophenol (Surrogate % Recovery)			25.	
2,4,6-Tribromophenol (Surrogate % Recovery)			75.	
Nitrobenzene-d5 (Surrogate % Recovery)			44.	
2-Fluorobiphenyl (Surrogate % Recovery)			56.	
4-Terphenyl-d14 (Surrogate % Recovery)			71.	

San Jose Lab Certifications: CAELAP #1204

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

  
Dudley Torres  
Organics Manager

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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-0396-3  
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-3	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.	ND	
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

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MW-3	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Dibenzo(a,h)anthracene	(53703)	5.	ND	
Di-n-butylphthalate	(84742)	10.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	
3,3-Dichlorobenzidine	(91941)	10.	ND	
Diethylphthalate	(84662)	5.	ND	
Dimethylphthalate	(131113)	5.	ND	
2,4-Dinitrotoluene	(121142)	5.	ND	
2,6-Dinitrotoluene	(606202)	5.	ND	
Di-n-octylphthalate	(117840)	10.	ND	
Fluoranthene	(206440)	5.	ND	
Fluorene	(86737)	5.	ND	
Hexachlorobenzene	(118741)	10.	ND	
Hexachlorobutadiene	(87683)	10.	ND	
Hexachlorocyclopentadiene	(77474)	50.	ND	
Hexachloroethane	(67721)	5.	ND	
Indeno(1,2,3-cd)pyrene	(193395)	5.	ND	
Isophorone	(78591)	5.	ND	
Methylnaphthalenes	(91576)	5.	45.	

San Jose Lab Certifications: CAELAP #1204

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## REPORT OF ANALYTICAL RESULTS

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MW-3	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Naphthalene	(91203)	5.	170.	
Nitrobenzene	(98953)	10.	ND	
N-Nitrosodimethylamine	(62759)	10.	ND	
N-Nitrosodiphenylamine	(86306)	10.	ND	
N-Nitrosodi-n-propylamine	(621647)	10.	ND	
Phenanthrene	(85018)	5.	ND	
Pyrene	(129000)	5.	ND	
Trichlorobenzene	(108703)	5.	ND	
4-Chloro-3-methylphenol	(59507)	10.	ND	
2-Chlorophenol	(95578)	10.	ND	
Cresols (total)		10.	ND	
2,4-Dichlorophenol	(120832)	10.	ND	
2,4-Dimethylphenol	(105679)	10.	ND	
2,4-Dinitrophenol	(51285)	10.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND	
2-Nitrophenol	(88755)	10.	ND	
4-Nitrophenol	(100027)	20.	ND	
Pentachlorophenol	(87865)	10.	ND	
Phenol	(108952)	10.	ND	
2,4,6-Trichlorophenol	(88062)	10.	ND	

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MW-3	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Aldrin	(309002)	5.	ND	
alpha BHC	(319846)	5.	ND	
beta BHC	(319857)	5.	ND	
delta-BHC	(319868)	5.	ND	
gamma BHC (Lindane)	(58899)	5.	ND	
P,P'-DDD	(72548)	5.	ND	
P,P'-DDE	(72559)	5.	ND	
P,P'-DDT	(50293)	5.	ND	
Dieldrin	(60571)	5.	ND	
Endosulfan I	(959988)	5.	ND	
Endosulfan II	(33213659)	5.	ND	
Endosulfan sulfate	(1031078)	5.	ND	
Endrin	(72208)	5.	ND	
Endrin aldehyde	(7421934)	5.	ND	
Heptachlor	(76448)	10.	ND	
Heptachlor epoxide	(1024573)	10.	ND	
Methoxychlor	(72435)	10.	ND	
AROCLOR 1016	(12674112)	200.	ND	
AROCLOR 1221	(11104282)	200.	ND	
AROCLOR 1232	(11141165)	200.	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  
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MW-3	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
AROCLOR 1242	(53469219)	200.	ND	
AROCLOR 1248	(12672296)	200.	ND	
AROCLOR 1254	(11097691)	200.	ND	
AROCLOR 1260	(11096825)	200.	ND	
Phenol-d5 (Surrogate % Recovery)			22.	
2-Fluorophenol (Surrogate % Recovery)			22.	
2,4,6-Tribromophenol (Surrogate % Recovery)			86.	
Nitrobenzene-d5 (Surrogate % Recovery)			54.	
2-Fluorobiphenyl (Surrogate % Recovery)			58.	
4-Terphenyl-d14 (Surrogate % Recovery)			70.	

San Jose Lab Certifications: CAELAP #1204

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Budley Torres  
Organics Manager

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(408) 955-9077

CLIENT: Brian W. West  
West & Associates Env. Engineers  
112 Pepperell Court  
Vacaville, CA 95688

Lab Number : JK-0396-4  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

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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
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.	ND	
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)

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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-0396-4  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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
Dibenzo(a,h)anthracene	(53703)	5.	ND	
Di-n-butylphthalate	(84742)	10.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	
3,3-Dichlorobenzidine	(91941)	10.	ND	
Diethylphthalate	(84662)	5.	ND	
Dimethylphthalate	(131113)	5.	ND	
2,4-Dinitrotoluene	(121142)	5.	ND	
2,6-Dinitrotoluene	(606202)	5.	ND	
Di-n-octylphthalate	(117840)	10.	ND	
Fluoranthene	(206440)	5.	ND	
Fluorene	(86737)	5.	ND	
Hexachlorobenzene	(118741)	10.	ND	
Hexachlorobutadiene	(87683)	10.	ND	
Hexachlorocyclopentadiene	(77474)	50.	ND	
Hexachloroethane	(67721)	5.	ND	
Indeno(1,2,3-cd)pyrene	(193395)	5.	ND	
Isophorone	(78591)	5.	ND	
Methylnaphthalenes	(91576)	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  
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# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

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-0396-4  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

### REPORT OF ANALYTICAL RESULTS

Page 3 of 5

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
Naphthalene	(91203)	5.	ND	
Nitrobenzene	(98953)	10.	ND	
N-Nitrosodimethylamine	(62759)	10.	ND	
N-Nitrosodiphenylamine	(86306)	10.	ND	
N-Nitrosodi-n-propylamine	(621647)	10.	ND	
Phenanthrene	(85018)	5.	ND	
Pyrene	(129000)	5.	ND	
Trichlorobenzene	(108703)	5.	ND	
4-Chloro-3-methylphenol	(59507)	10.	ND	
2-Chlorophenol	(95578)	10.	ND	
Cresols (total)		10.	ND	
2,4-Dichlorophenol	(120832)	10.	ND	
2,4-Dimethylphenol	(105679)	10.	ND	
2,4-Dinitrophenol	(51285)	10.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND	
2-Nitrophenol	(88755)	10.	ND	
4-Nitrophenol	(100027)	20.	ND	
Pentachlorophenol	(87865)	10.	ND	
Phenol	(108952)	10.	ND	
2,4,6-Trichlorophenol	(88062)	10.	ND	

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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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-0396-4  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 4 of 5

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
Aldrin		(309002)	5.	ND	
alpha BHC		(319846)	5.	ND	
beta BHC		(319857)	5.	ND	
delta-BHC		(319868)	5.	ND	
gamma BHC (Lindane)		(58899)	5.	ND	
p,p'-DDD		(72548)	5.	ND	
p,p'-DDE		(72559)	5.	ND	
p,p'-DDT		(50293)	5.	ND	
Dieldrin		(60571)	5.	ND	
Endosulfan I		(959988)	5.	ND	
Endosulfan II		(33213659)	5.	ND	
Endosulfan sulfate		(1031078)	5.	ND	
Endrin		(72208)	5.	ND	
Endrin aldehyde		(7421934)	5.	ND	
Heptachlor		(76448)	10.	ND	
Heptachlor epoxide		(1024573)	10.	ND	
Methoxychlor		(72435)	10.	ND	
AROCLOR 1016		(12674112)	200.	ND	
AROCLOR 1221		(11104282)	200.	ND	
AROCLOR 1232		(11141165)	200.	ND	

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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Lab Number : JK-0396-4  
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Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 5 of 5

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
AROCLOR 1242	(53469219)	200.	ND	
AROCLOR 1248	(12672296)	200.	ND	
AROCLOR 1254	(11097691)	200.	ND	
AROCLOR 1260	(11096825)	200.	ND	
Phenol-d5 (Surrogate % Recovery)			22.	
2-Fluorophenol (Surrogate % Recovery)			29.	
2,4,6-Tribromophenol (Surrogate % Recovery)			74.	
Nitrobenzene-d5 (Surrogate % Recovery)			54.	
2-Fluorobiphenyl (Surrogate % Recovery)			68.	
4-Terphenyl-d14 (Surrogate % Recovery)			67.	

San Jose Lab Certifications: CAELAP #1204

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

  
Dudley Torres  
Organics Manager

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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-0396-5  
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-5	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	
Benzdine	(92875)	50.	ND	
Benzo(a)anthracene	(56553)	5.	ND	
Benzo(b)fluoranthene	(205992)	10.	ND	
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

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2059 Junction Ave.

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(408) 955-9077

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112 Pepperell Court  
Vacaville, CA 95688

Lab Number : JK-0396-5  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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
Dibenzo(a,h)anthracene	(53703)	5.	ND	
Di-n-butylphthalate	(84742)	10.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	
3,3-Dichlorobenzidine	(91941)	10.	ND	
Diethylphthalate	(84662)	5.	ND	
Dimethylphthalate	(131113)	5.	ND	
2,4-Dinitrotoluene	(121142)	5.	ND	
2,6-Dinitrotoluene	(606202)	5.	ND	
Di-n-octylphthalate	(117840)	10.	ND	
Fluoranthene	(206440)	5.	ND	
Fluorene	(86737)	5.	ND	
Hexachlorobenzene	(118741)	10.	ND	
Hexachlorobutadiene	(87683)	10.	ND	
Hexachlorocyclopentadiene	(77474)	50.	ND	
Hexachloroethane	(67721)	5.	ND	
Indeno(1,2,3-cd)pyrene	(193395)	5.	ND	
Isophorone	(78591)	5.	ND	
Methylnaphthalenes	(91576)	5.	ND	

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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MW-5	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Naphthalene	(91203)	5.	ND	
Nitrobenzene	(98953)	10.	ND	
N-Nitrosodimethylamine	(62759)	10.	ND	
N-Nitrosodiphenylamine	(86306)	10.	ND	
N-Nitrosodi-n-propylamine	(621647)	10.	ND	
Phenanthrene	(85018)	5.	ND	
Pyrene	(129000)	5.	ND	
Trichlorobenzene	(108703)	5.	ND	
4-Chloro-3-methylphenol	(59507)	10.	ND	
2-Chlorophenol	(95578)	10.	ND	
Cresols (total)		10.	ND	
2,4-Dichlorophenol	(120832)	10.	ND	
2,4-Dimethylphenol	(105679)	10.	ND	
2,4-Dinitrophenol	(51285)	10.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND	
2-Nitrophenol	(88755)	10.	ND	
4-Nitrophenol	(100027)	20.	ND	
Pentachlorophenol	(87865)	10.	ND	
Phenol	(108952)	10.	ND	
2,4,6-Trichlorophenol	(88062)	10.	ND	

San Jose Lab Certifications: CAELAP #1204

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## REPORT OF ANALYTICAL RESULTS

Page 4 of 5

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
Aldrin	(309002)	5.	ND	
alpha BHC	(319846)	5.	ND	
beta BHC	(319857)	5.	ND	
delta-BHC	(319868)	5.	ND	
gamma BHC (Lindane)	(58899)	5.	ND	
p,p'-DDD	(72548)	5.	ND	
p,p'-DDE	(72559)	5.	ND	
p,p'-DDT	(50293)	5.	ND	
Dieldrin	(60571)	5.	ND	
Endosulfan I	(959988)	5.	ND	
Endosulfan II	(33213659)	5.	ND	
Endosulfan sulfate	(1031078)	5.	ND	
Endrin	(72208)	5.	ND	
Endrin aldehyde	(7421934)	5.	ND	
Heptachlor	(76448)	10.	ND	
Heptachlor epoxide	(1024573)	10.	ND	
Methoxychlor	(72435)	10.	ND	
AROCLOR 1016	(12674112)	200.	ND	
AROCLOR 1221	(11104282)	200.	ND	
AROCLOR 1232	(11141165)	200.	ND	

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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Lab Number : JK-0396-5  
Project : Weyerhaeuser Alameda  
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## REPORT OF ANALYTICAL RESULTS

Page 5 of 5

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
AROCLOR 1242	(53469219)	200.	ND	
AROCLOR 1248	(12672296)	200.	ND	
AROCLOR 1254	(11097691)	200.	ND	
AROCLOR 1260	(11096825)	200.	ND	
Phenol-d5 (Surrogate % Recovery)			15.	
2-Fluorophenol (Surrogate % Recovery)			21.	
2,4,6-Tribromophenol (Surrogate % Recovery)			46.	
Nitrobenzene-d5 (Surrogate % Recovery)			35.	
2-Fluorobiphenyl (Surrogate % Recovery)			42.	
4-Terphenyl-d14 (Surrogate % Recovery)			69.	

San Jose Lab Certifications: CAELAP #1204

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Dudley Torres  
Organics Manager

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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-0396-6  
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-6	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.	ND		
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

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112 Pepperell Court  
Vacaville, CA 95688

Lab Number : JK-0396-6  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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
Dibenzo(a,h)anthracene	(53703)	5.	ND	
Di-n-butylphthalate	(84742)	10.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	
3,3-Dichlorobenzidine	(91941)	10.	ND	
Diethylphthalate	(84662)	5.	ND	
Dimethylphthalate	(131113)	5.	ND	
2,4-Dinitrotoluene	(121142)	5.	ND	
2,6-Dinitrotoluene	(606202)	5.	ND	
Di-n-octylphthalate	(117840)	10.	ND	
Fluoranthene	(206440)	5.	ND	
Fluorene	(86737)	5.	ND	
Hexachlorobenzene	(118741)	10.	ND	
Hexachlorobutadiene	(87683)	10.	ND	
Hexachlorocyclopentadiene	(77474)	50.	ND	
Hexachloroethane	(67721)	5.	ND	
Indeno(1,2,3-cd)pyrene	(193395)	5.	ND	
Isophorone	(78591)	5.	ND	
Methylnaphthalenes	(91576)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

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Lab Number : JK-0396-6  
Project : Weyerhaeuser Alameda ..  
Analyzed : 02/14/94  
Analyzed by: DZ  
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## REPORT OF ANALYTICAL RESULTS

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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
Naphthalene	(91203)	5.	ND	
Nitrobenzene	(98953)	10.	ND	
N-Nitrosodimethylamine	(62759)	10.	ND	
N-Nitrosodiphenylamine	(86306)	10.	ND	
N-Nitrosodi-n-propylamine	(621647)	10.	ND	
Phenanthrene	(85018)	5.	ND	
Pyrene	(129000)	5.	ND	
Trichlorobenzene	(108703)	5.	ND	
4-Chloro-3-methylphenol	(59507)	10.	ND	
2-Chlorophenol	(95578)	10.	ND	
Cresols (total)		10.	ND	
2,4-Dichlorophenol	(120832)	10.	ND	
2,4-Dimethylphenol	(105679)	10.	ND	
2,4-Dinitrophenol	(51285)	10.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND	
2-Nitrophenol	(88755)	10.	ND	
4-Nitrophenol	(100027)	20.	ND	
Pentachlorophenol	(87865)	10.	ND	
Phenol	(108952)	10.	ND	
2,4,6-Trichlorophenol	(88062)	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  
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DT/et/dez  
BNA-020894A

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EXCELLENCE  
IN ANALYSIS

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-0396-6  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 4 of 5

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	
Aldrin	(309002)	5.	ND		
alpha BHC	(319846)	5.	ND		
beta BHC	(319857)	5.	ND		
delta-BHC	(319868)	5.	ND		
gamma BHC (Lindane)	(58899)	5.	ND		
p,p'-DDD	(72548)	5.	ND		
p,p'-DDE	(72559)	5.	ND		
p,p'-DDT	(50293)	5.	ND		
Dieldrin	(60571)	5.	ND		
Endosulfan I	(959988)	5.	ND		
Endosulfan II	(33213659)	5.	ND		
Endosulfan sulfate	(1031078)	5.	ND		
Endrin	(72208)	5.	ND		
Endrin aldehyde	(7421934)	5.	ND		
Heptachlor	(76448)	10.	ND		
Heptachlor epoxide	(1024573)	10.	ND		
Methoxychlor	(72435)	10.	ND		
AROCLOR 1016	(12674112)	200.	ND		
AROCLOR 1221	(11104282)	200.	ND		
AROCLOR 1232	(11141165)	200.	ND		

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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NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

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West & Associates Env. Engineers  
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Lab Number : JK-0396-6  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
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## REPORT OF ANALYTICAL RESULTS

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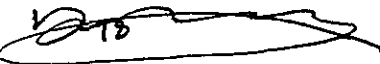
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
MW-6	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT	NOTE	
AROCLOR 1242	(53469219)	200.	ND		
AROCLOR 1248	(12672296)	200.	ND		
AROCLOR 1254	(11097691)	200.	ND		
AROCLOR 1260	(11096825)	200.	ND		
Phenol-d5 (Surrogate % Recovery)			14.		
2-Fluorophenol (Surrogate % Recovery)			20.		
2,4,6-Tribromophenol (Surrogate % Recovery)			41.		
Nitrobenzene-d5 (Surrogate % Recovery)			34.		
2-Fluorobiphenyl (Surrogate % Recovery)			39.		
4-Terphenyl-d14 (Surrogate % Recovery)			62.		

San Jose Lab Certifications: CAELAP #1204

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

  
Dudley Torres  
Organics Manager

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IN ANALYSIS

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-0396-7  
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-7	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.	ND	
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

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Lab Number : JK-0396-7  
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Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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
Dibenzo(a,h)anthracene	(53703)	5.	ND	
Di-n-butylphthalate	(84742)	10.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	
3,3-Dichlorobenzidine	(91941)	10.	ND	
Diethylphthalate	(84662)	5.	ND	
Dimethylphthalate	(131113)	5.	ND	
2,4-Dinitrotoluene	(121142)	5.	ND	
2,6-Dinitrotoluene	(606202)	5.	ND	
Di-n-octylphthalate	(117840)	10.	ND	
Fluoranthene	(206440)	5.	ND	
Fluorene	(86737)	5.	ND	
Hexachlorobenzene	(118741)	10.	ND	
Hexachlorobutadiene	(87683)	10.	ND	
Hexachlorocyclopentadiene	(77474)	50.	ND	
Hexachloroethane	(67721)	5.	ND	
Indeno(1,2,3-cd)pyrene	(193395)	5.	ND	
Isophorone	(78591)	5.	ND	
Methylnaphthalenes	(91576)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

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Analyzed by: DZ  
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## REPORT OF ANALYTICAL RESULTS

Page 3 of 5

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
Naphthalene	(91203)	5.	ND	
Nitrobenzene	(98953)	10.	ND	
N-Nitrosodimethylamine	(62759)	10.	ND	
N-Nitrosodiphenylamine	(86306)	10.	ND	
N-Nitrosodi-n-propylamine	(621647)	10.	ND	
Phenanthrene	(85018)	5.	ND	
Pyrene	(129000)	5.	ND	
Trichlorobenzene	(108703)	5.	ND	
4-Chloro-3-methylphenol	(59507)	10.	ND	
2-Chlorophenol	(95578)	10.	ND	
Cresols (total)		10.	ND	
2,4-Dichlorophenol	(120832)	10.	ND	
2,4-Dimethylphenol	(105679)	10.	ND	
2,4-Dinitrophenol	(51285)	10.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND	
2-Nitrophenol	(88755)	10.	ND	
4-Nitrophenol	(100027)	20.	ND	
Pentachlorophenol	(87865)	10.	ND	
Phenol	(108952)	10.	ND	
2,4,6-Trichlorophenol	(88062)	10.	ND	

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## REPORT OF ANALYTICAL RESULTS

Page 4 of 5

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
Aldrin	(309002)	5.	ND	
alpha BHC	(319846)	5.	ND	
beta BHC	(319857)	5.	ND	
delta-BHC	(319868)	5.	ND	
gamma BHC (Lindane)	(58899)	5.	ND	
p,p'-DDD	(72548)	5.	ND	
p,p'-DDE	(72559)	5.	ND	
p,p'-DDT	(50293)	5.	ND	
Dieldrin	(60571)	5.	ND	
Endosulfan I	(959988)	5.	ND	
Endosulfan II	(33213659)	5.	ND	
Endosulfan sulfate	(1031078)	5.	ND	
Endrin	(72208)	5.	ND	
Endrin aldehyde	(7421934)	5.	ND	
Heptachlor	(76448)	10.	ND	
Heptachlor epoxide	(1024573)	10.	ND	
Methoxychlor	(72435)	10.	ND	
AROCLOR 1016	(12674112)	200.	ND	
AROCLOR 1221	(11104282)	200.	ND	
AROCLOR 1232	(11141165)	200.	ND	

San Jose Lab Certifications: CAELAP #1204

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Analyzed : 02/14/94  
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## REPORT OF ANALYTICAL RESULTS

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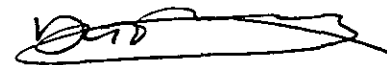
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-7	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL μg/L	RESULT μg/L	NOTE
AROCLOR 1242	(53469219)	200.	ND	
AROCLOR 1248	(12672296)	200.	ND	
AROCLOR 1254	(11097691)	200.	ND	
AROCLOR 1260	(11096825)	200.	ND	
Phenol-d5 (Surrogate % Recovery)			14.	
2-Fluorophenol (Surrogate % Recovery)			20.	
2,4,6-Tribromophenol (Surrogate % Recovery)			49.	
Nitrobenzene-d5 (Surrogate % Recovery)			30.	
2-Fluorobiphenyl (Surrogate % Recovery)			35.	
4-Terphenyl-d14 (Surrogate % Recovery)			37.	

San Jose Lab Certifications: CAELAP #1204

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COAST-TO-COAST ANALYTICAL SERVICES, INC.

  
Dudley Torres  
Organics Manager

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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-0396-8  
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-9	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.	ND	
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

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Lab Number : JK-0396-8  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
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Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-9	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Dibenzo(a,h)anthracene	(53703)	5.	ND	
Di-n-butylphthalate	(84742)	10.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	
3,3-Dichlorobenzidine	(91941)	10.	ND	
Diethylphthalate	(84662)	5.	ND	
Dimethylphthalate	(131113)	5.	ND	
2,4-Dinitrotoluene	(121142)	5.	ND	
2,6-Dinitrotoluene	(606202)	5.	ND	
Di-n-octylphthalate	(117840)	10.	ND	
Fluoranthene	(206440)	5.	ND	
Fluorene	(86737)	5.	ND	
Hexachlorobenzene	(118741)	10.	ND	
Hexachlorobutadiene	(87683)	10.	ND	
Hexachlorocyclopentadiene	(77474)	50.	ND	
Hexachloroethane	(67721)	5.	ND	
Indeno(1,2,3-cd)pyrene	(193395)	5.	ND	
Isophorone	(78591)	5.	ND	
Methylnaphthalenes	(91576)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

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## REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-9	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Naphthalene	(91203)	5.	ND	
Nitrobenzene	(98953)	10.	ND	
N-Nitrosodimethylamine	(62759)	10.	ND	
N-Nitrosodiphenylamine	(86306)	10.	ND	
N-Nitrosodi-n-propylamine	(621647)	10.	ND	
Phenanthrene	(85018)	5.	ND	
Pyrene	(129000)	5.	ND	
Trichlorobenzene	(108703)	5.	ND	
4-Chloro-3-methylphenol	(59507)	10.	ND	
2-Chlorophenol	(95578)	10.	ND	
Cresols (total)		10.	ND	
2,4-Dichlorophenol	(120832)	10.	ND	
2,4-Dimethylphenol	(105679)	10.	ND	
2,4-Dinitrophenol	(51285)	10.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND	
2-Nitrophenol	(88755)	10.	ND	
4-Nitrophenol	(100027)	20.	ND	
Pentachlorophenol	(87865)	10.	ND	
Phenol	(108952)	10.	ND	
2,4,6-Trichlorophenol	(88062)	10.	ND	

San Jose Lab Certifications: CAELAP #1204

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Vacaville, CA 95688

Lab Number : JK-0396-8  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-9	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Aldrin		(309002)	5.	ND	
alpha BHC		(319846)	5.	ND	
beta BHC		(319857)	5.	ND	
delta-BHC		(319868)	5.	ND	
gamma BHC (Lindane)		(58899)	5.	ND	
p,p'-DDD		(72548)	5.	ND	
p,p'-DDE		(72559)	5.	ND	
p,p'-DDT		(50293)	5.	ND	
Dieldrin		(60571)	5.	ND	
Endosulfan I		(959988)	5.	ND	
Endosulfan II		(33213659)	5.	ND	
Endosulfan sulfate		(1031078)	5.	ND	
Endrin		(72208)	5.	ND	
Endrin aldehyde		(7421934)	5.	ND	
Heptachlor		(76448)	10.	ND	
Heptachlor epoxide		(1024573)	10.	ND	
Methoxychlor		(72435)	10.	ND	
AROCLOR 1016		(12674112)	200.	ND	
AROCLOR 1221		(11104282)	200.	ND	
AROCLOR 1232		(11141165)	200.	ND	

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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EXCELLENCE  
IN ANALYSIS

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-0396-8  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 5 of 5


SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-9	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL	RESULT	NOTE
		µg/L	µg/L	
AROCLOR 1242	(53469219)	200.	ND	
AROCLOR 1248	(12672296)	200.	ND	
AROCLOR 1254	(11097691)	200.	ND	
AROCLOR 1260	(11096825)	200.	ND	
Phenol-d5 (Surrogate % Recovery)			13.	
2-Fluorophenol (Surrogate % Recovery)			18.	
2,4,6-Tribromophenol (Surrogate % Recovery)			58.	
Nitrobenzene-d5 (Surrogate % Recovery)			31.	
2-Fluorobiphenyl (Surrogate % Recovery)			42.	
4-Terphenyl-d14 (Surrogate % Recovery)			55.	

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

  
Badley Torres  
Organics Manager

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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-0396-9  
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-10	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.	ND	
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

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NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
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Lab Number : JK-0396-9  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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
Dibenzo(a,h)anthracene	(53703)	5.	ND	
Di-n-butylphthalate	(84742)	10.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	
3,3-Dichlorobenzidine	(91941)	10.	ND	
Diethylphthalate	(84662)	5.	ND	
Dimethylphthalate	(131113)	5.	ND	
2,4-Dinitrotoluene	(121142)	5.	ND	
2,6-Dinitrotoluene	(606202)	5.	ND	
Di-n-octylphthalate	(117840)	10.	ND	
Fluoranthene	(206440)	5.	ND	
Fluorene	(86737)	5.	ND	
Hexachlorobenzene	(118741)	10.	ND	
Hexachlorobutadiene	(87683)	10.	ND	
Hexachlorocyclopentadiene	(77474)	50.	ND	
Hexachloroethane	(67721)	5.	ND	
Indeno(1,2,3-cd)pyrene	(193395)	5.	ND	
Isophorone	(78591)	5.	ND	
Methylnaphthalenes	(91576)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

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## REPORT OF ANALYTICAL RESULTS

Page 3 of 5

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
Naphthalene	(91203)	5.	ND	
Nitrobenzene	(98953)	10.	ND	
N-Nitrosodimethylamine	(62759)	10.	ND	
N-Nitrosodiphenylamine	(86306)	10.	ND	
N-Nitrosodi-n-propylamine	(621647)	10.	ND	
Phenanthrene	(85018)	5.	ND	
Pyrene	(129000)	5.	ND	
Trichlorobenzene	(108703)	5.	ND	
4-Chloro-3-methylphenol	(59507)	10.	ND	
2-Chlorophenol	(95578)	10.	ND	
Cresols (total)		10.	ND	
2,4-Dichlorophenol	(120832)	10.	ND	
2,4-Dimethylphenol	(105679)	10.	ND	
2,4-Dinitrophenol	(51285)	10.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND	
2-Nitrophenol	(88755)	10.	ND	
4-Nitrophenol	(100027)	20.	ND	
Pentachlorophenol	(87865)	10.	ND	
Phenol	(108952)	10.	ND	
2,4,6-Trichlorophenol	(88062)	10.	ND	

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## REPORT OF ANALYTICAL RESULTS

Page 4 of 5

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
Aldrin	(309002)	5.	ND	
alpha BHC	(319846)	5.	ND	
beta BHC	(319857)	5.	ND	
delta-BHC	(319868)	5.	ND	
gamma BHC (Lindane)	(58899)	5.	ND	
p,p'-DDD	(72548)	5.	ND	
p,p'-DDE	(72559)	5.	ND	
p,p'-DDT	(50293)	5.	ND	
Dieldrin	(60571)	5.	ND	
Endosulfan I	(959988)	5.	ND	
Endosulfan II	(33213659)	5.	ND	
Endosulfan sulfate	(1031078)	5.	ND	
Endrin	(72208)	5.	ND	
Endrin aldehyde	(7421934)	5.	ND	
Heptachlor	(76448)	10.	ND	
Heptachlor epoxide	(1024573)	10.	ND	
Methoxychlor	(72435)	10.	ND	
AROCLOR 1016	(12674112)	200.	ND	
AROCLOR 1221	(11104282)	200.	ND	
AROCLOR 1232	(11141165)	200.	ND	

San Jose Lab Certifications: CAELAP #1204

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## REPORT OF ANALYTICAL RESULTS

Page 5 of 5

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
AROCLOR 1242	(53469219)	200.	ND	
AROCLOR 1248	(12672296)	200.	ND	
AROCLOR 1254	(11097691)	200.	ND	
AROCLOR 1260	(11096825)	200.	ND	
Phenol-d5 (Surrogate % Recovery)			14.	
2-Fluorophenol (Surrogate % Recovery)			20.	
2,4,6-Tribromophenol (Surrogate % Recovery)			43.	
Nitrobenzene-d5 (Surrogate % Recovery)			37.	
2-Fluorobiphenyl (Surrogate % Recovery)			40.	
4-Terphenyl-d14 (Surrogate % Recovery)			54.	

San Jose Lab Certifications: CAELAP #1204

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COAST-TO-COAST ANALYTICAL SERVICES, INC.

  
Dudley Torres  
Organics Manager

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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 : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-11	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.	ND	
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	

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112 Pepperell Court  
Vacaville, CA 95688

Lab Number : JK-0396-10  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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
Dibenzo(a,h)anthracene	(53703)	5.	ND	
Di-n-butylphthalate	(84742)	10.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	
3,3-Dichlorobenzidine	(91941)	10.	ND	
Diethylphthalate	(84662)	5.	ND	
Dimethylphthalate	(131113)	5.	ND	
2,4-Dinitrotoluene	(121142)	5.	ND	
2,6-Dinitrotoluene	(606202)	5.	ND	
Di-n-octylphthalate	(117840)	10.	ND	
Fluoranthene	(206440)	5.	ND	
Fluorene	(86737)	5.	ND	
Hexachlorobenzene	(118741)	10.	ND	
Hexachlorobutadiene	(87683)	10.	ND	
Hexachlorocyclopentadiene	(77474)	50.	ND	
Hexachloroethane	(67721)	5.	ND	
Indeno(1,2,3-cd)pyrene	(193395)	5.	ND	
Isophorone	(78591)	5.	ND	
Methylnaphthalenes	(91576)	5.	ND	

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San Jose, CA 95131  
(408) 955-9077

CLIENT: Brian W. West  
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112 Peppereil Court  
Vacaville, CA 95688

Lab Number : JK-0396-10  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 3 of 5

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
Naphthalene	(91203)	5.	ND	
Nitrobenzene	(98953)	10.	ND	
N-Nitrosodimethylamine	(62759)	10.	ND	
N-Nitrosodiphenylamine	(86306)	10.	ND	
N-Nitrosodi-n-propylamine	(621647)	10.	ND	
Phenanthrene	(85018)	5.	ND	
Pyrene	(129000)	5.	ND	
Trichlorobenzene	(108703)	5.	ND	
4-Chloro-3-methylphenol	(59507)	10.	ND	
2-Chlorophenol	(95578)	10.	ND	
Cresols (total)		10.	ND	
2,4-Dichlorophenol	(120832)	10.	ND	
2,4-Dimethylphenol	(105679)	10.	ND	
2,4-Dinitrophenol	(51285)	10.	ND	
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND	
2-Nitrophenol	(88755)	10.	ND	
4-Nitrophenol	(100027)	20.	ND	
Pentachlorophenol	(87865)	10.	ND	
Phenol	(108952)	10.	ND	
2,4,6-Trichlorophenol	(88062)	10.	ND	

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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 : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 4 of 5

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
Aldrin	(309002)	5.	ND	
alpha BHC	(319846)	5.	ND	
beta BHC	(319857)	5.	ND	
delta-BHC	(319868)	5.	ND	
gamma BHC (Lindane)	(58899)	5.	ND	
p,p'-DDD	(72548)	5.	ND	
p,p'-DDE	(72559)	5.	ND	
p,p'-DDT	(50293)	5.	ND	
Dieldrin	(60571)	5.	ND	
Endosulfan I	(959988)	5.	ND	
Endosulfan II	(33213659)	5.	ND	
Endosulfan sulfate	(1031078)	5.	ND	
Endrin	(72208)	5.	ND	
Endrin aldehyde	(7421934)	5.	ND	
Heptachlor	(76448)	10.	ND	
Heptachlor epoxide	(1024573)	10.	ND	
Methoxychlor	(72435)	10.	ND	
AROCLOR 1016	(12674112)	200.	ND	
AROCLOR 1221	(11104282)	200.	ND	
AROCLOR 1232	(11141165)	200.	ND	

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Vacaville, CA 95688

Lab Number : JK-0396-10  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 5 of 5

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
AROCLOR 1242	(53469219)	200.	ND	
AROCLOR 1248	(12672296)	200.	ND	
AROCLOR 1254	(11097691)	200.	ND	
AROCLOR 1260	(11096825)	200.	ND	
Phenol-d5 (Surrogate % Recovery)			18.	
2-Fluorophenol (Surrogate % Recovery)			23.	
2,4,6-Tribromophenol (Surrogate % Recovery)			54.	
Nitrobenzene-d5 (Surrogate % Recovery)			37.	
2-Fluorobiphenyl (Surrogate % Recovery)			46.	
4-Terphenyl-d14 (Surrogate % Recovery)			71.	

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  
MSD2/2P40B  
DT/et/dez  
BNA-020894A

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

  
Dudley Torres  
Organics Manager

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# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

QC Batch ID: BNA-020894A

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

Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

METHOD BLANK  
REPORT OF ANALYTICAL RESULTS

Page 1 of 4

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
METHOD BLANK	Aqueous				
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
SEMIVOLATILE ORGANIC COMPOUNDS					
Acenaphthylene	(208968)	5.	ND	1	
Acenaphthene	(83329)	5.	ND		
Anthracene	(120127)	5.	ND		
Benzidine	(92875)	50.	ND		
Benzo(a)anthracene	(56553)	5.	ND		
Benzo(b)fluoranthene	(205992)	10.	ND		
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		
Dibenzo(a,h)anthracene	(53703)	5.	ND		
Di-n-butylphthalate	(84742)	10.	ND		
1,2-Dichlorobenzene	(95501)	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  
MSD2/2P34B  
DT/et/dez  
JK0396-1

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EXCELLENCE  
IN ANALYSIS

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

QC Batch ID: BNA-020894A

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

Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

METHOD BLANK  
REPORT OF ANALYTICAL RESULTS

Page 2 of 4

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
METHOD BLANK	Aqueous				
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
1,3-Dichlorobenzene	(541731)	5.	ND		
1,4-Dichlorobenzene	(106467)	5.	ND		
3,3-Dichlorobenzidine	(91941)	10.	ND		
Diethylphthalate	(84662)	5.	ND		
Dimethylphthalate	(131113)	5.	ND		
2,4-Dinitrotoluene	(121142)	5.	ND		
2,6-Dinitrotoluene	(606202)	5.	ND		
Di-n-octylphthalate	(117840)	10.	ND		
Fluoranthene	(206440)	5.	ND		
Fluorene	(86737)	5.	ND		
Hexachlorobenzene	(118741)	10.	ND		
Hexachlorobutadiene	(87683)	10.	ND		
Hexachlorocyclopentadiene	(77474)	50.	ND		
Hexachloroethane	(67721)	5.	ND		
Indeno(1,2,3-cd)pyrene	(193395)	5.	ND		
Isophorone	(78591)	5.	ND		
Methylnaphthalenes	(91576)	5.	ND		
Naphthalene	(91203)	5.	ND		
Nitrobenzene	(98953)	10.	ND		
N-Nitrosodimethylamine	(62759)	10.	ND		
N-Nitrosodiphenylamine	(86306)	10.	ND		
N-Nitrosodi-n-propylamine	(621647)	10.	ND		
Phenanthrene	(85018)	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  
MSD2/2P34B  
DT/et/dez  
JK0396-1

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IN ANALYSIS

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

QC Batch ID: BNA-020894A

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

Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

METHOD BLANK  
REPORT OF ANALYTICAL RESULTS

Page 3 of 4

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
METHOD BLANK	Aqueous				
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Pyrene	(129000)	5.	ND		
Trichlorobenzene	(108703)	5.	ND		
4-Chloro-3-methylphenol	(59507)	10.	ND		
2-Chlorophenol	(95578)	10.	ND		
Cresols (total)		10.	ND		
2,4-Dichlorophenol	(120832)	10.	ND		
2,4-Dimethylphenol	(105679)	10.	ND		
2,4-Dinitrophenol	(51285)	10.	ND		
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND		
2-Nitrophenol	(88755)	10.	ND		
4-Nitrophenol	(100027)	20.	ND		
Pentachlorophenol	(87865)	10.	ND		
Phenol	(108952)	10.	ND		
2,4,6-Trichlorophenol	(88062)	10.	ND		
Aldrin	(309002)	5.	ND		
alpha BHC	(319846)	5.	ND		
beta BHC	(319857)	5.	ND		
delta-BHC	(319868)	5.	ND		
gamma BHC (Lindane)	(58899)	5.	ND		
p,p'-DDD	(72548)	5.	ND		
p,p'-DDE	(72559)	5.	ND		
p,p'-DDT	(50293)	5.	ND		
Dieldrin	(60571)	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  
MSD2/2P34B  
DT/et/dez  
JK0396-1

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(408) 955-9077

QC Batch ID: BNA-020894A

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

Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

METHOD BLANK  
REPORT OF ANALYTICAL RESULTS

Page 4 of 4

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
METHOD BLANK	Aqueous				
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Endosulfan I	(959988)	5.	ND		
Endosulfan II	(33213659)	5.	ND		
Endosulfan sulfate	(1031078)	5.	ND		
Endrin	(72208)	5.	ND		
Endrin aldehyde	(7421934)	5.	ND		
Heptachlor	(76448)	10.	ND		
Heptachlor epoxide	(1024573)	10.	ND		
Methoxychlor	(72435)	10.	ND		
AROCLOR 1016	(12674112)	200.	ND		
AROCLOR 1221	(11104282)	200.	ND		
AROCLOR 1232	(11141165)	200.	ND		
AROCLOR 1242	(53469219)	200.	ND		
AROCLOR 1248	(12672296)	200.	ND		
AROCLOR 1254	(11097691)	200.	ND		
AROCLOR 1260	(11096825)	200.	ND		
Phenol-d5 (Surrogate % Recovery)			28.		
2-Fluorophenol (Surrogate % Recovery)			37.		
2,4,6-Tribromophenol (Surrogate % Recovery)			68.		
Nitrobenzene-d5 (Surrogate % Recovery)			64.		
2-Fluorobiphenyl (Surrogate % Recovery)			68.		
4-Terphenyl-d14 (Surrogate % Recovery)			74.		

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  
MSD2/2P34B  
DT/et/dez  
JK0396-1

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

Dudley Torres  
Organics Manager

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NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

QC Batch ID: BNA-020894A

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

Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

QC SPIKE  
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
QC SPIKE	Aqueous				
CONSTITUENT	*PQL µg/L	SPIKE AMOUNT	RESULT µg/L	%REC	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS					1
Acenaphthene	5.	100.	77.	77.	
1,4-Dichlorobenzene	5.	100.	60.	60.	
2,4-Dinitrotoluene	5.	100.	70.	70.	
N-Nitrosodi-n-propylamine	10.	100.	75.	75.	
Pyrene	5.	100.	92.	92.	
Trichlorobenzene	5.	100.	62.	62.	
4-Chloro-3-methylphenol	10.	200.	136.	68.	
2-Chlorophenol	10.	200.	116.	58.	
4-Nitrophenol	20.	200.	29.	15.	
Pentachlorophenol	10.	200.	160.	80.	
Phenol	10.	200.	60.	30.	

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  
MSD2/2P35B  
DT/et/dez  
JK0396-1

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

  
Dudley Torres  
Organics Manager

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EXCELLENCE  
IN ANALYSIS

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

QC Batch ID: BNA-020894A

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

Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

QC SPIKE  
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED		
QC SPIKE DUPLICATE	Aqueous					
CONSTITUENT	*PQL µg/L	SPIKE AMOUNT	RESULT µg/L	%REC	%DIFF	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS						
Acenaphthene	5.	100.	79.	79.	2.6	1
1,4-Dichlorobenzene	5.	100.	53.	53.	12.	
2,4-Dinitrotoluene	5.	100.	75.	75.	6.9	
N-Nitrosodi-n-propylamine	10.	100.	77.	77.	2.6	
Pyrene	5.	100.	98.	98.	6.3	
Trichlorobenzene	5.	100.	60.	60.	3.3	
4-Chloro-3-methylphenol	10.	200.	139.	70.	2.2	
2-Chlorophenol	10.	200.	109.	55.	6.2	
4-Nitrophenol	20.	200.	36.	18.	22.	
Pentachlorophenol	10.	200.	159.	80.	0.63	
Phenol	10.	200.	57.	29.	5.1	

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 02/08/94 by AC

02/15/94  
MSD2/2P36B  
DT/et/dez  
JK0396-1

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

  
Dudley Torres  
Organics Manager

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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

(805) 389-1353  
(317) 875-5894  
(408) 955-9077  
(805) 547-3888  
(219) 464-2389  
(207) 874-2400

FAX (805) 389-1438  
FAX (317) 872-6189  
FAX (408) 955-9078  
FAX (805) 543-2685  
FAX (219) 462-2953  
FAX (207) 775-4029

# Chain of Custody

• PLEASE PRINT IN PEN

Client West & Associates Contact Brian West Phone # (707) 451-1360 FAX # ( )

Address 112 Pepperell Ct City Vacaville State CA Zip 95688

Project Name/Number Weyerhaeuser Alameda Project MGR B West

Bill (if different than above) Same Address Same

Sampler (Print and sign) BWW Brian West Due Date Standard Circle for RUSH Copies To: See below Auth. Init.

Sample Description	Date/Time Coll'd	*Matrix	# of Containers	Pres.	Filt. y/n	*Subject to Availability Analysis	Remarks	Lab ID #
MW-1	6-8 AM	GW	2			EPA 8260 Fuel Fingerprint		AK852-1
MW-2 *	6-8 AM						rec'd 6/13/94	(13) -2
MW-3	6-8 PM						High TPH	-3
MW-4	6-8 AM							-4
MW-5	6-8 AM							-5
MW-6	6-8 AM							-6
MW-7	6-8 PM							-7
MW-9	6-8 AM						High TPH	-8

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
Brian West	6/9/94 5:50	Donald H. [Signature]		6/9/94 1:48	[Signature]
H. [Signature]	6-9-94 7:37 PM				

Shipping Method COAS COURIER Shipping #  Received By Calvin Abraham Date/Time 6/9/94 7:40 Condition (See Remarks) Cold  Sealed  Intact

REMARKS Submit 5 copies of results  
Temp of cooler = °F upon receipt @ lab  
\*MW-2 (pending) to be submitted 6/13 (13)

Matrix:  
 DW - Drinking Water  
 WW - Wastewater  
 GW - Groundwater  
 SW - Surface Water  
 IM - Impinger  
 FI - Filter  
 FP - Free Product  
 AG - Air/Gas  
 SL - Sludge/Soil/Solid  
 OT - Other

FOR LAB USE ONLY

ORIGINAL



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 7726 Moller Rd. • Indianapolis, IN 46268 • (317) 875-5894 FAX (317) 872-6189  
 2059 Junction Ave. • San Jose, CA 95131 • (408) 955-9077 FAX (408) 955-9078  
 141 Suburban Road • San Luis Obispo, CA 93401 • (805) 547-3888 FAX (805) 543-2685  
 2400 Cumberland Dr. • Valparaiso, IN 46383 • (219) 464-2389 FAX (219) 462-2953  
 340 County Road No. 5 • Westbrook, ME 04092 • (207) 874-2400 FAX (207) 775-4029

# Chain of Custody

• PLEASE PRINT IN PEN

Client <u>West &amp; Associates</u>	Contact <u>Brian West</u>	Phone # <u>707 451-1360</u>	FAX # <u>( )</u>
Address <u>112 Pepperell CT</u> City <u>Vacaville</u> State <u>CA</u> Zip <u>95688</u>	Project MGR <u>B West</u>		
Project Name/Number <u>Weyerhaeuser Alameda</u>	Bill (If different than above) <u>Same</u> Address		
Sampler (Print and sign) <u>BWW Brian West</u>	Due Date <u>standard</u>	Circle for <u>RUSH*</u>	Copies To: <u>see below</u> Auth. Init.

Sample Description	Date/Time Coll'd	*Matrix	# of Containers	Pres.	Fill. y/n	* Subject to Availability Analysis	Remarks	Lab ID #
MW-10	6-8 AM	GW	2 VOA	H <sub>2</sub> O		EPA 8260 Fuel Fingerprint		AK1852-9
MW-11	6-8 AM		↓	↓		↓		-10
QC	6-8 AM	Y	↓	↓		↓		-11

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
<u>Brian West</u>	<u>6/9/94 2:30</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>6/9/94 6:18</u>	<u>[Signature]</u>
<u>[Signature]</u>	<u>6-9-94 17:37</u>				

FOR LAB USE ONLY

Shipping Method	Shipping #	Received By	Date/Time	Condition (See Remarks)	* Matrix:
<u>UPS COURIER</u>		<u>[Signature]</u>	<u>6/9/94</u>	Cold <input checked="" type="checkbox"/> Sealed <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	DW - Drinking Water WW - Wastewater GW - Groundwater SW - Surface Water IM - Impinger FI - Filter FP - Free Product A/G - Air/Gas SL - Sludge/Soil/Solid OT - Other
REMARKS <u>Submit 5 copies of results</u>					



# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

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-1852-1  
Project : Weyerhaeuser Alameda  
Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
MW-1	Groundwater	Brian West	06/08/94	06/09/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		0.5	ND	
Toluene		0.5	ND	
Ethylbenzene		0.5	ND	
Xylenes		0.5	ND	
1,2-Dichloroethane		0.5	ND	
Ethylene dibromide		0.5	ND	
Total Petroleum Hydrocarbons (Diesel 2)		50.	ND	
Total Petroleum Hydrocarbons (Weathered Gas)		50.	50.	
Percent Surrogate Recovery			82.	


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)

06/22/94  
MSD1/2AU02A  
DT/eta3(dw)/on  
MSD1-062194

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

  
Dudley Torres  
Organics Manager

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EXCELLENCE  
IN ANALYSIS

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-1852-2  
Project : Weyerhaeuser Alameda  
Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
MW-2	Groundwater	Brian West	06/08/94	06/09/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		3.	370.	
Toluene		3.	44.	
Ethylbenzene		3.	100.	
Xylenes		3.	170.	
1,2-Dichloroethane		3.	ND	
Ethylene dibromide		3.	ND	
Total Petroleum Hydrocarbons (Gasoline)		300.	1300.	
Total Petroleum Hydrocarbons (Diesel 2)		300.	ND	
Percent Surrogate Recovery			89.	

San Jose Lab Certifications: CAELAP #1204

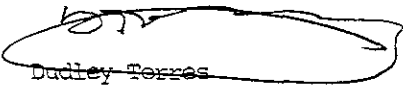
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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

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

06/22/94  
MSD1/2AU08A  
DT/eta3(dw)/on  
MSD1-062194

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

  
Dudley Torres  
Organics Manager

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EXCELLENCE  
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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-1852-3  
Project : Weyerhaeuser Alameda  
Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
MW-3	Groundwater	Brian West	06/08/94	06/09/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		20.	8500.	
Toluene		20.	1700.	
Ethylbenzene		20.	1600.	
Xylenes		20.	3800.	
1,2-Dichloroethane		20.	ND	
Ethylene dibromide		20.	ND	
Total Petroleum Hydrocarbons (Gasoline)		2000.	23000.	
Total Petroleum Hydrocarbons (Diesel 2)		2000.	ND	
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)

06/22/94  
MSD1/2AU10A/20A  
DT/eta3(dw)/on  
MSD1-062194

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

  
Dudley Torres  
Organics Manager

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# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

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-1852-4  
Project : Weyerhaeuser Alameda  
Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
MW-4	Groundwater	Brian West	06/08/94	06/09/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		0.5	46.	
Toluene		0.5	0.8	
Ethylbenzene		0.5	1.1	
Xylenes		0.5	1.9	
1,2-Dichloroethane		0.5	8.4	
Ethylene dibromide		0.5	ND	
Total Petroleum Hydrocarbons (Gasoline)		50.	460.	
Total Petroleum Hydrocarbons (Diesel 2)		50.	ND	
Percent Surrogate Recovery			79.	

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)

06/22/94  
MSD1/2AU09A  
DT/eta3(Gw)/on  
MSD1-062194

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IN ANALYSIS

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-1852-5  
Project : Weyerhaeuser Alameda  
Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
MW-5	Groundwater	Brian West	06/08/94	06/09/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		0.5	1.	
Toluene		0.5	ND	
Ethylbenzene		0.5	ND	
Xylenes		0.5	ND	
1,2-Dichloroethane		0.5	ND	
Ethylene dibromide		0.5	ND	
Total Petroleum Hydrocarbons (Gasoline)		50.	ND	
Total Petroleum Hydrocarbons (Diesel 2)		50.	ND	
Percent Surrogate Recovery			92.	

San Jose Lab Certifications: CAELAP #1204

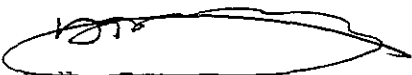
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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

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

06/22/94  
MSD1/2AU03A  
DT/eta3(dw)/on  
MSD1-062194

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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-1852-6  
Project : Weyerhaeuser Alameda  
  
Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
MW-6	Groundwater	Brian West	06/08/94	06/09/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		0.5	2.2	
Toluene		0.5	ND	
Ethylbenzene		0.5	ND	
Xylenes		0.5	ND	
1,2-Dichloroethane		0.5	4.2	
Ethylene dibromide		0.5	ND	
Total Petroleum Hydrocarbons (Gasoline)		50.	ND	
Total Petroleum Hydrocarbons (Diesel 2)		50.	ND	
Percent Surrogate Recovery			92.	

San Jose Lab Certifications: CAELAP #1204

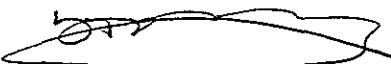
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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

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

06/22/94  
MSD1/2AU04A  
DT/eta3(dw)/on  
MSD1-062194

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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-1852-7  
Project : Weyerhaeuser Alameda  
Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
MW-7	Groundwater	Brian West	06/08/94	06/09/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		0.5	ND	
Toluene		0.5	ND	
Ethylbenzene		0.5	ND	
Xylenes		0.5	ND	
1,2-Dichloroethane		0.5	ND	
Ethylene dibromide		0.5	ND	
Total Petroleum Hydrocarbons (Gasoline)		50.	ND	
Total Petroleum Hydrocarbons (Diesel 2)		50.	ND	
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)

06/22/94  
MSD1/2AU05A  
DT/eta3(dw)/on  
MSD1-062194

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San Jose, CA 95131  
(408) 955-9077

CLIENT: Brian W. West  
West & Associates Env. Engineers  
112 Pepperell Court  
Vacaville, CA 95688

Lab Number : JK-1852-8  
Project : Weyerhaeuser Alameda  
Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
MW-9	Groundwater	Brian West	06/08/94	06/09/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		3.	150.	
Toluene		3.	20.	
Ethylbenzene		3.	380.	
Xylenes		3.	110.	
1,2-Dichloroethane		3.	ND	
Ethylene dibromide		3.	ND	
Total Petroleum Hydrocarbons (Gasoline)		300.	5300.	
Total Petroleum Hydrocarbons (Diesel 2)		300.	ND	
Percent Surrogate Recovery			91.	

San Jose Lab Certifications: CAELAP #1204

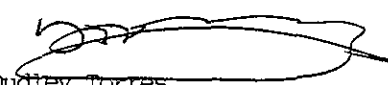
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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

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

06/22/94  
MSD1/2AU11A  
DT/eta3(dw)/on  
MSD1-062194

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(408) 955-9077

CLIENT: Brian W. West  
West & Associates Env. Engineers  
112 Pepperell Court  
Vacaville, CA 95688

Lab Number : JK-1852-9  
Project : Weyerhaeuser Alameda  
Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
MW-10	Groundwater	Brian West	06/08/94	06/09/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		0.5	ND	
Toluene		0.5	ND	
Ethylbenzene		0.5	ND	
Xylenes		0.5	ND	
1,2-Dichloroethane		0.5	ND	
Ethylene dibromide		0.5	ND	
Total Petroleum Hydrocarbons (Gasoline)		50.	ND	
Total Petroleum Hydrocarbons (Diesel 2)		50.	ND	
Percent Surrogate Recovery			93.	

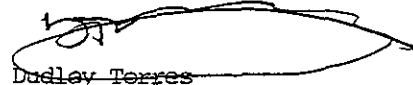
San Jose Lab Certifications: CAELAP #1204

\*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)

06/22/94  
MSD1/2AU06A  
DT/eta3(dw)/on  
MSD1-062194

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San Jose, CA 95131  
(408) 955-9077

CLIENT: Brian W. West  
West & Associates Env. Engineers  
112 Pepperell Court  
Vacaville, CA 95688

Lab Number : JK-1852-10  
Project : Weyerhaeuser Alameda  
Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
MW-11	Groundwater	Brian West	06/08/94	06/09/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		0.5	ND	
Toluene		0.5	ND	
Ethylbenzene		0.5	ND	
Xylenes		0.5	ND	
1,2-Dichloroethane		0.5	ND	
Ethylene dibromide		0.5	ND	
Total Petroleum Hydrocarbons (Gasoline)		50.	ND	
Total Petroleum Hydrocarbons (Diesel 2)		50.	ND	
Percent Surrogate Recovery			94.	

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)

06/22/94  
MSD1/2AU07A  
DT/eta3(dw)/on  
MSD1-062194

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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-1852-11  
Project : Weyerhaeuser Alameda  
Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

## REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
QC	Groundwater	Brian West	06/08/94	06/09/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		0.5	ND	
Toluene		0.5	ND	
Ethylbenzene		0.5	ND	
Xylenes		0.5	ND	
1,2-Dichloroethane		0.5	ND	
Ethylene dibromide		0.5	ND	
Total Petroleum Hydrocarbons (Gasoline)		50.	ND	
Total Petroleum Hydrocarbons (Diesel 2)		50.	ND	
Percent Surrogate Recovery			96.	

San Jose Lab Certifications: CAELAP #1204

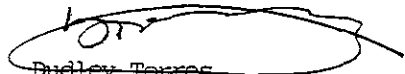
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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

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

06/22/94  
MSD1/2AT96A  
DT/eta3(dw)/on  
MSD1-062194

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San Jose, CA 95131  
(408) 955-9077

QC Batch ID: MSD1-062194

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

Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

METHOD BLANK  
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
METHOD BLANK	Aqueous				
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
<b>FUEL FINGERPRINT ANALYSIS</b>					
Benzene		0.5	ND	1,2	
Toluene		0.5	ND		
Ethylbenzene		0.5	ND		
Xylenes		0.5	ND		
1,2-Dichloroethane		0.5	ND		
Ethylene dibromide		0.5	ND		
Total Petroleum Hydrocarbons (Gasoline)		50.	ND		
Total Petroleum Hydrocarbons (Diesel 2)		50.	ND		
Percent Surrogate Recovery			90.		

San Jose Lab Certifications: CAELAP #1204

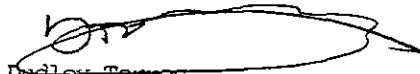
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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

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

06/22/94  
MSD1/2AT90A  
DT/eta3(dw)/on  
JK1852-11

Respectfully submitted,  
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2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

QC Batch ID: MSD1-062194

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

Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

## QC MATRIX SPIKE REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MATRIX SPIKE	Aqueous				
CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT $\mu\text{g/L}$	%REC	NOTE
<b>FUEL FINGERPRINT ANALYSIS</b>					
Benzene	ND	10.	7.6	76.	1,2
Toluene	ND	10.	7.6	76.	
Ethylbenzene	ND	10.	11.	110.	
Xylenes	ND	10.	11.	110.	
1,2-Dichloroethane	ND	10.	7.1	71.	
Ethylene dibromide	ND	10.	7.7	77.	
Total Petroleum Hydrocarbons (Gasoline)	ND	250.	230.	92.	

San Jose Lab Certifications: CAELAP #1204

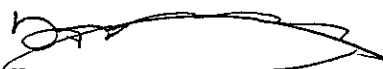
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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

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

06/22/94  
MSD1/2AT97A/U00A  
DT/eta3(dw)/on  
JK1852-11

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IN ANALYSIS

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

QC Batch ID: MSD1-062194

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

Analyzed : 06/21/94  
Analyzed by: ON  
Method : As Listed

QC MATRIX SPIKE  
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED		
MATRIX SPIKE DUPLICATE	Aqueous					
CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT $\mu\text{g/L}$	%REC	%DIFF	NOTE
FUEL FINGERPRINT ANALYSIS						
Benzene	ND	10.	8.2	82.	7.6	1,2
Toluene	ND	10.	8.	80.	5.1	
Ethylbenzene	ND	10.	12.	120.	8.7	
Xylenes	ND	10.	11.	110.	0.	
1,2-Dichloroethane	ND	10.	8.3	83.	16.	
Ethylene dibromide	ND	10.	9.1	91.	17.	
Total Petroleum Hydrocarbons (Gasoline)	ND	250.	250.	100.	8.3	

San Jose Lab Certifications: CAELAP #1204

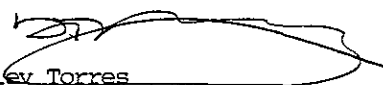
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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

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

06/22/94  
MSD1/2AT98A/U01A  
DT/eta3(dw)/on  
JK1852-11

Respectfully submitted,  
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Dudley Torres  
Organics Manager

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7028

204400

**CHAIN-OF-CUSTODY RECORD**  
Analytical Request

Client West Associates  
 Address PO Box 5891  
Vacaville, CA 95696  
 Phone 707-451-1360

Report To: Same  
 Bill To: Same  
 P.O. # / Billing Reference \_\_\_\_\_  
 Project Name / No. WPC-Alameda

Pace Client No. \_\_\_\_\_  
 Pace Project Manager \_\_\_\_\_  
 Pace Project No. \_\_\_\_\_  
 \*Requested Due Date: Regular

Sampled By (PRINT): Brian West  
 Sampler Signature Brian West Date Sampled 12-7-94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES					ANALYSES REQUEST			REMARKS
						UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	VOA	Cold	TPH-gas	TPH-diesel	BTXE	
1	MW-1	PM	GW	701722	2					✓	✓	✓	No diesel	
2	MW-2			701730	2					✓	✓	✓		
3	MW-3			701748	2					✓	✓	✓		
4	MW-4			701755	2					✓	✓	✓		
5	MW-5			701763	2					✓	✓	✓		
6	MW-6			701771	2					✓	✓	✓		
7	MW-7			701789	3	1	2	2	✓	✓	✓	✓		
8	MW-8 9	✓	✓	701797	2					✓	✓	✓		

COOLER NOS.	BAILERS	SHIPMENT METHOD		ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
OUT / DATE	RETURNED / DATE							
					<u>Brian West</u>	<u>David Lundy/PACE</u>	<u>12/9</u>	<u>12:00</u>

Additional Comments page 1 of 2

**CHAIN-OF-CUSTODY RECORD**  
Analytical Request

Client West & Associates  
Address PO Box 5891  
Vacaville 95696  
Phone 707-451-1360

Report To: Same  
Bill To: Same  
P.O. # / Billing Reference \_\_\_\_\_  
Project Name / No. WPC - Alameda

Pace Client No. \_\_\_\_\_  
Pace Project Manager \_\_\_\_\_  
Pace Project No. \_\_\_\_\_  
\*Requested Due Date: Regular

Sampled By (PRINT): Brian West  
Sampler Signature Brian West Date Sampled 12-7-94

NO. OF CONTAINERS	PRESERVATIVES					ANALYSES REQUEST
	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	VOA	Cold	
						TPH-gas BTXE

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	NO. OF CONTAINERS	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	VOA	Cold	ANALYSES REQUEST	REMARKS
1	MW-11	PM	GW	701805	2	2	2	✓			✓ ✓	
2	MW-10	↓	↓	701813	2	2	2	✓			✓ ✓	
3	MW-12	↓	↓	701821	2	2	2	✓			✓ ✓	
4	QC	↓	↓	701839	2	2	2	✓			✓ ✓	
5												
6												
7												
8												

COOLER NOS.	BAILERS	SHIPMENT METHOD	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE RETURNED / DATE		<u>Brian West</u>	<u>David Lundy / PACE</u>	<u>12/9</u>	<u>12:21</u>

Additional Comments  
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# REPORT OF LABORATORY ANALYSIS

DATE: 12/29/94  
PAGE: 1

West & Associates  
112 Pepperell Court  
Vacaville, CA 95688

PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

Attn: Mr. Brian West  
Phone: (707)451-1360

PACE Sample No: 701722 Date Collected: 12/07/94  
Client Sample ID: MW-1 Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	93	ug/L	50	12/15/94	CA LUFT	LMD		
Benzene	ND	ug/L	0.5	12/15/94	CA LUFT	LMD	71-43-2	
Toluene	ND	ug/L	0.5	12/15/94	CA LUFT	LMD	108-88-3	
Ethyl Benzene	ND	ug/L	0.5	12/15/94	CA LUFT	LMD	100-41-4	
Xylene (Total)	ND	ug/L	1	12/15/94	CA LUFT	LMD	1330-20-7	
a,a,a-Trifluorotoluene (S)	110	%		12/15/94	CA LUFT	LMD	2164-17-2	
4-Bromofluorobenzene (S)	87	%		12/15/94	CA LUFT	LMD	460-00-4	





# REPORT OF LABORATORY ANALYSIS

DATE: 12/29/94  
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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

PACE Sample No: 701730  
Client Sample ID: MW-2

Date Collected: 12/07/94  
Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	3400	ug/L	500	12/15/94	CA LUFT	LMD		1
Benzene	1100	ug/L	5	12/15/94	CA LUFT	LMD	71-43-2	1
Toluene	86	ug/L	0.5	12/15/94	CA LUFT	LMD	108-88-3	
Ethyl Benzene	28	ug/L	0.5	12/15/94	CA LUFT	LMD	100-41-4	
Xylene (Total)	190	ug/L	1	12/15/94	CA LUFT	LMD	1330-20-7	
a,a,a-Trifluorotoluene (S)	147	%		12/15/94	CA LUFT	LMD	2164-17-2	
4-Bromofluorobenzene (S)	100	%		12/15/94	CA LUFT	LMD	460-00-4	



# REPORT OF LABORATORY ANALYSIS

DATE: 12/29/94  
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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

PACE Sample No: 701748  
Client Sample ID: MW-3

Date Collected: 12/07/94  
Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	41000	ug/L	5000	12/15/94	CA LUFT	ADS		
Benzene	9900	ug/L	50	12/15/94	CA LUFT	ADS	71-43-2	
Toluene	2900	ug/L	50	12/15/94	CA LUFT	ADS	108-88-3	
Ethyl Benzene	1400	ug/L	50	12/15/94	CA LUFT	ADS	100-41-4	
Xylene (Total)	3500	ug/L	100	12/15/94	CA LUFT	ADS	1330-20-7	
a,a,a-Trifluorotoluene (S)	123	%		12/15/94	CA LUFT	ADS	2164-17-2	
4-Bromofluorobenzene (S)	107	%		12/15/94	CA LUFT	ADS	460-00-4	

# REPORT OF LABORATORY ANALYSIS

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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

PACE Sample No: 701755 Date Collected: 12/07/94  
Client Sample ID: MW-4 Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	2400	ug/L	50	12/15/94	CA LUFT	ADS		
Benzene	200	ug/L	0.5	12/15/94	CA LUFT	ADS	71-43-2	
Toluene	7.5	ug/L	0.5	12/15/94	CA LUFT	ADS	108-88-3	
Ethyl Benzene	7.5	ug/L	0.5	12/15/94	CA LUFT	ADS	100-41-4	
Xylene (Total)	28	ug/L	1	12/15/94	CA LUFT	ADS	1330-20-7	
a,a,a-Trifluorotoluene (S)	143	%		12/15/94	CA LUFT	ADS	2164-17-2	
4-Bromofluorobenzene (S)	93	%		12/15/94	CA LUFT	ADS	460-00-4	



# REPORT OF LABORATORY ANALYSIS

DATE: 12/29/94  
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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

PACE Sample No: 701763 Date Collected: 12/07/94  
Client Sample ID: MW-5 Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	93	ug/L	50	12/15/94	CA LUFT	ADS		
Benzene	3	ug/L	0.5	12/15/94	CA LUFT	ADS	71-43-2	
Toluene	0.9	ug/L	0.5	12/15/94	CA LUFT	ADS	108-88-3	
Ethyl Benzene	0.8	ug/L	0.5	12/15/94	CA LUFT	ADS	100-41-4	
Xylene (Total)	3	ug/L	1	12/15/94	CA LUFT	ADS	1330-20-7	
a,a,a-Trifluorotoluene (S)	110	%		12/15/94	CA LUFT	ADS	2164-17-2	
4-Bromofluorobenzene (S)	110	%		12/15/94	CA LUFT	ADS	460-00-4	

# REPORT OF LABORATORY ANALYSIS

DATE: 12/29/94  
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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

PACE Sample No: 701771  
Client Sample ID: MW-6

Date Collected: 12/07/94  
Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	ND	ug/L	50	12/15/94	CA LUFT	ADS		
Benzene	1.3	ug/L	0.5	12/15/94	CA LUFT	ADS	71-43-2	
Toluene	ND	ug/L	0.5	12/15/94	CA LUFT	ADS	108-88-3	
Ethyl Benzene	ND	ug/L	0.5	12/15/94	CA LUFT	ADS	100-41-4	
Xylene (Total)	ND	ug/L	1	12/15/94	CA LUFT	ADS	1330-20-7	
a,a,a-Trifluorotoluene (S)	110	%		12/15/94	CA LUFT	ADS	2164-17-2	
4-Bromofluorobenzene (S)	110	%		12/15/94	CA LUFT	ADS	460-00-4	



# REPORT OF LABORATORY ANALYSIS

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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

PACE Sample No: 701789  
Client Sample ID: MW-7

Date Collected: 12/07/94  
Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	ND	ug/L	50	12/13/94	CA LUFT	LMD		
Benzene	ND	ug/L	0.5	12/13/94	CA LUFT	LMD	71-43-2	
Toluene	ND	ug/L	0.5	12/13/94	CA LUFT	LMD	108-88-3	
Ethyl Benzene	ND	ug/L	0.5	12/13/94	CA LUFT	LMD	100-41-4	
Xylene (Total)	ND	ug/L	1	12/13/94	CA LUFT	LMD	1330-20-7	
a,a,a-Trifluorotoluene (S)	103	%		12/13/94	CA LUFT	LMD	2164-17-2	
4-Bromofluorobenzene (S)	87	%		12/13/94	CA LUFT	LMD	460-00-4	
GC								
8015 Fuel Finger Print in Water								
Diesel Fuel	3.9	mg/L	0.057	12/15/94	TPH by EPA 8015M	DLA		
n-Pentacosane (S)	69	%		12/15/94	TPH by EPA 8015M	DLA	629-99-2	



# REPORT OF LABORATORY ANALYSIS

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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

PACE Sample No: 701797  
Client Sample ID: MW-9

Date Collected: 12/07/94  
Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	12000	ug/L	250	12/13/94	CA LUFT	LMD		
Benzene	600	ug/L	2.5	12/13/94	CA LUFT	LMD	71-43-2	
Toluene	20	ug/L	2.5	12/13/94	CA LUFT	LMD	108-88-3	
Ethyl Benzene	120	ug/L	2.5	12/13/94	CA LUFT	LMD	100-41-4	
Xylene (Total)	55	ug/L	5	12/13/94	CA LUFT	LMD	1330-20-7	
a,a,a-Trifluorotoluene (S)	130	%		12/13/94	CA LUFT	LMD	2164-17-2	
4-Bromofluorobenzene (S)	93	%		12/13/94	CA LUFT	LMD	460-00-4	



# REPORT OF LABORATORY ANALYSIS

DATE: 12/29/94  
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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

PACE Sample No: 701813  
Client Sample ID: MW-10

Date Collected: 12/07/94  
Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	ND	ug/L	50	12/15/94	CA LUFT	LMD		
Benzene	ND	ug/L	0.5	12/15/94	CA LUFT	LMD	71-43-2	
Toluene	ND	ug/L	0.5	12/15/94	CA LUFT	LMD	108-88-3	
Ethyl Benzene	ND	ug/L	0.5	12/15/94	CA LUFT	LMD	100-41-4	
Xylene (Total)	ND	ug/L	1	12/15/94	CA LUFT	LMD	1330-20-7	
a,a,a-Trifluorotoluene (S)	110	%		12/15/94	CA LUFT	LMD	2164-17-2	
4-Bromofluorobenzene (S)	83	%		12/15/94	CA LUFT	LMD	460-00-4	





# REPORT OF LABORATORY ANALYSIS

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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

PACE Sample No: 701805  
Client Sample ID: MW-11

Date Collected: 12/07/94  
Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	ND	ug/L	50	12/20/94	CA LUFT	LMD		
Benzene	ND	ug/L	0.5	12/20/94	CA LUFT	LMD	71-43-2	
Toluene	ND	ug/L	0.5	12/20/94	CA LUFT	LMD	108-88-3	
Ethyl Benzene	ND	ug/L	0.5	12/20/94	CA LUFT	LMD	100-41-4	
Xylene (Total)	ND	ug/L	1	12/20/94	CA LUFT	LMD	1330-20-7	
a,a,a-Trifluorotoluene (S)	107	%		12/20/94	CA LUFT	LMD	2164-17-2	
4-Bromofluorobenzene (S)	90	%		12/20/94	CA LUFT	LMD	460-00-4	



# REPORT OF LABORATORY ANALYSIS

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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

PACE Sample No: 701821 Date Collected: 12/07/94  
Client Sample ID: MW-12 Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	ND	ug/L	50	12/15/94	CA LUFT	LMD		
Benzene	ND	ug/L	0.5	12/15/94	CA LUFT	LMD	71-43-2	
Toluene	ND	ug/L	0.5	12/15/94	CA LUFT	LMD	108-88-3	
Ethyl Benzene	ND	ug/L	0.5	12/15/94	CA LUFT	LMD	100-41-4	
Xylene (Total)	ND	ug/L	1	12/15/94	CA LUFT	LMD	1330-20-7	
a,a,a-Trifluorotoluene (S)	110	%		12/15/94	CA LUFT	LMD	2164-17-2	
4-Bromofluorobenzene (S)	83	%		12/15/94	CA LUFT	LMD	460-00-4	



# REPORT OF LABORATORY ANALYSIS

DATE: 12/29/94  
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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

PACE Sample No: 701839  
Client Sample ID: QC

Date Collected: 12/07/94  
Date Received: 12/09/94

Parameters	Results	Units	PRL	Analyzed	Method	Analyst	CAS#	Footnotes
GC -- Volatiles								
GAS/BTEX by CA LUFT, Water								
Gasoline	ND	ug/L	50	12/15/94	CA LUFT	LMD		
Benzene	ND	ug/L	0.5	12/15/94	CA LUFT	LMD	71-43-2	
Toluene	ND	ug/L	0.5	12/15/94	CA LUFT	LMD	108-88-3	
Ethyl Benzene	ND	ug/L	0.5	12/15/94	CA LUFT	LMD	100-41-4	
Xylene (Total)	ND	ug/L	1	12/15/94	CA LUFT	LMD	1330-20-7	
a,a,a-Trifluorotoluene (S)	107	%		12/15/94	CA LUFT	LMD	2164-17-2	
4-Bromofluorobenzene (S)	87	%		12/15/94	CA LUFT	LMD	460-00-4	



## REPORT OF LABORATORY ANALYSIS

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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

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### PARAMETER FOOTNOTES

ND Not Detected  
PRL PACE Reporting Limit  
(S) Surrogate  
[1] The value for this analyte was determined from a secondary dilution of 1:10.



# REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

DATE: 12/29/94  
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West & Associates  
112 Pepperell Court  
Vacaville, CA 95688

PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

Attn: Mr. Brian West  
Phone: (707)451-1360

QC Batch ID: 16  
Associated PACE Samples: 701789

QC Batch Method: EPA 3520

Date of Batch: 12/08/94

METHOD BLANK: 703512  
Associated PACE Samples:

701789

Parameter	Units	Method Blank Result	PRL	Footnotes
Diesel Fuel	mg/L	ND	0.05	
Naphtha	mg/L	ND	0.5	
n-Pentacosane (S)	%	129		

LABORATORY CONTROL SAMPLE & LCSD: 70805 70813

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Diesel Fuel	mg/L	1	0.7	71	0.79	79	11	
n-Pentacosane (S)				117		115		



# REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

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West & Associates  
112 Pepperell Court  
Vacaville, CA 95688

PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

Attn: Mr. Brian West  
Phone: (707)451-1360

QC Batch ID: 29      QC Batch Method: CA LUFT      Date of Batch: 12/12/94  
Associated PACE Samples:      701748      701755      701763      701771

METHOD BLANK: 704957  
Associated PACE Samples:

Parameter	Units	701748	701755 Method Blank Result	701763 PRL	701771 Footnotes
Gasoline	ug/L		ND	50	
Benzene	ug/L		ND	0.5	
Toluene	ug/L		ND	0.5	
Ethyl Benzene	ug/L		ND	0.5	
Xylene (Total)	ug/L		ND	1	
a,a,a-Trifluorotoluene (S)	%		110		
4-Bromofluorobenzene (S)	%		110		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 702225 702233

Parameter	Units	701375	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Gasoline	ug/L	ND	1000	730	73	920	92	23	

LABORATORY CONTROL SAMPLE & LCSD: 702241 702258

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Gasoline	ug/L	1000	930	93	940	94	1	



# REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

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West & Associates  
112 Pepperell Court  
Vacaville, CA 95688

PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

Attn: Mr. Brian West  
Phone: (707)451-1360

QC Batch ID: 44      QC Batch Method: CA LUFT      Date of Batch: 12/13/94  
Associated PACE Samples:      701722      701730      701789      701797      701805

METHOD BLANK: 703124

Associated PACE Samples:

Parameter	Units	701789	701797	PRL	Footnotes
			Method Blank Result		
Gasoline	ug/L		ND	50	
Benzene	ug/L		ND	0.5	
Toluene	ug/L		ND	0.5	
Ethyl Benzene	ug/L		ND	0.5	
Xylene (Total)	ug/L		ND	1	
a,a,a-Trifluorotoluene (S)	%		107		
4-Bromofluorobenzene (S)	%		87		

METHOD BLANK: 703967

Associated PACE Samples:

Parameter	Units	701722	701730	701805	PRL	Footnotes
			Method Blank Result			
Gasoline	ug/L		ND		50	
Benzene	ug/L		ND		0.5	
Toluene	ug/L		ND		0.5	
Ethyl Benzene	ug/L		ND		0.5	
Xylene (Total)	ug/L		ND		1	
a,a,a-Trifluorotoluene (S)	%		107			
4-Bromofluorobenzene (S)	%		83			



# REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 703132 703140

Parameter	Units	702696	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Gasoline	ug/L	50	1000	1000	96	1000	98	2	

LABORATORY CONTROL SAMPLE & LCSD: 703157 703165

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Gasoline	ug/L	1000	1100	110	1000	100	10	





# REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

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West & Associates  
112 Pepperell Court  
Vacaville, CA 95688

PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

Attn: Mr. Brian West  
Phone: (707)451-1360

QC Batch ID: 78      QC Batch Method: CA LUFT      Date of Batch: 12/15/94  
Associated PACE Samples:      701813      701821      701839

METHOD BLANK: 704890  
Associated PACE Samples:

Parameter	Units	701813	701821	701839	Footnotes
			Method Blank Result	PRL	
Gasoline	ug/L		ND	50	
Benzene	ug/L		ND	0.5	
Toluene	ug/L		ND	0.5	
Ethyl Benzene	ug/L		ND	0.5	
Xylene (Total)	ug/L		ND	1	
1,2,4-Trifluorotoluene (S)	%		107		
4-Chlorofluorobenzene (S)	%		83		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 704908 704916

Parameter	Units	704734	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes

LABORATORY CONTROL SAMPLE & LCSD: 704924 704932

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes



## REPORT OF LABORATORY ANALYSIS

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DATE: 12/29/94  
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PACE Project Number: 7028  
Client Project ID: WPC - ALAMEDA

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### QUALITY CONTROL DATA PARAMETER FOOTNOTES

The Quality Control Sample Final Results listed above have been rounded to reflect an appropriate number of significant figures. Consistent with EPA guidelines unrounded concentrations have been used to calculate % Rec and RPD values.

ND Not Detected  
PRL PACE Reporting Limit  
RPD Relative Percent Difference  
(S) Surrogate