

WEST ←
ASSOCIATES
ENVIRONMENTAL ENGINEERS, INC.

June 6, 1994

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

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

Dear Ms. Shin,

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

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

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

Yours truly,

Brian W. West

Brian W. West PE
Principal
West & Associates Environmental Engineers, Inc.

BWW/es

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

WEYERHAEUSER ALAMEDA
SUPPLEMENTAL INVESTIGATION WORKPLAN
ADDENDUM

SECTION 1

BORING LOGS

SECTION 2

PROPOSED BORING LOCATIONS

SECTION 3

SOIL ANALYTICAL RESULTS
(Summary tables on yellow sheets)

SECTION 4

GROUNDWATER ANALYTICAL RESULTS
(Summary tables on yellow sheets)

WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

PO Box 5891, Vacaville CA 95696

Project: Weyerhaeuser Paper Company, Alameda		Job No.: 70632.20
Location: 1801 Hibbard Str., Alameda 94501		Date: March, 1994
Boring Designation: B-1	Driller: Exploration Geoservices	
Logged by: BWW	Base: San Jose	
Boring Location: East of Wax Tank	Drill Equipment: Mobile B-51	
Soils Classification System: USCS	Diameter & Type Well Casing: 8" Hollow stem auger	
Sample type: BRASS TUBE - SPLIT SPOON	Elevation & Datum: ND	
Soil Matrix: YES	Completion Depth: 10 feet BGS	
Date Started: 1-11-94 Finished: 1-11-94	Depth to Groundwater: 9.5 feet BGS	
Number of Samples: 3		

Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-11 9:45	B1-	Gravel		
			GP	Gravelly basecourse	
5		1	SM BC 9/10/12	Sandy loam, dry, uncohesive Clean - No odor or staining	
		2	BC 9/10/30	Sandy, light brown increasing moisture	
10	10:30	3	CL BC 22/33/40	PID = 0 PPM	
		EOB		Standing water in hole well graded, saturated sand	
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WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

PO Box 5891, Vacaville CA 95696

Project: Weyerhaeuser Paper Company, Alameda	Job No.: 70632.20
Location: 1801 Hibbard Str., Alameda 94501	Date: March, 1994
Boring Designation: B-2	Driller: Exploration Geoservices
Logged by: BWB	Base: San Jose
Boring Location: West of propane tank	Drill Equipment: Mobile B-51
Soils Classification System: USCS	Diameter & Type Well Casing: 8" Hollow stem auger
Sample type: BRASS TUBE - SPLIT SPOON	Elevation & Datum: ND
Soil Matrix: YES	Completion Depth: 10.5 feet
Date Started: 1-11-94 Finished: 1-11-94	Depth to Groundwater: NE
Number of Samples: 4	

Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-11 11:15	B2-	Asphalt		
			GP	Gravelly basecourse	
			SM	Sandy loam, dry, uncohesive	
5		1	BC 7/8/22	Sandy with clay stringers Clean - No odor or staining	
		2	BC 23/29/40	Light grey clay stringers	
		3	BC 7/13/19	increasing clay - clean, no odor	
10		4	BC 27/35/31	increasing moisture	
		EOB		Clean, no odor or staining	
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WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

PO Box 5891, Vacaville CA 95696

Project: Weyerhaeuser Paper Company, Alameda	Job No.: 70632.20
Location: 1801 Hibbard Str., Alameda 94501	Date: March, 1994
Boring Designation: B-3	Driller: Exploration Geoservices
Logged by: BWW	Base: San Jose
Boring Location: North or former gas tanks	Drill Equipment: Mobile B-51
Soils Classification System: USCS	Diameter & Type Well Casing:
Sample type: BRASS TUBE - SPLIT SPOON	8" Hollow stem auger
Soil Matrix: YES	Elevation & Datum: ND
Date Started: 1-11-94 Finished: 1-11-94	Completion Depth: 12 feet BGS
Number of Samples: 3	Depth to Groundwater: NE

Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-11 1:30	B3-	Asphalt GP CL	Gravelly basecourse Sandy with clay stringers	
5		1	BC 14/29/46	Clean - No odor or staining	
		2	BC 17/27/34 CL	increasing clay - clean, no odor	
10	2:30	3	BC 10/17/23	Clean, no odor or staining	
		EOB		Hole clean and dry @ 12'	
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WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

PO Box 5891, Vacaville CA 95696

Project: Weyerhaeuser Paper Company, Alameda	Job No.: 70632.20
Location: 1801 Hibbard Str., Alameda 94501	Date: March, 1994
Boring Designation: B-4	Driller: Exploration Geoservices
Logged by: BWB	Base: San Jose
Boring Location: Next to main building	Drill Equipment: Mobile B-51
Soils Classification System: USCS	Diameter & Type Well Casing:
Sample type: BRASS TUBE - SPLIT SPOON	6" solid stem auger
Soil Matrix: YES	Elevation & Datum: ND
Date Started: 1-13-94 Finished: 1-13-94	Completion Depth: 10 feet BGS
Number of Samples: 1	Depth to Groundwater: 10 feet BGS

Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-13 9:30	B4-	Concrete		
5		1	BC 12/24/33	Sandy with clay stringers Obviously contaminated soil beginning at 3.5 feet BGS 200 PPM on PID Well graded sand	
10	10:00	EOB	CL	Continued gas contamination Contamination extends to capillary fringe @ 10 feet BGS	
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WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

PO Box 5891, Vacaville CA 95696

Project: Weyerhaeuser Paper Company, Alameda		Job No.: 70632.20
Location: 1801 Hibbard Str., Alameda 94501		Date: March, 1994
Boring Designation: B-5	Driller: Exploration Geoservices	
Logged by: BWW	Base: San Jose	
Boring Location: Next to wax tank	Drill Equipment: Mobile B-51	
Soils Classification System: USCS	Diameter & Type Well Casing:	
Sample type: BRASS TUBE - SPLIT SPOON	6" solid stem auger	
Soil Matrix: YES	Elevation & Datum: ND	
Date Started: 1-13-94	Finished: 1-13-94	Completion Depth: 7 feet BGS
Number of Samples: None	Depth to Groundwater: NE	

Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-13		Asphalt		
0	10:15		CL	Sandy with clay stringers	
5				Obviously contaminated soil beginning at 3.5 feet BGS - ends at 5.5 feet BGS	
10	10:45	EOB		Well graded sand	
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WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

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Project: Weyerhaeuser Paper Company, Alameda		Job No.: 70632.20
Location: 1801 Hibbard Str., Alameda 94501		Date: March, 1994
Boring Designation: B-MW8	Driller: Exploration Geoservices	
Logged by: BWW	Base: San Jose	
Boring Location: Next to stairs	Drill Equipment: Mobile B-51	
Soils Classification System: USCS	Diameter & Type Well Casing: 12" Hollow stem auger	
Sample type: BRASS TUBE - SPLIT SPOON	Elevation & Datum: ND	
Soil Matrix: YES	Completion Depth: 9 feet BGS	
Date Started: 1-13-94 Finished: 1-13-94	Depth to Groundwater: NE	
Number of Samples: 3		

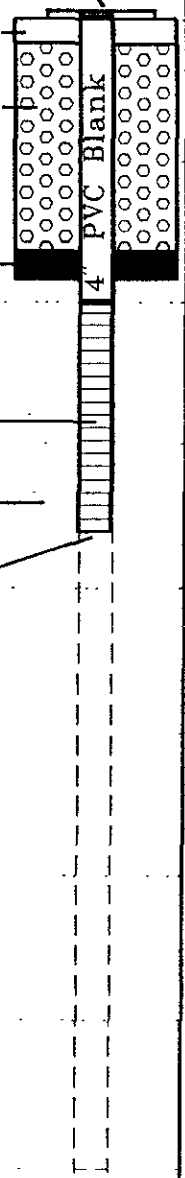
Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-13 8:30	B-MW8	Concrete Basecourse CL	Clean - No odor Sandy with clay stringers	
5		1	BC 9/10/21	Contamination based on odor and color: 6' - 9' BGS 1.2 PPM on PID Hole dry @ 9' BGS	
		2	BC 18/26/40		
		3	BC 13/25/33		
10	9:15	EOB			
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WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

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Project: Weyerhaeuser Paper Company, Alameda	Job No.: 70632.20
Location: 1801 Hibbard Str., Alameda 94501	Date: March, 1994
Boring Designation: MW-9	Driller: Exploration Geoservices
Logged by: BWW	Base: San Jose
Boring Location: West of hot wax tank	Drill Equipment: Mobile B-51
Soils Classification System: USCS	Diameter & Type Well Casing:
Sample type: BRASS TUBE - SPLIT SPOON	12" HSA, 4" dia. schedule 40 PVC
Soil Matrix: YES	Elevation & Datum: TOC 100.60'
Date Started: 1-12-94 Finished: 1-12-94	Completion Depth: 18' BGS
Number of Samples: 3	Depth to Groundwater: 9-10' BGS

Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-12 1:30	MW9-	Asphalt Basecourse CL	Sandy loam, slight staining and odor	Traffic cover & locking cap Concrete
5		1	BC 4/8/12	Sample appears contaminated	Bentonite grout
10		2	BC 15/27/36	Definite gas odor and stain Well graded sand w/ clay	Bentonite Seal
15		3	BC 8/14/31 CL	127 PPM on PID Saturated	
20	4:00	EOB			0.020" slot well screen Monterey No. 3 sand Bottom plug
25					
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WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

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Project: Weyerhaeuser Paper Company, Alameda		Job No.: 70632.20
Location: 1801 Hibbard Str., Alameda 94501		Date: March, 1994
Boring Designation: B-MW10		Driller: Exploration Geoservices
Logged by: BWW		Base: San Jose
Boring Location: Near waste oil tank		Drill Equipment: Mobile B-51
Soils Classification System: USCS		Diameter & Type Well Casing: 12" Hollow stem auger
Sample type: BRASS TUBE - SPLIT SPOON		
Soil Matrix: YES		Elevation & Datum: ND
Date Started: 1-12-94 Finished: 1-12-94		Completion Depth: 12 feet BGS
Number of Samples: 2		Depth to Groundwater: NE

Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-12 8:30	B- MW10	Asphalt Basecourse		
5		1	CL BC 9/12/15	Clean - No odor Sandy with clay stringers Uncohesive	
10		2	BC 49/46/50	Contamination in boring from 6' - 9' BGS: 350 PPM on PID Strong gasoline odor	
15	9:45	EOB		Increasing clay/cohesion Clean below 9' Hole dry Well graded sand	
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WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

PO Box 5891, Vacaville CA 95696

Project: Weyerhaeuser Paper Company, Alameda		Job No.: 70632.20
Location: 1801 Hibbard Str., Alameda 94501		Date: March, 1994
Boring Designation: MW-10	Driller: Exploration Geoservices	
Logged by: BWW	Base: San Jose	
Boring Location: In private drive	Drill Equipment: Mobile B-51	
Soils Classification System: USCS	Diameter & Type Well Casing: 12" HSA, 4" dia. schedule 40 PVC	
Sample type: BRASS TUBE - SPLIT SPOON	Elevation & Datum: TOC 99.21'	
Soil Matrix: YES	Completion Depth: 18' BGS	
Date Started: 1-12-94 Finished: 1-12-94	Depth to Groundwater: 12' - 13' BGS	
Number of Samples: 4		

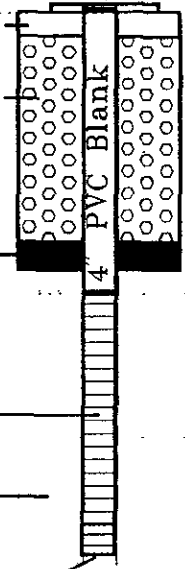
Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-12 10:30	MW-10	Asphalt Basecourse CL	Dry, sandy, uncohesive fine grained	Traffic cover & locking cap Concrete
5		1	BC 7/19/48	Clean sample	<p style="text-align: center;">Bentonite grout Bentonite Seal 0.020" slot well screen Monterey No. 3 sand Bottom plug</p> <p style="text-align: center;">4" PVC Blank</p>
		2	BC 15/26/56	Some grey clay stringers	
10		3	BC 16/29/33	Continued clean PID = 0 PPM	
		4	BC 26/29/40	Saturated	
15			CL	0.020" slot well screen	
20	noon	EOB		Monterey No. 3 sand	
25					
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WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

PO Box 5891, Vacaville CA 95696

Project: Weyerhaeuser Paper Company, Alameda		Job No.: 70632.20
Location: 1801 Hibbard Str., Alameda 94501		Date: March, 1994
Boring Designation: MW-11	Driller: Exploration Geoservices	
Logged by: BWW	Base: San Jose	
Boring Location: North of propane tank	Drill Equipment: Mobile B-51	
Soils Classification System: USCS	Diameter & Type Well Casing: 12" HSA, 4" dia. schedule 40 PVC	
Sample type: BRASS TUBE - SPLIT SPOON	Elevation & Datum: TOC 99.45	
Soil Matrix: YES	Completion Depth: 20' BGS	
Date Started: 1-11-94	Finished: 1-11-94	Depth to Groundwater: 12-13' BGS
Number of Samples: 2		

Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-11-94 2:30	MW-11	Asphalt Basecourse		Traffic cover & locking cap
5		1	CL BC 7/15/30	Sandy loam, well graded uncohesive, dry clean- no odor No odor or staining in sample	Concrete Bentonite grout
10		2	CL BC 17/24/26	light brown sand with slight clay stringers No odor or stain in sample	Bentonite Seal
15			CL	Saturated Clean	0.020" slot well screen
20	4:30	EOB		Monterey No 3 sand	Bottom plug
25					
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1745 Bell St.
7726 Muller Rd.
2059 Junction Ave.
141 Suburban Pkwy
2400 Cumberland Dr.
340 County Road No. 5

Indianapolis, IN 46268
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Westbrook, ME 04092

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(219) 464-2389
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FAX (408) 955-9078
FAX (805) 543-2685
FAX (219) 462-2953
FAX (207) 775-4029

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 (# 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 Col'd	# of Matrix Containers	Pres.	Filter y/n	Subject to Availability Analysis	Remarks	Lab ID #
B-1	5' 1-13 AM	SL	Brass		EPA 5520 oil & grease	JK0210 -1	
B-1	10'					-2	
B-2	5'					-3	
B-2	10'					-4	
B-3	5'					-5	
B-3	11 1/2'					-6	
B-4	5 1/2'				EPA 8270 open SCAN	metals Cr, Cd, Pb, Zn, Ni -7	
North End Wall					"	" -8	

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
Brian West	1-14-94 11:00 AM				

FOR LAB USE ONLY

Shipping Method	Shipping #	Received By	Date/Time	Condition (See Remarks)		
				Cold	Sealed	Intact

REMARKS Supplements original chain of custody
Added to order JK0144 01/20/94 km

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



7726 Melrose Ave.
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(805) 547-3832
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(207) 874-2400

FAX (607) 309-1430
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FAX (408) 955-9078
FAX (805) 543-2685
FAX (219) 462-2953
FAX (207) 775-4029

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 Col'd	# of Matrix Containers	Pres.	Fit ym	*Subject to Availability Analysis			Remarks	Lab ID #
					EPA 5520 oil & grease	EPA 8270 open Scan	metals Cr, Cd, Pb, Zn, Ni		
MW-8 7'	1-13 AM	SL	Brass						-9
MW-9 5'									-10
MW-9 9'									-11
MW-10 5'									-12
MW-10 9'									-13
MW-10b 7 1/2'									-14
MW-10b 11 1/2'									-15

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
<u>Brian West</u>	<u>1-14-94</u> <u>11:00 AM</u>				

Shipping Method _____ Shipping # _____ Received By _____ Date/Time _____ Condition (See Remarks) _____
 REMARKS Supplements original chain of custody

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

RECEIVED IN THE LABORATORY ON 1-14-94 AT 11:00 AM



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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 Col'd	*Matrix	# of Containers	Pres.	Fit y/n	*Subject to Availability Analysis	Remarks	Lab ID #
MW-11 6'	1-13 AM	SL	Brass			EPA 5520 oil & grease	<i>JK0210</i>	
MW-11 11'						"	<i>JK0210</i>	

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
<u>Brian West</u>	<u>1-14-94</u> <u>11:00 AM</u>				

FOR LAB USE ONLY

Shipping Method	Shipping #	Received By	Date/Time	Condition (See Remarks)		
				Crk	Sealed	Intact
REMARKS <u>Supplements original chain of custody</u>						

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

WEST & ASSOCIATES ENGINEERS

- 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
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- 340 County Road No. 5 • Westbrook, ME 04092 • (207) 874-2400 FAX (207) 775-4029

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Client: West & Associates Engineers		Contact: Brian West	Phone #: (707) 451-1360	FAX #: (707) 451-1360
Address: 112 Peppercell		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): Brian West		Due Date: Standard	Circle for: RUSH	Copies To:

Sample Description	Date/Time Colld	# of Matrix Containers	Pres.	Filter y/n	Subject to Availability Analysis	Remarks	Lab ID #
B-1 5'	1-13 AM	SL	BRASS		EPA 8260 Fuel Fingerprint		JK014-1
B-1 10'	/	/	/	/	/	/	/
B-2 5'	/	/	/	/	/	/	/
B-2 10'	/	/	/	/	/	/	/
B-3 5'	/	/	/	/	/	/	/
B-3 11 1/2'	/	/	/	/	/	/	/
B-4 5 1/2'	/	/	/	/	/	/	/
North End Wall	/	/	/	/	/	/	/

Relinquished By: Brian West	Date/Time: 1-14-93 11:00 AM	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

FOR LAB USE ONLY	Shipping Method:	Shipping #:	Received By: APLION A Abraham	Date/Time: 01/14/93 11:00	Condition (See Remarks):
	REMARKS:		Cold: <input checked="" type="checkbox"/>	Sealed: <input type="checkbox"/>	Intact: <input checked="" type="checkbox"/>

- *Matrix:**
- 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

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• (207) 874-2400 FAX (207) 775-4029

• PLEASE PRINT IN PEN

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

Sample Description	Date/Time Colld	# of Matrix Containers	Pres	Fill y/m	Subject to Availability Analysis	Remarks	Lab ID #
MW-8 7'	1-13 AM	SL	BRASS		EPA 8260 Fuel Fingerprint		JK0111-9
MW-9 5'	/	/	/	/	/		-10
MW-9 9'	/	/	/	/	/		-11
MW-10 5'	/	/	/	/	/	analyze grey end	-12
MW-10 9'	/	/	/	/	/		-13
MW-10b 7 1/2'	/	/	/	/	/		-14
MW-10b 11 1/2'	/	/	/	/	/		-15

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
<u>Brian West</u>	<u>1-14-93 11:00</u>				

FOR LAB USE ONLY

Shipping Method	Shipping #	Received By: <u>Alison Abraham</u>	Date/Time: <u>01/14/93 11:00</u>	Condition (See Remarks): Cold: <input checked="" type="checkbox"/> Sealed: <input type="checkbox"/> Intact: <input checked="" type="checkbox"/>
REMARKS:				

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

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 340 County Road No. 5 • Westbrook, ME 04092 • (207) 874-2400 FAX (207) 775-4029

• PLEASE PRINT IN PEN:

Client: <u>West & Associates Engineers</u>	Contact: <u>Brian West</u>	Phone #: <u>(707) 451-1360</u>	FAX #: <u>()</u>
Address: <u>112 Pepperell</u> City: <u>Vacaville</u> State: <u>CA</u> Zip: <u>95688</u>			
Project Name/Number: <u>Weyerhaeuser Alameda</u>		Project MGR: <u>B. West</u>	
Bill (if different than above): <u>Same</u> Address: _____			
Sampler (Print and sign): <u>Brian West</u>		Due Date: <u>Standard</u> <input type="radio"/> <u>RUSH</u> <input type="radio"/>	Copies To: _____ Auth. Init: _____

Sample Description	Date/Time Col'd	# of Matrix Containers	Pres.	Filt. y/n	Subject to Availability Analysis	Remarks	Lab ID #
<u>MW-11 6'</u>	<u>1-13 AM</u>	<u>SL</u>	<u>Brass</u>		<u>EPA 8260 Fuel Fingerprint</u>		<u>AK0114-16</u>
<u>MW-11 11'</u>	<u>1-13 AM</u>	<u>"</u>	<u>"</u>		<u>"</u>		<u>17</u>

Relinquished By: <u>Brian West</u>	Date/Time: <u>1-14-93 11:00 AM</u>	Received By: _____	Date/Time: _____	Received By: _____

FOR LAB USE ONLY

Shipping Method:	Shipping #:	Received By: <u>M. J. Abraham</u>	Date/Time: <u>01/14/93 1100</u>	Condition (See Remarks): Cold <input checked="" type="checkbox"/> Sealed <input type="checkbox"/> Intact <input checked="" type="checkbox"/>
REMARKS:				

*** Matrix:**
 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 _____

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

SAMPLE ID	OIL & GREASE	TPH (diesel)	TPH (gas)	BENZENE	TOLUENE	XYLENES	ETHYL BENZENE
B-1, 5'	ND	ND	ND	ND	0.011	ND	ND
B-1, 10'	ND	ND	ND	ND	ND	ND	ND
B-2, 5'	ND	ND	ND	ND	ND	ND	ND
B-2, 10'	ND	ND	ND	ND	0.09	ND	ND
B-3, 5'	ND	ND	ND	ND	ND	ND	ND
B-3, 11.5'	ND	ND	ND	ND	ND	ND	ND
B-4, 5.5'	ND	ND ¹	ND	ND	ND	1.2	ND
MW-8, 7'	ND	ND	ND	ND	ND	ND	ND
MW-9, 5'	ND	ND	ND	ND	ND	ND	ND
MW-9, 9'	ND	ND	ND	0.017	ND	ND	0.099
MW-10, 5'	ND	ND	ND	ND	ND	ND	ND
MW-10, 9'	ND	ND	ND	ND	ND	ND	ND
MW-10b, 7.5'	ND	ND	ND	ND	ND	ND	ND
MW-10b, 11.5'	ND	ND	ND	ND	ND	ND	ND
MW-11, 6'	50	ND	ND	ND	ND	ND	ND
MW-11, 11'	ND	ND	ND	ND	ND	ND	ND
NORTH END WALL	50	ND	ND	ND	ND	ND	ND

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

¹ Heavier molecular weight hydrocarbon compounds were detected

Initial values may have been low due to volatility of contaminants from sandy soil.

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

METAL	B-4, 5.5'	MW-8, 7'	MW-9, 5'	MW-9, 9'	MW-10, 5'	MW-10, 9'	NORTH END WALL
CADMIUM	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	23	21	24	24	19	26	21
LEAD	8	6	4	6	8	6	6
NICKEL	28	27	16	24	10	28	22
ZINC	17	60	25	21	21	30	16

NOTES:

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



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

Lab Number : JK-0144-1
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
B-1 @ 5'	Soil	Brian West	01/13/94	01/14/94	
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
FUEL FINGERPRINT ANALYSIS					1,2
Benzene		0.005	ND		
Toluene		0.005	0.011		
Ethylbenzene		0.005	ND		
Xylenes		0.005	ND		
1,2-Dichloroethane		0.005	ND		
Ethylene dibromide		0.005	ND		
Total Petroleum Hydrocarbons (Gasoline)		1.	ND		
Total Petroleum Hydrocarbons (Diesel 2)		1.	ND		
Percent Surrogate Recovery			89.		

San Jose Lab Certifications: CAELAP #1204

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

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

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

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

Dudley Torres
Organics Manager

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San Jose, CA 95131
(408) 955-9077

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0144-2
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

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

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San Jose, CA 95131
(408) 955-9077

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0144-3
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

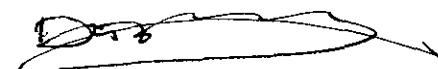
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
B-2 @ 5'	Soil	Brian West	01/13/94	01/14/94	
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
FUEL FINGERPRINT ANALYSIS					1,2
Benzene		0.005	ND		
Toluene		0.005	ND		
Ethylbenzene		0.005	ND		
Xylenes		0.005	ND		
1,2-Dichloroethane		0.005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

San Jose Lab Certifications: CAELAP #1204

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

01/25/94
MSD1/2AE75A
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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0144-4
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

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

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

01/25/94
MSD1/2AE76A
DT/et/on
MSD1-011994

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CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0144-5
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

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

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

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

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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0144-6
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

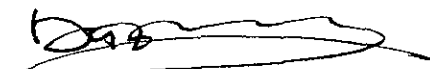
San Jose Lab Certifications: CAELAP #1204

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

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

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

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Organics Manager

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San Jose, CA 95131
(408) 955-9077

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0144-7
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

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

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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

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Peppereil Court
Vacaville, CA 95696

Lab Number : JK-0144-8
Project : Weyerhaeuser Alameda
Analyzed : 01/24/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

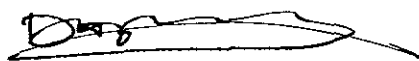
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
North End Wall	Soil	Brian West	01/13/94	01/14/94	
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
FUEL FINGERPRINT ANALYSIS					
Benzene		0.005	ND	1,2	
Toluene		0.005	ND		
Ethylbenzene		0.005	ND		
Xylenes		0.005	ND		
1,2-Dichloroethane	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

San Jose Lab Certifications: CAELAP #1204

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

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

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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0144-9
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

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

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

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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0144-10
Project : Weyerhaeuser Alameda
Analyzed : 01/24/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

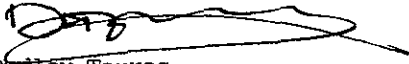
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-9 @ 5'	Soil	Brian West	01/13/94	01/14/94	
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
FUEL FINGERPRINT ANALYSIS					1,2
Benzene		0.005	ND		
Toluene		0.005	ND		
Ethylbenzene		0.005	ND		
Xylenes		0.005	ND		
1,2-Dichloroethane		0.005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

San Jose Lab Certifications: CAELAP #1204

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

01/25/94
MSD1/2AF33A
DT/et/on
MSD1-012494

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

Lab Number : JK-0144-11
Project : Weyerhaeuser Alameda
Analyzed : 01/24/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

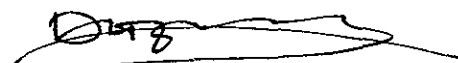
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-9 @ 9'	Soil	Brian West	01/13/94	01/14/94
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		0.005	0.017	
Toluene		0.005	ND	
Ethylbenzene		0.005	0.099	
Xylenes		0.005	ND	
1,2-Dichloroethane		0.005	ND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

San Jose Lab Certifications: CAELAP #1204

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

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

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

Lab Number : JK-0144-12
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

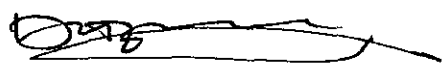
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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

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

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

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

Lab Number : JK-0144-13
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

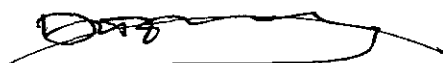
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-10 @ 9'	Soil	Brian West	01/13/94	01/14/94
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		0.005	ND	
Toluene		0.005	ND	
Ethylbenzene		0.005	ND	
Xylenes		0.005	ND	
1,2-Dichloroethane		0.005	ND	
Ethylene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

San Jose Lab Certifications: CAELAP #1204

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

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

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

Lab Number : JK-0144-14
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

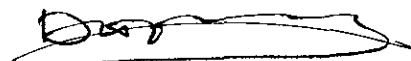
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-10b @ 7.5'	Soil	Brian West	01/13/94	01/14/94	
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
FUEL FINGERPRINT ANALYSIS					1,2
Benzene		0.005	ND		
Toluene		0.005	ND		
Ethylbenzene		0.005	ND		
Xylenes		0.005	ND		
1,2-Dichloroethane		0.005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

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

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

Lab Number : JK-0144-15
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

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

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

Lab Number : JK-0144-16
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

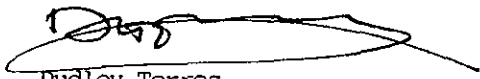
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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

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

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

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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

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0144-17
Project : Weyerhaeuser Alameda
Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

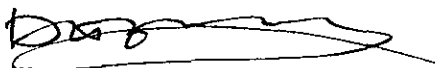
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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

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

01/25/94
MSD1/2AE83A
DT/et/on
MSD1-011994

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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: MSD1-011994

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

Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

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

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

01/25/94
MSD1/2AE64A
DT/et/on
JK0144-6

Respectfully submitted,
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Dudley Torres
Organics Manager

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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

QC Batch ID: MSD1-011994

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

Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

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

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

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

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

QC Batch ID: MSD1-011994

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

Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

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

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

01/25/94
MSD1/2AE69A/72A
DT/et/mcc/on
JK0144-6

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

Lab Number : JK-0210-1
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
CG9402G1A

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

Lab Number : JK-0210-2
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
B-1 10' (JK0144 -2)	Soil	Brian West	01/13/94	01/14/94
CONSTITUENT	*PQL	RESULT	UNITS	METHOD ANALYZED BY NOTES
Total Oil & Grease	50.	ND	mg/Kg	SM5520B 02/01/94 CL

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
CG940201A

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

Lab Number : JK-0210-3
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
OG940201A

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

Lab Number : JK-0210-4
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED				
R-2 10' (JK0144 -4)	Soil	Brian West	01/13/94	01/14/94			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Total Oil & Grease	50.	ND	mg/Kg	SM5520B	02/01/94	CL	

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
CG940201A

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

Lab Number : JK-0210-5
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
OG940201A

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

Lab Number : JK-0210-6
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
B-3 11.5' (JK0144 -6)	Soil	Brian West	01/13/94	01/14/94	
CONSTITUENT	*PQL	RESULT	UNITS	METHOD ANALYZED	BY NOTES
Total Oil & Grease	50.	ND	mg/Kg	SM5520B 02/01/94	CL

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
OG940201A

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

Lab Number : JK-0210-7
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
B-4 5.5' (JK0144 -7)	Soil	Brian West		01/13/94	01/14/94		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	01/31/94	DO	1
Chromium, Total	0.5	23.	mg/Kg	EPA 6010	01/31/94	DO	1
Lead, Total	1.	8.	mg/Kg	EPA 7420	01/28/94	KP	1
Nickel, Total	1.	28.	mg/Kg	EPA 6010	01/31/94	DO	1
Zinc, Total	1.	17.	mg/Kg	EPA 6010	01/31/94	DO	1
Total Oil & Grease	50.	ND	mg/Kg	SM5520B	02/01/94	CL	

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
5094012702

Respectfully submitted,
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Nick Gagne
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
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0210-9
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
MW-8 7' (JK0144 -9)	Soil	Brian West		01/13/94	01/14/94		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	01/31/94	DO	1
Chromium, Total	0.5	21.	mg/Kg	EPA 6010	01/31/94	DO	1
Lead, Total	1.	6.	mg/Kg	EPA 7420	01/28/94	KP	1
Nickel, Total	1.	27.	mg/Kg	EPA 6010	01/31/94	DO	1
Zinc, Total	1.	60.	mg/Kg	EPA 6010	01/31/94	DO	1
Total Oil & Grease	50.	ND	mg/Kg	SM5520B	02/01/94	CL	

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
5094012702

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

Lab Number : JK-0210-10
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
5094012702

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

Lab Number : JK-0210-11
Project : Weyerhauser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
MW-9 9' (JK0144 -11)	Soil	Brian West		01/13/94	01/14/94		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	01/31/94	DO	1
Chromium, Total	0.5	24.	mg/Kg	EPA 6010	01/31/94	DO	1
Lead, Total	1.	6.	mg/Kg	EPA 7420	01/28/94	KP	1
Nickel, Total	1.	24.	mg/Kg	EPA 6010	01/31/94	DO	1
Zinc, Total	1.	21.	mg/Kg	EPA 6010	01/31/94	DO	1
Total Oil & Grease	50.	ND	mg/Kg	SM5520B	02/01/94	CL	

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
5094012702

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

Lab Number : JK-0210-12
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

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

02/02/94

NC/sab/cml
5094012702

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

Lab Number : JK-0210-13
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
5094012702

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

Lab Number : JK-0210-8
Project : Weyerhauser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
North End Wall (JK0144 -8)	Soil	Brian West		01/13/94	01/14/94		
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Cadmium, Total	0.5	ND	mg/Kg	EPA 6010	01/31/94	DO	1
Chromium, Total	0.5	21.	mg/Kg	EPA 6010	01/31/94	DO	1
Lead, Total	1.	6.	mg/Kg	EPA 7420	01/28/94	KP	1
Nickel, Total	1.	22.	mg/Kg	EPA 6010	01/31/94	DO	1
Zinc, Total	1.	16.	mg/Kg	EPA 6010	01/31/94	DO	1
Total Oil & Grease	50.	50.	mg/Kg	SM5520B	02/01/94	CL	

San Jose Lab Certifications: CAELAP #1204

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

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

02/02/94

NG/sab/cml
5094012702

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

Lab Number : JK-0210-14
Project : Weyerhauser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-10b 7.5'	Soil	Brian West	01/13/94	01/14/94
CONSTITUENT	*PQL	RESULT	UNITS	METHOD ANALYZED BY NOTES
Total Oil & Grease	50.	ND	mg/Kg	SM5520B 02/01/94 CL

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
OG940201B

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

Lab Number : JK-0210-15
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-10b 11.5'	Soil	Brian West	01/13/94	01/14/94
CONSTITUENT	*PQL	RESULT	UNITS	METHOD ANALYZED BY NOTES
Total Oil & Grease	50.	ND	mg/Kg	SM5520B 02/01/94 CL

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
OG940201B

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

Lab Number : JK-0210-16
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

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CG940201B

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

Lab Number : JK-0210-17
Project : Weyerhaeuser-Alameda

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
CG940201B

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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: OG940201A

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

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
JK0210-2

Respectfully submitted,
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IN ANALYSIS

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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

QC Batch ID: OG940201A

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

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	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.	380.	0.	mg/Kg	SM5520B	02/01/94	CL	

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml
JK0210-2

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San Jose, CA 95131
(408) 955-9077

QC Batch ID: OG940201B

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

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	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
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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

QC Batch ID: OG940201B

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

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	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
JK0210-13

Respectfully submitted,
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Inorganics Manager

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WEYWEHAEUSER ALAMEDA
SEMI-VOLATILE ORGANIC ANALYSIS - SOIL
FEBRUARY 1994

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



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

Lab Number : JK-0210-7
Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

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

01/31/94
MSD2/2N65B/84B
DT/et/dez
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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
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Lab Number : JK-0210-7
Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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

San Jose Lab Certifications: CAELAP #1204

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Lab Number : JK-0210-7
Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
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REPORT OF ANALYTICAL RESULTS

Page 3 of 5

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

San Jose Lab Certifications: CAELAP #1204

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REPORT OF ANALYTICAL RESULTS

Page 4 of 5

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

San Jose Lab Certifications: CAELAP #1204

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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

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West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
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Lab Number : JK-0210-7
Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
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REPORT OF ANALYTICAL RESULTS

Page 5 of 5

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

San Jose Lab Certifications: CAELAP #1204

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01/31/94
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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

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0210-8
Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

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

Lab Number : JK-0210-8
Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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

San Jose Lab Certifications: CAELAP #1204

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Lab Number : JK-0210-8
Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 3 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

Lab Number : JK-0210-8
Project : Weyerhauser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

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

San Jose Lab Certifications: CAELAP #1204

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REPORT OF ANALYTICAL RESULTS

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

San Jose Lab Certifications: CAELAP #1204

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

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

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

Lab Number : JK-0210-9
Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

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

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REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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

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SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-8 7' (JK0144 -9)	Soil	Brian West	01/13/94	01/14/94	
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
Naphthalene	(91203)	0.5	ND		
Nitrobenzene	(98953)	0.5	ND		
N-Nitrosodimethylamine	(62759)	0.5	ND		
N-Nitrosodiphenylamine	(86306)	0.5	ND		
N-Nitrosodi-n-propylamine	(621647)	0.5	ND		
Phenanthrene	(85018)	0.5	ND		
Pyrene	(129000)	0.5	ND		
Trichlorobenzene	(108703)	0.5	ND		
4-Chloro-3-methylphenol	(59507)	2.	ND		
2-Chlorophenol	(95578)	2.	ND		
Cresols (total)		2.	ND		
2,4-Dichlorophenol	(120832)	2.	ND		
2,4-Dimethylphenol	(105679)	2.	ND		
2,4-Dinitrophenol	(51285)	2.	ND		
2-Methyl-4,6-dinitrophenol	(534521)	2.	ND		
2-Nitrophenol	(88755)	2.	ND		
4-Nitrophenol	(100027)	2.	ND		
Pentachlorophenol	(87865)	2.	ND		
Phenol	(108952)	2.	ND		
2,4,6-Trichlorophenol	(88062)	2.	ND		

San Jose Lab Certifications: CAELAP #1204

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REPORT OF ANALYTICAL RESULTS

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

San Jose Lab Certifications: CAELAP #1204

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Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
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REPORT OF ANALYTICAL RESULTS

Page 5 of 5

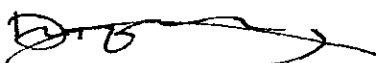
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-8 7' (JK0144 -9)	Soil	Brian West	01/13/94	01/14/94	
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
AROCLOR 1242	(53469219)	10.	ND		
AROCLOR 1248	(12672296)	10.	ND		
AROCLOR 1254	(11097691)	10.	ND		
AROCLOR 1260	(11096825)	10.	ND		
Phenol-d5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

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San Jose, CA 95131
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West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0210-10
Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-9 5' (JK0144 - 10)	Soil	Brian West	01/13/94	01/14/94

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS				1
Acenaphthylene	(208968)	0.5	ND	
Acenaphthene	(83329)	0.5	ND	
Anthracene	(120127)	0.5	ND	
Benzydine	(92875)	5.	ND	
Benzo(a)anthracene	(56553)	0.5	ND	
Benzo(b)fluoranthene	(205992)	0.5	ND	
Benzo(k)fluoranthene	(207089)	0.5	ND	
Benzo(a)pyrene	(50328)	0.5	ND	
Benzo(ghi)perylene	(191242)	0.5	ND	
Bis(2-chloroethoxy)methane	(111911)	0.5	ND	
Bis(2-chloroethyl)ether	(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether	(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate	(117817)	1.	ND	
4-Bromophenylphenylether	(101553)	0.5	ND	
Butylbenzylphthalate	(85687)	0.5	ND	
2-Chloronaphthalene	(91587)	0.5	ND	
4-Chlorophenylphenylether	(7005723)	0.5	ND	
Chrysene	(218019)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

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

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REPORT OF ANALYTICAL RESULTS

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

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REPORT OF ANALYTICAL RESULTS

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

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

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

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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0210-11
Project : Weyerhauser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-9 9' (JK0144 -11)	Soil	Brian West	01/13/94	01/14/94
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS				1
Acenaphthylene	(208968)	0.5	ND	
Acenaphthene	(83329)	0.5	ND	
Anthracene	(120127)	0.5	ND	
Benzidine	(92875)	5.	ND	
Benzo(a)anthracene	(56553)	0.5	ND	
Benzo(b)fluoranthene	(205992)	0.5	ND	
Benzo(k)fluoranthene	(207089)	0.5	ND	
Benzo(a)pyrene	(50328)	0.5	ND	
Benzo(ghi)perylene	(191242)	0.5	ND	
Bis(2-chloroethoxy)methane	(111911)	0.5	ND	
Bis(2-chloroethyl)ether	(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether	(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate	(117817)	1.	ND	
4-Bromophenylphenylether	(101553)	0.5	ND	
Butylbenzylphthalate	(85687)	0.5	ND	
2-Chloronaphthalene	(91587)	0.5	ND	
4-Chlorophenylphenylether	(7005723)	0.5	ND	
Chrysene	(218019)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

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

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

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

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Lab Number : JK-0210-11
Project : Weyerhaeuser-Alameda
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Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-9 9' (JK0144 -11)	Soil	Brian West	01/13/94	01/14/94	
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
Dibenzo(a,h)anthracene	(53703)	0.5	ND		
Di-n-butylphthalate	(84742)	0.5	ND		
1,2-Dichlorobenzene	(95501)	0.5	ND		
1,3-Dichlorobenzene	(541731)	0.5	ND		
1,4-Dichlorobenzene	(106467)	0.5	ND		
3,3-Dichlorobenzidine	(91941)	5.	ND		
Diethylphthalate	(84662)	0.5	ND		
Dimethylphthalate	(131113)	0.5	ND		
2,4-Dinitrotoluene	(121142)	0.5	ND		
2,6-Dinitrotoluene	(606202)	0.5	ND		
Di-n-octylphthalate	(117840)	0.5	ND		
Fluoranthene	(206440)	0.5	ND		
Fluorene	(86737)	0.5	ND		
Hexachlorobenzene	(118741)	0.3	ND		
Hexachlorobutadiene	(87683)	0.5	ND		
Hexachlorocyclopentadiene	(77474)	0.3	ND		
Hexachloroethane	(67721)	0.5	ND		
Indeno(1,2,3-cd)pyrene	(193395)	0.5	ND		
Isophorone	(78591)	0.5	ND		
Methylnaphthalenes	(91576)	0.5	ND		

San Jose Lab Certifications: CAELAP #1204

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

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REPORT OF ANALYTICAL RESULTS

Page 3 of 5

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

San Jose Lab Certifications: CAELAP #1204

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REPORT OF ANALYTICAL RESULTS

Page 4 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

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Lab Number : JK-0210-11
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REPORT OF ANALYTICAL RESULTS

Page 5 of 5

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

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

Lab Number : JK-0210-12
Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

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REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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

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

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REPORT OF ANALYTICAL RESULTS

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

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Page 5 of 5

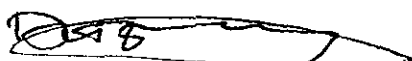
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-10 5' (JK0144 -12)	Soil	Brian West	01/13/94	01/14/94	
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
AROCLOR 1242	(53469219)	10.	ND		
AROCLOR 1248	(12672296)	10.	ND		
AROCLOR 1254	(11097691)	10.	ND		
AROCLOR 1260	(11096825)	10.	ND		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

San Jose Lab Certifications: CAELAP #1204

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01/31/94
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BNA-012694S

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Organics Manager

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CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0210-13
Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-10 9' (JK0144 -13)	Soil	Brian West	01/13/94	01/14/94

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS				1
Acenaphthylene	(208968)	0.5	ND	
Acenaphthene	(83329)	0.5	ND	
Anthracene	(120127)	0.5	ND	
Benzidine	(92875)	5.	ND	
Benzo(a)anthracene	(56553)	0.5	ND	
Benzo(b)fluoranthene	(205992)	0.5	ND	
Benzo(k)fluoranthene	(207089)	0.5	ND	
Benzo(a)pyrene	(50328)	0.5	ND	
Benzo(ghi)perylene	(191242)	0.5	ND	
Bis(2-chloroethoxy)methane	(111911)	0.5	ND	
Bis(2-chloroethyl)ether	(111444)	0.5	ND	
Bis(2-chloroisopropyl)ether	(39638329)	0.5	ND	
Bis(2-ethylhexyl)phthalate	(117817)	1.	ND	
4-Bromophenylphenylether	(101553)	0.5	ND	
Butylbenzylphthalate	(85687)	0.5	ND	
2-Chloronaphthalene	(91587)	0.5	ND	
4-Chlorophenylphenylether	(7005723)	0.5	ND	
Chrysene	(218019)	0.5	ND	

San Jose Lab Certifications: CAELAP #1204

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

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

01/31/94
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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
P.O. Box 5891, 112 Peppereil Court
Vacaville, CA 95696

Lab Number : JK-0210-13
Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

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CLIENT: Brian W. West
West & Associates Env. Engineers
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Vacaville, CA 95696

Lab Number : JK-0210-13
Project : Weyerhaeuser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 3 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

Lab Number : JK-0210-13
Project : Weyerhauser-Alameda
Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

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REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-10 9' (JK0144 -13)	Soil	Brian West	01/13/94	01/14/94

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
AROCLOR 1242	(53469219)	10.	ND	
AROCLOR 1248	(12672296)	10.	ND	
AROCLOR 1254	(11097691)	10.	ND	
AROCLOR 1260	(11096825)	10.	ND	
Phenol-d5 (Surrogate % Recovery)			51.	
2-Fluorophenol (Surrogate % Recovery)			48.	
2,4,6-Tribromophenol (Surrogate % Recovery)			60.	
Nitrobenzene-d5 (Surrogate % Recovery)			44.	
2-Fluorobiphenyl (Surrogate % Recovery)			49.	
4-Terphenyl-d14 (Surrogate % Recovery)			83.	

San Jose Lab Certifications: CAELAP #1204

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

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

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

Dudley Torres
Organics Manager

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San Jose, CA 95131
(408) 955-9077

QC Batch ID: BNA-012694S

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

Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

Page 1 of 4

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

San Jose Lab Certifications: CAELAP #1204

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

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

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Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

Page 2 of 4

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

San Jose Lab Certifications: CAELAP #1204

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01/31/94
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Analyzed by: DZ
Method : EPA 8270

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

Page 3 of 4

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

San Jose Lab Certifications: CAELAP #1204

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Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

Page 4 of 4

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

San Jose Lab Certifications: CAELAP #1204

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

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

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

Dudley Torres
Organics Manager

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San Jose, CA 95131
(408) 955-9077

QC Batch ID: BNA-012694S

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

Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

QC SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

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

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

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

Dudley Torres
Organics Manager

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NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

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

QC Batch ID: BNA-012694S

Analyzed : 01/27/94
Analyzed by: DZ
Method : EPA 8270

QC SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

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

01/31/94
MSD2/2N64B
DT/et/dez
JKO210-8

Respectfully submitted,
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Dudley Torres
Organics Manager

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

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

NOTES

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

PPB: Parts Per Billion

Analysis by EPA test method TO-14



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					
Benzene	0.02	ND	ND	1,2	
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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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-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	RESULT	RESULT	NOTE	
	ppbv	ppbv	µg/cu M		
FUEL FINGERPRINT in AIR					
Benzene	20.	ND	ND	1,2	
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

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Air Toxics Group Leader

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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-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 ppbv	RESULT ppbv	RESULT µg/cu M	NOTE	
FUEL FINGERPRINT in AIR					
Benzene	20.	970.	3100.	1,2	
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

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Air Toxics Group Leader

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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-0562-2
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					
Benzene		0.02	ND	ND	1,2
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

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Gesheng Dai, Ph.D.
Air Toxics Group Leader

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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-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 ppbv	RESULT ppbv	RESULT µg/cu M	NOTE
FUEL FINGERPRINT in AIR				1,2
Benzene	20.	ND	ND	
Toluene	20.	70.	270.	
Ethylbenzene	20.	60.	250.	
Xylenes	20.	370.	1600.	
Ethylene Dichloride	20.	ND	ND	
Ethylene Dibromide	10.	ND	ND	
Total Fuel (non-methane hydrocarbons)	1000.	17000.	60000	

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

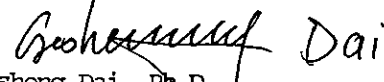
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(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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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-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	RESULT	RESULT	NOTE	
	ppbv	ppbv	µg/cu M		
FUEL FINGERPRINT in AIR					
Benzene	20.	180.	590.	1,2	
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

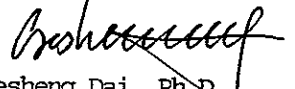
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(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,
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Air Toxics Group Leader

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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-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; UTIELAP #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,
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Air Toxics Group Leader

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EXCELLENCE
IN ANALYSIS

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					
Benzene	(71432)	50.	ND	1	
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,
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Air Toxics Group Leader

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EXCELLENCE
IN ANALYSIS

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

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

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

Analyzed : 02/07/94
Analyzed by: EJ
Method : EPA TO-14

QC SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED 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

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Air Toxics Group Leader

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EXCELLENCE
IN ANALYSIS

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

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

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

Analyzed : 02/15/94
Analyzed by: EJ
Method : EPA TO-14

INSTRUMENT BLANK
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

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Gesheng Dai, Ph.D.
Air Toxics Group Leader

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EXCELLENCE
IN ANALYSIS

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

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

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

Analyzed : 02/15/94
Analyzed by: EJ
Method : EPA TO-14

QC SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED 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

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Air Toxics Group Leader

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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 #	See () Remarks	
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)	BWV Brian West			Due Date	Standard		Circle for RUSH*	Copies To: *		See Remarks	

Sample Description	Date/Time Coll'd	*Matrix	# of Containers	Pres.	Filt. y/n	* Subject to Availability Analysis	Remarks	Lab ID #
MW-1	2-3 PM	GW	6	Hc		EPA 624 + TPH; EPA 625 CAM 17 metals; oil & grease		
MW-2	2-3 AM							
MW-3	2-3 PM						High gas concen.	
MW-4	2-3 AM							
MW-5	2-3 PM							
MW-6	2-3 PM							
MW-7	2-3 AM							
MW-9	2-3 PM	Y	Y	Y				

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	Cold	Sealed	Intact
Hand Carry		Whellie Hoyt	2-4-94 1030	Y	Y	Y
REMARKS: Do not telefax results						
* Submit 5 copies of results ↳ photocopies						

- * Matrix:
- 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



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

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• (408) 955-9077 FAX (408) 955-9078
• (805) 547-3888 FAX (805) 543-2685
• (219) 464-2389 FAX (219) 462-2953
• (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 ₂ O		EPA 624 + TPH ; EPA 625 CAM 17 metals ; oil & grease		
MW-11	2-3 AM		6					
QC	2-3 AM	✓	3	✓		EPA 624 + TPH		

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 Huff Date/Time: 2-4-94 1030 Condition (See Remarks):
 Cold Sealed Intact
 REMARKS: _____

- * Matrix:
- 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

CLIENT

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

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

NOTES

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

WEYERHAEUSER ALAMEDA
VOLATILE ORGANIC ANALYSIS - GROUNDWATER
FEBRUARY 1994

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
MW-1	CARBON DISULFIDE	3.4
	1,1-DICHOLORETHANE	2.5

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

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

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
MW-4	CARBON DISULFIDE	4.7
	CHLOROETHANE	1.9
	1,1 DICHLOROETHANE	22
	TRANS-1,2-DICHLOROETHANE	18
	CIS-1,2-DICHLOROETHANE	18
	TRICHLOROETHANE	2.1

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
MW-5	TETRACHLOROETHANE	1.1
	1,1-DICHOLORETHANE	2.5

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
MW-6	1,2-DICHLOROETHANE	1.1
	1,1-DICHLOROETHANE	2.6
	CIS-1,2-DICHLOROETHANE	2.1
	TETRACHLOROETHANE	1.3

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
MW-7	CHLOROETHANE	1.6
	1,1-DICHLOROETHANE	18
	1,2-DICHLOROETHANE	10
	CIS-1,2-DICHLOROETHANE	7.9
	TRICHLOROETHANE	2.0

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
QC	BROMODICHLOROETHANE	11
	BROMOFORM	1.1
	CHLOROFORM	17
	DIBROMOCHLOROMETHANE	6.2



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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-0396-1
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
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FIN2/021194W

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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

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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

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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

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	NOTE	
VOLATILE ORGANIC COMPOUNDS					
Acetone	(67641)	50.	ND	1	
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)

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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	

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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)

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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

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)

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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

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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
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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

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)

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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 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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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-0396-5
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				
Acetone	(67641)	20.	ND	1
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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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 µg/L	NOTE	
Vinyl Acetate	(108054)	5.	ND		
Vinyl Chloride	(75014)	1.	ND		
Xylenes (total)	(1330207)	1.	ND		
Total Petroleum Hydrocarbons (Gasoline)		50.	ND		
Total Petroleum Hydrocarbons (Diesel)		50.	ND		
D4-DCA (% Surrogate Recovery #1)			87.		
D8-TOL (% Surrogate Recovery #2)			111.		
BFB (% Surrogate Recovery #3)			94.		

San Jose Lab Certifications: CAELAP #1204

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

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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

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 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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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 3 of 3

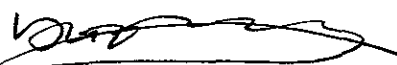
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-6	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Vinyl Acetate	(108054)	5.	ND		
Vinyl Chloride	(75014)	1.	ND		
Xylenes (total)	(1330207)	1.	ND		
Total Petroleum Hydrocarbons (Gasoline)		50.	ND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

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

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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				
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	

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-0396-7
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

*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 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,
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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-0396-8
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)

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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 : 02/15/94
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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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 3 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
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

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

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Respectfully submitted,
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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-0396-9
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					
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		

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-0396-9
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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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 : 02/12/94
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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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-0396-10
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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*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-0396-10
Project : Weyerhaeuser Alameda
Analyzed : 02/15/94
Analyzed by: MM
Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE 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		
1,1,2,2-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		

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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
112 Pepperell Court
Vacaville, CA 95688

Lab Number : JK-0396-10
Project : Weyerhaeuser Alameda
Analyzed : 02/15/94
Analyzed by: MM
Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3


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

San Jose Lab Certifications: CAELAP #1204

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

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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-0396-11
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		NOTE
QC	Aqueous	Brian West	02/03/94	02/04/94	
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	
VOLATILE ORGANIC COMPOUNDS					1
Acetone		(67641)	20.	ND	
Benzene		(71432)	1.	ND	
Bromodichloromethane		(75274)	1.	11.	
Bromoform		(75252)	1.	1.1	
Bromomethane		(74839)	1.	ND	
2-Butanone (MEK)		(78933)	10.	ND	
Carbon Disulfide		(75150)	2.	ND	
Carbon Tetrachloride		(56235)	1.	ND	
Chlorobenzene		(108907)	1.	ND	
Chloroethane		(75003)	1.	ND	
2-Chloroethyl Vinyl Ether		(110758)	5.	ND	
Chloroform		(67663)	1.	17.	
Chloromethane		(74873)	1.	ND	
Dibromochloromethane		(124481)	1.	6.2	
1,2-Dichlorobenzene		(95501)	1.	ND	
1,3-Dichlorobenzene		(541731)	1.	ND	
1,4-Dichlorobenzene		(106467)	1.	ND	
1,1-Dichloroethane		(75343)	1.	ND	

San Jose Lab Certifications: CAELAP #1204

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

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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
112 Pepperell Court
Vacaville, CA 95688

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Analyzed by: MM
Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 2 of 3

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE 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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NorCal Division (San Jose Laboratory)
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-0396-11
Project : Weyerhaeuser Alameda
Analyzed : 02/15/94
Analyzed by: MM
Method : E624/8240

REPORT OF ANALYTICAL RESULTS

Page 3 of 3


SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE 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
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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: 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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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 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

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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

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
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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						
Benzene	1.5	50.	56.	109.	5.7	1
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)

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DT/et
JK0396-1

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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: 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
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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: 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						
Total Petroleum Hydrocarbons (Gasoline)	50.	1000.	1070.	107.	2.8	1

San Jose Lab Certifications: CAELAP #1204

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

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

02/15/94
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DT/et
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Organics Manager

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WEYERHAEUSER ALAMEDA
GROUNDWATER METALS ANALYSIS
FEBRUARY 1994
all values in mg/l

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

NOTES

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



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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-0396-1
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 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-0396-3
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	DC	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-0396-4
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 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-0396-5
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	DC 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	DC 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 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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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-0396-10
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 NF 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

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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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: 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 784C	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.

EXCELLENCE
IN ANALYSIS

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,
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Nick Gaone
Inorganics Manager

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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,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick J. Gaone
Nick Gaone
Inorganics Manager

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WEYWEHAEUSER ALAMEDA
SEMI-VOLATILE ORGANIC ANALYSIS - GROUNDWATER
FEBRUARY 1994

WELL IDENTIFICATION	COMPOUND	CONCENTRATION ug/l
MW-2	NAPTHALENE	19
MW-3	NAPTHALENE	170
	METHYLNAPTHALENE	45



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

REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-1	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS				1
Acenaphthylene	(208968)	5.	ND	
Acenaphthene	(83329)	5.	ND	
Anthracene	(120127)	5.	ND	
Benzidine	(92875)	50.	ND	
Benzo(a)anthracene	(56553)	5.	ND	
Benzo(b)fluoranthene	(205992)	10.	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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