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# VOLUME II

SITE INVESTIGATION REPORT  
FORMER UNDERGROUND TANK SITES

WEYERHAEUSER PAPER COMPANY  
ALAMEDA CORRUGATED BOX FACILITY

## APPENDICES

JANUARY 1995

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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-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		
Soil Matrix: YES		Elevation & Datum: ND
Date Started: 1-11-94	Finished: 1-11-94	Completion Depth: 10 feet BGS
Number of Samples: 3		Depth to Groundwater: 9.5 feet BGS

Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-11 9:45	Bi-	Gravel	Gravelly basecourse	
			GP		
			SM	Sandy loam, dry, uncohesive	
5		1	BC 9/10/12	Clean - No odor or staining	
		2	BC 9/10/30	Sandy, light brown	
			CL	increasing moisture	
10	10:30	3	BC 22/33/40	PID = 0 PPM	
		EOB		Standing water in hole well graded, saturated sand	
15					
20					
25					
30					
35					
40					

**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: BWW		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		
Soil Matrix: YES		Elevation & Datum: ND
Date Started: 1-11-94	Finished: 1-11-94	Completion Depth: 10.5 feet
Number of Samples: 4		Depth to Groundwater: NE

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	
			CL	Sandy with clay stringers	
5		1	BC 7/8/22	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	
15					
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35					
40					

**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 EOB	BC 10/17/23	Clean, no odor or staining Hole clean and dry @ 12'	
15					
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25					
30					
35					
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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: 6" solid stem auger
Sample type: BRASS TUBE - SPLIT SPOON		
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 Continued gas contamination	
10	10:00	EOB	CL	Contamination extends to capillary fringe @ 10 feet BGS	
15					
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25					
30					
35					
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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: BWB		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 10:15		Asphalt		
5			CL	Sandy with clay stringers  Obviously contaminated soil beginning at 3.5 feet BGS - ends at 5.5 feet BGS	
10	10:45	EOB		Well graded sand	
15					
20					
25					
30					
35					
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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-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  
 Soil Matrix: YES Elevation & Datum: ND  
 Date Started: 1-13-94 Finished: 1-13-94 Completion Depth: 9 feet BGS  
 Number of Samples: 3 Depth to Groundwater: NE

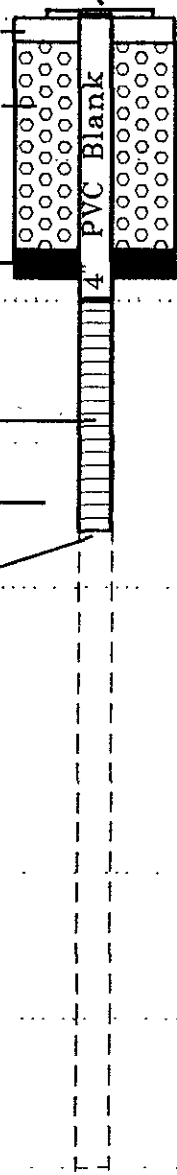
Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-13 8:30	B-MW8	Concrete Basecourse	Clean - No odor Sandy with clay stringers  Contamination based on odor and color: 6' - 9' BGS 1.2 PPM on PID Hole dry @ 9' BGS	
5		1	BC 9/10/21		
		2	BC 18/26/40		
10	9:15	EOB	3 BC 13/25/33		
15					
20					
25					
30					
35					
40					

# 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-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: 12" HSA, 4" dia. schedule 40 PVC
Sample type: BRASS TUBE - SPLIT SPOON		
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	Sandy loam, slight staining and odor	Traffic cover & locking cap Concrete
5		1	BC 4/8/12		
10		2	BC 15/27/36	Definite gas odor and stain Well graded sand w/ clay	Bentonite Seal
15		3	BC 8/14/31	127 PPM on PID Saturated	
20	4:00	EOB	CL	0.020" slot well screen	Monterey No. 3 sand
25					Bottom plug
30					
35					
40					





**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-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

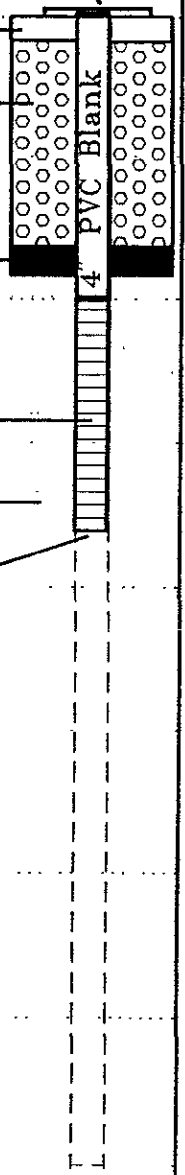
Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-12-94 8:30	B-MW10	Asphalt Basecourse	Clean - No odor Sandy with clay stringers Uncohesive	
5		1	BC 9/12/15		
10		2	BC 49/46/50	Contamination in boring from 6' - 9' BGS: 350 PPM on PID Strong gasoline odor	
15	9:45	EOB		Increasing clay/cohesion Clean below 9' Hole dry Well graded sand	
20					
25					
30					
35					
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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	1-12-94 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	Bentonite grout
		2	BC 15/26/56	Some grey clay stringers	Bentonite Seal
10		3	BC 16/29/33	Continued clean PID = 0 PPM	
		4	BC 26/29/40	Saturated	
15			CL	0.020" slot well screen	
				Monterey No. 3 sand	
20	noon	EOB			Bottom plug
25					
30					
35					
40					

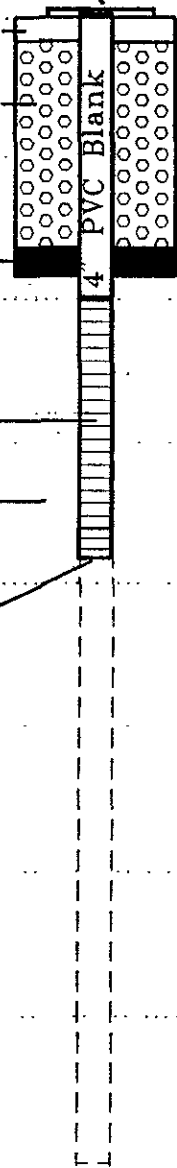


# WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

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:	
Sample type: BRASS TUBE - SPLIT SPOON	12" HSA, 4" dia. schedule 40 PVC	
Soil Matrix: YES	Elevation & Datum: TOC 99.45	
Date Started: 1-11-94	Finished: 1-11-94	Completion Depth: 20' BGS
Number of Samples: 2	Depth to Groundwater: 12-13' BGS	

Depth (feet)	Date Time	Sample Number	Lithology	Observations	Well Construction
0	1-11 2:30	MW-11	Asphalt Basecourse		Traffic cover & locking cap
5		1	CL	Sandy loam, well graded uncohesive, dry clean- no odor	Concrete
10		2	BC 7/15/30	No odor or staining in sample	Bentonite grout
15			CL	light brown sand with slight clay stringers	Bentonite Seal
20	4:30	EOB	BC 17/24/26	No odor or stain in sample	0.020" slot well screen
25				Saturated Clean	Monterey No. 3 sand
30					Bottom plug
35					
40					



# 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: Jan. 1995

Boring Designation: MW-12 Driller: Exploration Geoservices

Logged by: BWW Base: San Jose

Boring Location: Inside machine shop Drill Equipment: Mobile B-51

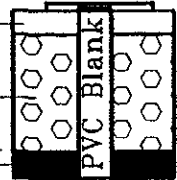
Soils Classification System: USCS Diameter & Type Well Casing:  
 Sample type: BRASS TUBE - SPLIT SPOON 12" HSA, 4" dia. schedule 40 PVC

Soil Matrix: YES Elevation & Datum: TOC 102.59

Date Started: 12/22/94 Finished: 12/22/94 Completion Depth: 18 feet BGS

Number of Samples: 2 retrieved Depth to Groundwater: 11-12 feet BGS

Depth (feet)	Date	Time	Sample Number	Lithology	Observations	Well Construction
0	12/22	11:30	MW12		Machine Shop Floor	Traffic cover & locking cap
				Concrete Pavement Base	Concrete	
5			5		Native soil	Bentonite grout
			7		Silty sand - No odor	Bentonite Seal
			8	CL	Dry, uncohesive clay stringers fine grained, light brown	
10	2:00		11		Increasing moisture	
			12			Water dripping from bit
15				CL	0.020" slot well screen	
					Monterey No. 3 sand	
20			EOB		Bottom plug	
25						
30						
35						
40						



**GROUNDWATER PURGE DATA FORMS**

**FEBRUARY 1994**

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: Immediately N.E. of Tank Cluster

Monitoring Well ID: MW-1 Sampler: BWW

Date: Feb. 3, 1994 Time: 1:30 AM  PM

=====  
 Floating Product: Y  N  Petroleum Sheen: Y  N

ODOR / APPEARANCE: Clear - No Odor

20' 582' x  $\frac{2''}{17}$   $\frac{4''}{.66}$  = 2.4  
 WELL DEPTH - DTGW x ( ) .66 = WELL VOLUME (GALS)

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
1:45	0	0	65.7	10.84	6.53
1:48	3	3	65.4	11.63	6.53
1:52	3	6	66.4	13.05	6.47
1:56	3	9	66.5	13.19	6.47
2:00	2	11	67.4	13.15	6.51

REMARKS: oily odor @ 8 gallons

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: North of Tank Cluster

Monitoring Well ID: MW-2 Sampler: BWW

Date: Feb. 3, 1994 Time: 11:00  AM  PM

=====

Floating Product: Y  N  Petroleum Sheen: Y  N

ODOR / APPEARANCE: No odor - Clear

20' <sup>67</sup>  
WELL DEPTH - 5.72 DTGW x 2" 4" = 2.4  
 .66 = WELL VOLUME (GALS)

=====

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 1000	PH
11:15	0	0	67.8	1.04	8.22
11:17	3	3	65.4	0.97	7.89
11:21	3	6	65.8	0.93	7.42
11:27	4	10	65.9	0.96	7.24

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: South of Tank Cluster

Monitoring Well ID: MW-3 Sampler: BWW

Date: Feb. 3, 1994 Time: 5:10 AM  PM

=====

Floating Product: Y N Petroleum Sheen:  N

ODOR / APPEARANCE: Verg grey - strong odor

20'  
WELL DEPTH - 6.31' DTGW x  $\frac{2''}{17}$   $\frac{4''}{.66}$  = WELL VOLUME (GALS)

=====

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
5:17	0	0	61.0	16.33	6.98
5:21	5	5	62.3	15.32	7.10
5:26	5	10	63.5	14.97	7.05

REMARKS: \_\_\_\_\_



# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: West of Tank Cluster

Monitoring Well ID: MW-4 Sampler: BWW

Date: Feb. 3, 1994 Time: 12:45 AM  PM

=====

Floating Product: Y  (N) Petroleum Sheen: Y  (N)

ODOR / APPEARANCE: Possible gas odor

20'  
WELL DEPTH - 6.00' DTGW x 2" 4" .17  (.66) = WELL VOLUME (GALS)

=====

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT μmhos x 100	PH
12:51	0	0	66.6	9.75	7.55
12:55	4	4	65.1	9.98	6.94
12:59	3	7	65.5	10.52	6.73
1:08	3	10	65.2	10.68	6.59

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: South of oil storage shed

Monitoring Well ID: MW-5 Sampler: BWW

Date: Feb 3, 1994 Time: 4:40 AM  PM

=====  
 Floating Product: Y  N Petroleum Sheen: Y N

ODOR / APPEARANCE: Clear - No Odor

20' 7.11' 2" 4"  
 WELL DEPTH - DTGW x  .66 = WELL VOLUME (GALS) 2.2

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
4:42	0	0	60.9	8.64	7.42
4:45	2.5	2.5	60.3	8.71	7.19
4:48	2.5	5	61.3	9.15	7.04
4:51	4	9	62.2	8.33	6.87

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: SW of Oil Storage Building

Monitoring Well ID: MW-6 Sampler: BWW

Date: Feb 3, 1994 Time: 4:00 AM  PM

=====  
 Floating Product: Y  N  Petroleum Sheen: Y  N

ODOR / APPEARANCE: Silty - No Odor

20'  
 WELL DEPTH - 7.93' DTGW x 2" 4" = 2.0  
 .17 .66 = WELL VOLUME (GALS)

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
4:00	0	0	64.3	7.31	8.17
4:03	3	3	63.4	6.81	7.49
4:07	3	6	64.3	7.56	6.96
4:16	3	9	63.6	6.52	7.25

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: Next to former diesel tank location

Monitoring Well ID: MW-7 Sampler: BWW

Date: Feb. 3, 1994 Time: 9:45  AM  PM

=====

Floating Product: Y  N      Petroleum Sheen:  Y  N

ODOR / APPEARANCE: Dark - diesel odor

20'  
WELL DEPTH - 3.06' DTGW x 2" 4" = 2.9  
.17 .66 = WELL VOLUME (GALS)

=====

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 1000	PH
9:55	0	0	59.7	3.17	6.73
10:00	3	3	59.2	3.08	6.59
10:04	3	6	59.1	3.12	6.57
10:08	3	9	60.9	3.54	6.60

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: Next to hot Wax Tank & Building

Monitoring Well ID: MW-9 Sampler: BWW

Date: Feb. 3, 1994 Time: 2:10 AM  PM

=====  
 Floating Product: Y  N      Petroleum Sheen:  Y N

ODOR / APPEARANCE: Strong gasoline odor

17'  
 WELL DEPTH - 6.39' DTGW x 2" 4"  .66 = 7.0 WELL VOLUME (GALS)

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 1000	PH
2:15	0	0	68.1	2.55	6.38
2:24	8	8	68.2	2.47	6.49
2:34	8	16	68.6	2.58	6.68
3:26	7	23	67.9	2.50	6.51

REMARKS: well de-watered @ 18 gallons

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: In Private Drive East of Plant

Monitoring Well ID: MW-10 Sampler: BWW

Date: Feb. 3, 1994 Time: 8:45  AM  PM

=====

Floating Product: Y  N  Petroleum Sheen: Y  N

ODOR / APPEARANCE: Silty : Clear after 8 gals

18' 6.19' 2" 4" 7.8  
 WELL DEPTH - DTGW x .17  .66 = WELL VOLUME (GALS)

=====

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
8:49	0	0	59.9	6.90	7.71
8:56	8	8	62.4	7.96	7.37
9:06	8	16	61.7	6.93	7.31
9:15	8	24	62.3	6.57	7.24

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: North of Tank Cluster

Monitoring Well ID: MW-11 Sampler: BWW

Date: Feb. 3, 1994 Time: 11:45  AM  PM

=====

Floating Product: Y  N  Petroleum Sheen: Y  N

ODOR / APPEARANCE: Clear - No Odor

19'  
 WELL DEPTH - 5.40' DTGW x 2" 4"  66 = WELL VOLUME (GALS) 9.0

=====

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
11:46	0	0	65.2	9.20	6.99
11:53	8	8	65.0	8.53	6.93
12:02	9	17	65.2	8.64	6.89
12:18	10	27	66.5	8.91	7.33

REMARKS: \_\_\_\_\_

**GROUNDWATER PURGE DATA FORMS**

**JUNE 1994**



# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: North of Hot Wax Tank

Monitoring Well ID: MW-1 Sampler: BWW

Date: June 8, 1994 Time: 11:10  AM  PM

=====

Floating Product: Y  N  Petroleum Sheen: Y  N

ODOR / APPEARANCE: Possible slight odor

$$\frac{20}{\text{WELL DEPTH}} - \frac{5.61'}{\text{DTGW}} \times \left( \frac{2''}{.17} \right) \frac{4''}{.66} = \frac{2.5}{\text{WELL VOLUME (GALS)}}$$

=====

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
11:10	0	0	71.2	12.03	6.99
11:15	4	4	72.1	13.17	6.85
11:20	4	8	70.8	13.76	7.00
11:25	3	11	70.8	14.10	6.98

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: Northwest of Former Tank Cluster

Monitoring Well ID: MW-2 Sampler: BWW

Date: June 12, 1994 Time: 10:00  AM  PM

Floating Product: Y  N  Petroleum Sheen: Y  N

ODOR / APPEARANCE: clear - no odor

$$\frac{20}{\text{WELL DEPTH}} - \frac{5.42}{\text{DTGW}} \times \left( \frac{2''}{.17} \right) \left( \frac{4''}{.66} \right) = \frac{2.5}{\text{WELL VOLUME (GALS)}}$$

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 10 <sup>6</sup>	PH
10:15	0	0	72.4	6.27	7.84
10:20	2	2	70.3	6.30	9.18
10:25	2	4	69.2	6.44	8.91
	2	6	71.7	6.66	7.56

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: South of former Tank Cluster

Monitoring Well ID: MW-3 Sampler: BWW

Date: June 8, 1994 Time: 12:10 AM  PM

Floating Product: Y  N      Petroleum Sheen: Y  N

ODOR / APPEARANCE: Strong gasoline odor

20      6.21'      2"      4"      2.3  
WELL DEPTH - DTGW x  .17      .66 = WELL VOLUME (GALS)

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 1000	PH
12:14	0	0	66.8	2.04	6.87
12:17	4	4	67.0	2.05	6.53
12:21	4	8	67.3	2.03	6.43
12:25	2	10	67.1	2.00	6.32

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: West of former Tank Cluster

Monitoring Well ID: MW-4 Sampler: BWW

Date: June 8, 1994 Time: 10:50  AM  PM

=====  
 Floating Product: Y  N  Petroleum Sheen: Y  N

ODOR / APPEARANCE: Slight gas odor - Clear

20 5.77' 2" 4" 2.4  
 WELL DEPTH - DTGW x  .17  .66 = WELL VOLUME (GALS)

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
10:50	0	0	69.8	10.22	6.93
10:54	4	4	70.0	10.11	6.71
11:00	4	8	69.6	10.07	6.59
11:05	4	12	69.7	10.36	6.60

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: West of oil storage Building

Monitoring Well ID: MW-5 Sampler: BWW

Date: June 8, 1994 Time: 10:25 AM PM

=====

Floating Product: Y N      Petroleum Sheen: Y N

ODOR / APPEARANCE: Clear - No Odor

$$\frac{20}{\text{WELL DEPTH}} - \frac{6.60}{\text{DTGW}} \times \frac{2''}{(17)} \frac{4''}{.66} = \frac{2.3}{\text{WELL VOLUME (GALS)}}$$

=====

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
10:28	0	0	64.3	9.34	7.26
10:31	4	4	64.9	9.71	6.84
10:36	4	8	63.9	8.99	6.98
10:44	4	12	64.0	8.80	6.86

REMARKS: well de-watered @ 11 gallons

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: Next to 1994 diesel tank

Monitoring Well ID: MW-6 Sampler: BWW

Date: June 8, 1994 Time: 10:00  AM  PM

=====  
 Floating Product: Y  N  Petroleum Sheen: Y  N

ODOR / APPEARANCE: Cloudy - No odor

20 7.47  
 WELL DEPTH - DTGW x  2"  4" = 2.1  
 WELL VOLUME (GALS)

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
10:00	0	0	66.7	8.17	7.18
10:04	4	4	68.2	7.75	6.98
10:10	4	8	69.4	9.05	6.76
10:15	4	16	68.4	8.21	6.95

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: Next to 1991 Diesel Tank

Monitoring Well ID: MW-7 Sampler: BWW

Date: June 8, 1994 Time: 1:15 AM (PM)

=====  
 Floating Product: Y N Petroleum Sheen: Y N

ODOR / APPEARANCE: H<sub>2</sub>S odor - cloudy

20  
 WELL DEPTH - 2.81 DTGW x (.17) <sup>2"</sup> <sup>4"</sup> .66 = 2.9 WELL VOLUME (GALS)

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 1000	PH
1:17	0	0	66.5	2.76	6.08
1:22	4	4	64.6	2.57	5.89
1:27	4	8	64.3	2.44	6.39
1:33	4	12	64.5	2.69	6.21

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: Against Main Plant Building

Monitoring Well ID: MW-9 Sampler: BWW

Date: June 8, 1994 Time: 11:35 (AM) PM

=====  
 Floating Product: Y N Petroleum Sheen: Y N

ODOR / APPEARANCE: Strong gas odor - Clear

17 6.34 2" 4" 7.0  
 WELL DEPTH - DTGW x .17 (.66) = WELL VOLUME (GALS)

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 1000	PH
11:37	0	0	70.7	2.59	6.77
11:41	4	4	70.8	2.53	6.83
11:45	4	8	72.2	2.58	6.78
11:48	3	11	71.3	2.60	6.76

REMARKS: slight sheen on purge water



# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: In Private Drive

Monitoring Well ID: MW-10 Sampler: BWW

Date: June 8, 1994 Time: 8:15 AM PM

=====

Floating Product: Y N Petroleum Sheen: Y N

ODOR / APPEARANCE: H<sub>2</sub>S odor - Turbid

18'  
WELL DEPTH - 6.07 DTGW x  $\frac{2''}{4''}$  .66 = 8 WELL VOLUME (GALS)

=====

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
8:25	0	0	65.7	6.88	7.60
8:32	4	4	65.6	5.44	7.45
8:52	4	8	65.0	5.51	7.38
8:56	4	12	65.6	5.73	7.30
9:00	4	16	65.8	6.07	7.24
9:04	4	20	65.6	5.76	7.20
9:08	4	24	65.7	5.52	7.14

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WEYERHAEUSER ALAMEDA

Location: Northeast of former Tank Cluster

Monitoring Well ID: MW-11 Sampler: BWW

Date: June 8, 1994 Time: 9:20 AM PM

=====  
 Floating Product: Y N      Petroleum Sheen: Y N

ODOR / APPEARANCE: Clear - No odor

18      5.37      2"      4"  
 WELL DEPTH - DTGW x .17 .66 = WELL VOLUME (GALS) 8.5

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
9:25	0	0	64.2	8.68	7.35
9:28	4	4	66.1	8.86	7.16
9:31	4	8	66.5	8.92	7.09
9:35	4	12	66.7	9.00	7.03
9:38	4	16	66.3	8.97	7.03
9:42	4	20	66.1	8.93	7.02
9:46	4	24	66.2	8.91	7.01

REMARKS: \_\_\_\_\_

**GROUNDWATER PURGE DATA FORMS**

**DECEMBER 1994**

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WPC - Alameda

Location: NORTH OF HOT WAY TANK (FORMER GASOLINE TANK)

Monitoring Well ID: MW-1 Sampler: BWW-SD

Date: Dec. 7, 1994 Time: 11:50  AM  PM

Floating Product: Y  N  Petroleum Sheen: Y  N

ODOR / APPEARANCE: SLIGHT TURBIDITY, NO ODOR

$$\frac{20}{\text{WELL DEPTH}} - \frac{5.35'}{\text{DTGW}} \times \left(\frac{2''}{.17}\right) \frac{4''}{.66} = \frac{2.5}{\text{WELL VOLUME (GALS)}}$$

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT μmhos x 100	PH
11:50	0	0	64.2	9.53	7.28
11:54	5	5	66.1	12.25	6.97
11:58	5	10	66.0	11.56	6.98
12:00	3	13	66.0	11.76	7.15

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WPC Alameda

Location: SOUTH of WASTE OIL TANK

Monitoring Well ID: MW-2 Sampler: BWW - SA

Date: Dec. 7, 1994 Time: 11:04  AM  PM

Floating Product: Y  Petroleum Sheen: Y

ODOR / APPEARANCE: TURBID, SLIGHT ODOR

$$\frac{20'}{WELL\ DEPTH} - \frac{4.70}{DTGW} \times \left(\frac{2''}{17}\right) \frac{4''}{.66} = \frac{2.6}{WELL\ VOLUME\ (GALS)}$$

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT μmhos x 100	PH
11:04	0	0	62.7	6.35	7.16
11:06	3	3	64.1	6.13	7.05
11:08	3	6	66.1	9.98	6.94
11:10	2	8	66.7	9.75	6.98

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WPC Alameda

Location: EAST of STAIRS AT ENTRANCE

Monitoring Well ID: MW-3 Sampler: BWW-SA

Date: Dec. 7, 1994 Time: 11:24  AM  PM

Floating Product: Y  N      Petroleum Sheen:  Y  N

ODOR / APPEARANCE: TURBID STRONG PETROLEUM ODOR

$$\frac{20}{\text{WELL DEPTH}} - \frac{5.30'}{\text{DTGW}} \times \frac{2''}{.17} \frac{4''}{.66} = \frac{2.5}{\text{WELL VOLUME (GALS)}}$$

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
11:24	0	0	59.3	14.25	6.72
11:26	3	3	60.8	18.83	6.75
11:28	<del>2</del> 2	5	60.4	17.92	6.75
11:31	3	8	63.1	19.01	6.76

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WPC Alameda

Location: NORTHEAST OF PARKING LOT AT ENTRANCE

Monitoring Well ID: MW-4 Sampler: BWW-SD

Date: Dec. 7, 1994 Time: 11:13 AM PM

Floating Product: Y  N      Petroleum Sheen: Y  N

ODOR / APPEARANCE: SLIGHTLY TURBID, PETROLEUM ODOR

20      4.80'      2"      4"      2.6  
WELL DEPTH - DTGW x  .17      .66 = WELL VOLUME (GALS)

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
11:13	0	0	63.7	10.03	6.83
11:15	3	3	65.3	9.38	6.79
11:18	3	6	63.8	10.26	6.88
11:24	3	9	66.3	11.25	6.85

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WPC Alameda

Location: South of Oil Storage Shed

Monitoring Well ID: MW-5 Sampler: BWW - SD

Date: Dec. 7, 1994 Time: 11:14 AM PM

Floating Product: Y  N      Petroleum Sheen:  N

ODOR / APPEARANCE: TURBID GASOLINE ODOR

$$\frac{20}{\text{WELL DEPTH}} - \frac{5.60}{\text{DTGW}} \times \left(\frac{2''}{.17}\right)^2 \cdot \frac{4''}{.66} = \frac{2.5}{\text{WELL VOLUME (GALS)}}$$

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
11:14	0	0	59.6	4.39	7.12
11:15	2	2	59.7	6.21	7.11
11:17	3	5	60.0	8.21	7.00
11:19	3	8	61.0	8.30	7.02

REMARKS: \_\_\_\_\_



# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WPC Alameda

Location: NORTH WEST CORNER of PARKING LOT NEAR PLATE

Monitoring Well ID: MW-6 Sampler: BWW-SA

Date: DEC. 7, 1994 Time: 11:00  AM  PM

=====  
 Floating Product: Y  N  Petroleum Sheen: Y  N

ODOR / APPEARANCE: HIGHLY TURBID NO ODOR

$$\frac{20.10'}{20.10'} - \frac{6.50'}{6.50'} \times \left( \frac{2''}{17} \right) \frac{4''}{.66} = \frac{2.3}{2.3} \text{ WELLS VOLUME (GALS)}$$

=====

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
11:03	0	0	56.3	3.08	7.58
11:05	2	2	61.3	5.58	7.01
11:08	3	5	63.5	6.70	7.07
11:11	3	8	65.4	7.03	7.07

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WPC Alameda

Location: ALONG EASTERN PROPERTY LINE

Monitoring Well ID: MW-7 Sampler: BWW-SD

Date: DECEMBER 7, 1994 Time: 4:00 AM  PM

Floating Product: Y  N  Petroleum Sheen: Y  N

ODOR / APPEARANCE: TURBID, SLIGHT ODOR

20 WELL DEPTH - 3.09' DTGW x 2" 4" (.17) .66 = WELL VOLUME (GALS) 2.8

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP: °F	CONDUCT umhos x 100	PH
4:00	0	0	56.6	18.79	6.91
4:03	2	2	56.7	17.17	6.82
4:06	2	4	59.4	17.40	6.79
4:08	2	6	60.0	22.20	6.78

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WPC Alameda

Location: WEST of HOT WAX TANK

Monitoring Well ID: MW-9 Sampler: BWW-SD

Date: DEC. 7, 1994 Time: 11:30  AM  PM

Floating Product: Y  N  Petroleum Sheen:  Y  N

ODOR / APPEARANCE: TURBID - STRONG PETROLEUM ODOR

17  
WELL DEPTH - 5.99' DTGW x 2" (4") .66 = 7.3  
WELL VOLUME (GALS)

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
11:33	0	0	62.3	19.75	6.87
11:38	5	5	66.2	19.22	7.01
11:43	5	10	65.2	18.80	7.01
11:47	5	15	65.0	19.88	6.98

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WPC Alameda

Location: IN PRIVATE DRIVE NORTH OF PARKING LOT

Monitoring Well ID: MW-10 Sampler: BWW-SD

Date: Dec 7, 1994 Time: 12:24 AM  PM

=====

Floating Product: Y  N      Petroleum Sheen: Y  N

ODOR / APPEARANCE: SLIGHTLY TURBID, NO ODOR

$$\frac{18}{\text{WELL DEPTH}} - \frac{4.59}{\text{DTGW}} \times .17 \left( \frac{4''}{.66} \right) = \frac{8.8}{\text{WELL VOLUME (GALS)}}$$

=====

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 100	PH
12:24	0	0	64.7	4.84	7.32
12:30	5	5	63.9	5.41	7.36
12:36	5	10	64.8	5.50	7.35
12:42	5	15	63.4	5.27	7.46

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WPC Alameda

Location: EAST of WASTE OIL TANK

Monitoring Well ID: MW-11 Sampler: BWW -SD

Date: Dec. 7, 1994 Time: 12:45 AM PM

=====  
 Floating Product: Y  Petroleum Sheen: Y

ODOR / APPEARANCE: TURBID NO ODOR

19 / 4.91 x 2" 4" = 9.3  
 WELL DEPTH - DTGW x .17 (.66) = WELL VOLUME (GALS)

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 10 <sup>0</sup>	PH
12:45	0	0	62.4	8.09	7.40
12:50	5	5	65.7	8.49	7.06
12:55	5	10	65.9	8.37	6.93
1:00	5	15	65.4	8.53	6.83

REMARKS: \_\_\_\_\_

# WEST & ASSOCIATES ENGINEERS

## GROUNDWATER SAMPLING - PURGE DATA FORM

Project: WPC - Alameda

Location: Inside Machine Shop

Monitoring Well ID: MW-12 Sampler: BWW

Date: 12-7-94 Time: 4:27 AM PM

=====  
 Floating Product: Y N Petroleum Sheen: Y N

ODOR / APPEARANCE: Clear - No Odor

~~16.2~~ 8.32 2" 4"  
 WELL DEPTH - DTGW x .17 (.66) = WELL VOLUME (GALS)  
5.2  
 =====

### PURGE MEASUREMENTS

TIME	PURGE VOLUME GALLONS	CUMULATIVE GALLONS	TEMP. °F	CONDUCT umhos x 10	PH
4:27	0	0			
4:42	15	15			
4:56	8	23	de-watered		
5:15	8	31	de-watered		

REMARKS: recharge rate 16.2 - 15.2 = 2 min 8 sec  
15.2 - 14.2 = 3 min 20 sec  
9 min 50 sec



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

# Chain of Custody

• PLEASE PRINT IN PEN

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

Sample Description	Date/Time Coll'd	# of Matrix Containers	Pres.	Filt. y/n	* Subject to Availability Analysis	Remarks	Lab ID #
B-1 5'	1-13 AM	SL	Brass		EPA 5520 oil & grease		
B-1 10'							
B-2 5'							
B-2 10'							
B-3 5'							
B-3 1 1/2'							
B-4 5 1/2'					EPA 8270 open scan	metals Cr, Cd, Pb, Zn, Ni	
North End Wall					11	11	

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

- \* 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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141 Suburban Road  
2400 Cumberland Dr.  
340 County Road No. 5

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FAX (408) 955-9078  
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FAX (207) 775-4029

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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	# 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>				

FOR LAB USE ONLY

Shipping Method	Shipping #	Received By	Date/Time	Condition (See Remarks)		
				Cold	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  
 AG - Air/Gas  
 SL - Sludge/Sol/Solid  
 OT - Other





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(08) 955-9077  
(805) 547-3388  
(219) 464-2389  
(207) 874-2400

FAX (807) 339-1438  
FAX (317) 872-6189  
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 # 1  
 Address 112 Pepperell Ct City Vacaville State CA Zip 95688  
 Project Name/Number Weyerhaeuser - Alameda Project I/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.	Fit. y/m	* Subject to Availability Analysis	Remarks	Lab ID #
MW-11 6'	1-13 AM	SL	Brass			EPA 5520 oil & grease	<i>[Signature]</i>	11
MW-11 11'						"	<i>[Signature]</i>	11

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)		
				Color	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
  - AVG - Air/Gas
  - SL - Sludge/Soil/Solid
  - OT - Other



4765 Calle Quetzal  
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PLEASE PRINT IN PEN

Client West & Associates Engineers Contact Brian West Phone # (707) 451-1360 FAX # ( )  
 Address 112 Pepperoll 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-11 6'	1-13 AM	SL	Brass			EPA 8260 Fuel Fingerprint		AK0144
MW-11 11'	1-13 AM	"	"			"		

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

Shipping Method	Shipping #	Received By	Date/Time	Condition (See Remarks)
		<u>ADAM ALABRAN</u>	<u>01/14/93</u>	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

REMARKS



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(207) 874-2400 FAX (207) 775-4029

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

Sample Description	Date/Time Coll'd	# of Matrix Containers	Pres.	Filt. y/n	* Subject to Availability Analysis	Remarks	Lab ID #
MW-8 7'	1-13 AM	SL	Brass				1K0144-9
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

Samples 9-12 sent to Carr. 02/10/94, -8 to follow NP

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

Shipping Method	Shipping #	Received By	Date/Time	Condition (See Remarks)
		<u>Abraham</u>	<u>01/14/94 1100</u>	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
  - AG - Air/Gas
  - SL - Sludge/Soil/Solid
  - OT - Other



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• (219) 464-2389  
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FAX (805) 543-2685  
FAX (219) 462-2953  
FAX (207) 775-4029

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Client <u>West &amp; 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>BIW West</u>	Due Date <u>Standard</u>	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 #
B-1 5'	1-13 AM	SL	Brass			EPA 8260 Fuel Fingerprint		JK0144-1
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'	/	/	/	/	/	/		-7
North End Wall	/	/	/	/	/	/		-8

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

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

REMARKS: Analyses added, see JK0210

- \* 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



# COAST-TO-COAST ANALYTICAL SERVICES, INC.

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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-0144-1  
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				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  
MSD1/2AE74A  
DT/et/on  
MSD1-011994

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Dudley Torres  
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-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

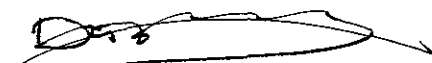
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(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  
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-0144-4  
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

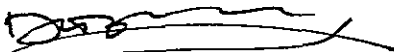
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(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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Dudley Torres  
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-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/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-0144-6  
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

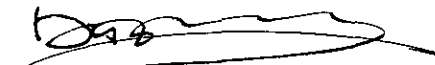
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(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

Respectfully submitted,  
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Budley 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-0144-7  
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				1,2,3
Benzene		0.2	ND	
Toluene		0.3	ND	
Ethylbenzene		0.3	ND	
Xylenes		0.3	1.2	
1,2-Dichloroethane		0.3	ND	
Ethylene dibromide		0.3	ND	
Total Petroleum Hydrocarbons (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

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-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				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			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

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-0144-9  
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

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

Dudley Torres  
Organics Manager



# COAST-TO-COAST ANALYTICAL SERVICES, INC.

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IN ANALYSIS

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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-0144-10  
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

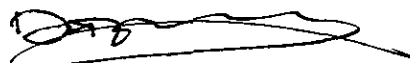
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(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,  
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Organics Manager

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CLIENT: Brian W. West  
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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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(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				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			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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CLIENT: Brian W. West  
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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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CLIENT: Brian W. West  
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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
<b>FUEL FINGERPRINT ANALYSIS</b>				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

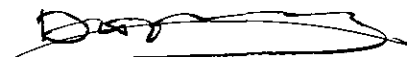
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(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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CLIENT: Brian W. West  
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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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CLIENT: Brian W. West  
West & Associates Env. Engineers  
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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				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 dibranide		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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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

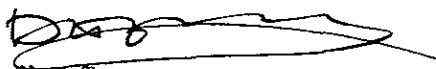
\*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

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

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

01/25/94  
MSD1/2A83A  
DT/et/on  
MSD1-011994

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(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				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  
MSD1/2AE64A  
DT/et/on  
JK0144-6

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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					1,2
Benzene	ND	0.10	0.077	77.	
Toluene	ND	0.10	0.083	83.	
Ethylbenzene	ND	0.10	0.13	130.	
Xylenes	ND	0.10	0.12	120.	
1,2-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

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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 DUPLICATE	Solid					
CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT mg/Kg	%REC	%DIFF	NOTE
FUEL FINGERPRINT ANALYSIS						
Benzene	ND	0.10	0.091	91.	17.	1,2
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

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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-0210-7  
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					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  
MSD2/2N65B/84B  
DT/et/dez  
BNA-012694S

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## 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		
Isopnorne	(78591)	0.5	ND		
Methylnaphthalenes	(91576)	0.5	10.		

San Jose Lab Certifications: CAELAP #1204

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## REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
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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Lab Number : JK-0210-7  
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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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Lab Number : JK-0210-7  
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		
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.		
2,4,5-Tribromophenol (Surrogate % Recovery)			87.		
Nitrobenzene-d5 (Surrogate % Recovery)			98.		
2-Fluorobiphenyl (Surrogate % Recovery)			72.		
4-Terphenyl-d14 (Surrogate % Recovery)			74.		

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

Dudley Torres  
Organics Manager

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CLIENT: Brian W. West  
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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 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		
Benizidine	(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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## 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	
D1-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	
D1-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

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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Lab Number : JK-0210-8  
Project : Weyerhaeuser-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		

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## REPORT OF ANALYTICAL RESULTS

Page 5 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	
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  
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DT/et/dez  
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Respectfully submitted,  
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Dudley Torres  
Organics Manager

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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

01/31/94  
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BNA-012694S

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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 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		

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-8 7' (JK0144 -9)	Soil	Brian West	01/13/94	01/14/94
CONSITTUENT	(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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## REPORT OF ANALYTICAL RESULTS

Page 4 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	
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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Lab Number : JK-0210-9  
Project : Weyerhaeuser-Alameda  
Analyzed : 01/27/94  
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## REPORT OF ANALYTICAL RESULTS

Page 5 of 5

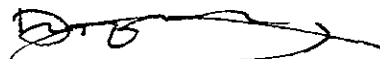
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
MW-8 7' (JK0144 -9)	Soil	Brian West		01/13/94	01/14/94
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
AROCLOR 1242	(53469219)	10.	ND		
AROCLOR 1248	(12672296)	10.	ND		
AROCLOR 1254	(11097691)	10.	ND		
AROCLOR 1260	(11096825)	10.	ND		
Phenol-d5 (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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Respectfully submitted,  
COAST-TO-COAST ANALYTICAL SERVICES, INC.

  
Dudley Torres  
Organics Manager

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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				
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

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

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Analyzed : 01/27/94  
Analyzed by: DZ  
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## REPORT OF ANALYTICAL RESULTS

Page 2 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
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	
Hexachlorocyclopentadiene	(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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Lab Number : JK-0210-10  
Project : Weyerhaeuser-Alameda  
Analyzed : 01/27/94  
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## REPORT OF ANALYTICAL RESULTS

Page 3 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
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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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  
Analyzed : 01/27/94  
Analyzed by: DZ  
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 4 of 5

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

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
Aldrin	(309002)	0.5	ND	
alpha BHC	(319846)	0.5	ND	
beta BHC	(319857)	0.5	ND	
delta-BHC	(319868)	0.5	ND	
gamma BHC (Lindane)	(58899)	0.5	ND	
p,p'-DDD	(72548)	0.5	ND	
p,p'-DDE	(72559)	0.5	ND	
p,p'-DDT	(50293)	0.5	ND	
Dieldrin	(60571)	0.5	ND	
Endosulfan I	(959988)	0.5	ND	
Endosulfan II	(33213659)	0.5	ND	
Endosulfan sulfate	(1031078)	0.5	ND	
Endrin	(72208)	0.5	ND	
Endrin aldehyde	(7421934)	0.5	ND	
Heptachlor	(76448)	1.	ND	
Heptachlor epoxide	(1024573)	1.	ND	
Methoxychlor	(72435)	1.	ND	
AROCLOR 1016	(12674112)	10.	ND	
AROCLOR 1221	(11104282)	10.	ND	
AROCLOR 1232	(11141165)	10.	ND	

San Jose Lab Certifications: CAELAP #1204

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

## REPORT OF ANALYTICAL RESULTS

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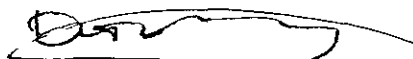
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-9 5' (JK0144 -10)	Soil	Brian West	01/13/94	01/14/94
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
AROCLOR 1242	(53469219)	10.	ND	
AROCLOR 1248	(12672296)	10.	ND	
AROCLOR 1254	(11097691)	10.	ND	
AROCLOR 1260	(11096825)	10.	ND	
Phenol-d5 (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.	

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

Lab Number : JK-0210-11  
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 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

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

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

Lab Number : JK-0210-11  
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-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)

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

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Lab Number : JK-0210-11  
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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

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

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Project : Weyerhauser-Alameda  
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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  
Project : Weyerhaeuser-Alameda  
Analyzed : 01/27/94  
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Method : EPA 8270

## 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

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01/31/94  
MSD2/2N69B  
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Respectfully submitted,  
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres  
Organics Manager

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CLIENT: Brian W. West  
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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

\*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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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 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		

San Jose Lab Certifications: CAELAP #1204

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## REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-10 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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Page 4 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	
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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Analyzed by: DZ  
Method : EPA 8270

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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	
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.		

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01/31/94  
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DT/et/dez  
BNA-012694S

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COAST-TO-COAST ANALYTICAL SERVICES, INC

Dudley Torres  
Organics Manager

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

## REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-10 9' (JK0144 -13)	Soil	Brian West	01/13/94	01/14/94
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
SEMIVOLATILE ORGANIC COMPOUNDS				1
Acenaphthylene	(208968)	0.5	ND	
Acenaphthene	(83329)	0.5	ND	
Anthracene	(120127)	0.5	ND	
Benzidine	(92875)	5.	ND	
Benzo(a)anthracene	(56553)	0.5	ND	
Benzo(b)fluoranthene	(205992)	0.5	ND	
Benzo(k)fluoranthene	(207089)	0.5	ND	
Benzo(a)pyrene	(50328)	0.5	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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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)

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

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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  
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 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)

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

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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 : 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)

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

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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 5 of 5

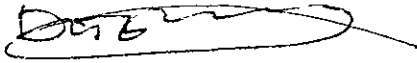
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-10 9' (JK0144 -13)	Soil	Brian West	01/13/94	01/14/94
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
AROCLOR 1242	(53469219)	10.	ND	
AROCLOR 1248	(12672296)	10.	ND	
AROCLOR 1254	(11097691)	10.	ND	
AROCLOR 1260	(11096825)	10.	ND	
Phenol-d5 (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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# COAST-TO-COAST ANALYTICAL SERVICES, INC.

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(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					
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		
Dibenzo(a,h)anthracene	(53703)	0.5	ND		
Di-n-butylphthalate	(84742)	0.5	ND		
1,2-Dichlorobenzene	(95501)	0.5	ND		

San Jose Lab Certifications: CAELAP #1204

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

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

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

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(408) 955-9077

QC Batch ID: BNA-012694S

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

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

METHOD BLANK  
REPORT OF ANALYTICAL RESULTS

Page 2 of 4

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	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

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

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

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

QC Batch ID: BNA-012694S

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

METHOD BLANK  
REPORT OF ANALYTICAL RESULTS

Page 3 of 4

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	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

\*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

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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	Solid					
CONSTITUENT	*PQL mg/Kg	SPIKE AMOUNT	RESULT mg/Kg	%REC	NOTE	
SEMIVOLATILE ORGANIC COMPOUNDS						
Acenaphthene	0.5	3.3	2.9	88.	1	
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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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						1
Acenaphthene	0.5	3.3	3.0	91.	3.4	
1,4-Dichlorobenzene	0.5	3.3	2.2	67.	0.	
2,4-Dinitrotoluene	0.5	3.3	3.6	109.	8.7	
N-Nitrosodi-n-propylamine	0.5	3.3	3.1	94.	21.	
Pyrene	0.5	3.3	3.1	94.	9.2	
Trichlorobenzene	0.5	3.3	2.6	79.	0.	
4-Chloro-3-methylphenol	2.	6.7	5.2	78.	3.9	
2-Chlorophenol	2.	6.7	4.5	67.	0.	
4-Nitrophenol	2.	6.7	6.1	91.	0.	
Pentachlorophenol	2.	6.7	6.3	94.	4.7	
Phenol	2.	6.7	5.3	79.	5.8	

San Jose Lab Certifications: CAELAP #1204

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

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

Respectfully submitted,  
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Dudley Torres  
Organics Manager

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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  
CC940201A

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

*Nick J. Gaone*

Nick Gaone  
Inorganics Manager

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CLIENT: Brian W. West  
West & Associates Env. Engineers  
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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  
OG940201A

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

Nick Gagne  
Inorganics 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-0210-3  
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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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

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

Nick Gaone  
Inorganics 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-0210-5  
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  
03940201A

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

Nick Gaone  
Inorganics Manager

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CLIENT: Brian W. West  
West & Associates Env. Engineers  
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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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Nick Gaone  
Inorganics 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-0210-7  
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

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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  
509401270z

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CLIENT: Brian W. West  
West & Associates Env. Engineers  
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Lab Number : JK-0210-10  
Project : Weyerhauser-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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Lab Number : JK-021G-11  
Project : Weyerhaeuser-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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Nick Gaone  
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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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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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West & Associates Env. Engineers  
P.O. Box 5891, 112 Pepperell Court  
Vacaville, CA 95696

Lab Number : JK-0210-8  
Project : Weyerhaeuser-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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Vacaville, CA 95696

Lab Number : JK-0210-14  
Project : Weyerhaeuser-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  
CG940201B

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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  
CG940201B

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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)

02/02/94

NG/sab/cml  
OG940201B

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Inorganics Manager

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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/cmi  
OG940201B

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QC Batch ID: OG940201A

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

QC MATRIX SPIKE  
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

02/02/94

NG/sab/cml  
JK0210-2

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

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QC Batch ID: 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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CLIENT: Brian W. West  
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Vacaville, CA 95688

Lab Number : JK-0396-1  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

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

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CLIENT: Brian W. West  
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Lab Number : JK-0396-1  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
MW-1	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Naphthalene	(91203)	5.	ND		
Nitrobenzene	(98953)	10.	ND		
N-Nitrosodimethylamine	(62759)	10.	ND		
N-Nitrosodiphenylamine	(86306)	10.	ND		
N-Nitrosodi-n-propylamine	(621647)	10.	ND		
Phenanthrene	(85018)	5.	ND		
Pyrene	(129000)	5.	ND		
Trichlorobenzene	(108703)	5.	ND		
4-Chloro-3-methylphenol	(59507)	10.	ND		
2-Chlorophenol	(95578)	10.	ND		
Cresols (total)		10.	ND		
2,4-Dichlorophenol	(120832)	10.	ND		
2,4-Dimethylphenol	(105679)	10.	ND		
2,4-Dinitrophenol	(51285)	10.	ND		
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND		
2-Nitrophenol	(88755)	10.	ND		
4-Nitrophenol	(100027)	20.	ND		
Pentachlorophenol	(87865)	10.	ND		
Phenol	(108952)	10.	ND		
2,4,6-Trichlorophenol	(88062)	10.	ND		

San Jose Lab Certifications: CAELAP #1204

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

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NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

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

Lab Number : JK-0396-1  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-1	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Aldrin	(309002)	5.	ND	
alpha BHC	(319846)	5.	ND	
beta BHC	(319857)	5.	ND	
delta-BHC	(319868)	5.	ND	
gamma BHC (Lindane)	(58899)	5.	ND	
p,p'-DDD	(72548)	5.	ND	
p,p'-DDE	(72559)	5.	ND	
p,p'-DDT	(50293)	5.	ND	
Dieldrin	(60571)	5.	ND	
Endosulfan I	(959988)	5.	ND	
Endosulfan II	(33213659)	5.	ND	
Endosulfan sulfate	(1031078)	5.	ND	
Endrin	(72208)	5.	ND	
Endrin aldehyde	(7421934)	5.	ND	
Heptachlor	(76448)	10.	ND	
Heptachlor epoxide	(1024573)	10.	ND	
Methoxychlor	(72435)	10.	ND	
AROCLOR 1016	(12674112)	200.	ND	
AROCLOR 1221	(11104282)	200.	ND	
AROCLOR 1232	(11141165)	200.	ND	

San Jose Lab Certifications: CAELAP #1204

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

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

## REPORT OF ANALYTICAL RESULTS

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SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
MW-1	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
AROCLOR 1242	(53469219)	200.	ND		
AROCLOR 1248	(12672296)	200.	ND		
AROCLOR 1254	(11097691)	200.	ND		
AROCLOR 1260	(11096825)	200.	ND		
Phenol-d5 (Surrogate % Recovery)			22.		
2-Fluorophenol (Surrogate % Recovery)			31.		
2,4,6-Tribromophenol (Surrogate % Recovery)			71.		
Nitrobenzene-d5 (Surrogate % Recovery)			53.		
2-Fluorobiphenyl (Surrogate % Recovery)			63.		
4-Terphenyl-d14 (Surrogate % Recovery)			69.		

San Jose Lab Certifications: CAELAP #1204

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

Dudley Torres  
Organics Manager

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Lab Number : JK-0396-2  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 1 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

(1) Sample Preparation on 02/08/94 by AC

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Lab Number : JK-0396-2  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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

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## REPORT OF ANALYTICAL RESULTS

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

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

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Lab Number : JK-0396-2  
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## REPORT OF ANALYTICAL RESULTS

Page 5 of 5

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

San Jose Lab Certifications: CAELAP #1204

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Dudley Torres  
Organics Manager

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CLIENT: Brian W. West  
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Vacaville, CA 95688

Lab Number : JK-0396-3  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
MW-3	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
<b>SEMIVOLATILE ORGANIC COMPOUNDS</b>					
Acenaphthylene	(208968)	5.	ND	1	
Acenaphthene	(83329)	5.	ND		
Anthracene	(120127)	5.	ND		
Benzidine	(92875)	50.	ND		
Benzo(a)anthracene	(56553)	5.	ND		
Benzo(b)fluoranthene	(205992)	10.	ND		
Benzo(k)fluoranthene	(207089)	10.	ND		
Benzo(a)pyrene	(50328)	5.	ND		
Benzo(ghi)perylene	(191242)	5.	ND		
Bis(2-chloroethoxy)methane	(111911)	10.	ND		
Bis(2-chloroethyl)ether	(111444)	10.	ND		
Bis(2-chloroisopropyl)ether	(39638329)	10.	ND		
Bis(2-ethylhexyl)phthalate	(117817)	20.	ND		
4-Bromophenylphenylether	(101553)	5.	ND		
Butylbenzylphthalate	(85687)	10.	ND		
2-Chloronaphthalene	(91587)	5.	ND		
4-Chlorophenylphenylether	(7005723)	10.	ND		
Chrysene	(218019)	5.	ND		

San Jose Lab Certifications: CAELAP #1204

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

(1) Sample Preparation on 02/08/94 by AC

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Lab Number : JK-0396-3  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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

San Jose Lab Certifications: CAELAP #1204

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Page 3 of 5

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

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

## REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-3	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT		(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Aldrin		(309002)	5.	ND	
alpha BHC		(319846)	5.	ND	
beta BHC		(319857)	5.	ND	
delta-BHC		(319868)	5.	ND	
gamma BHC (Lindane)		(58899)	5.	ND	
p,p'-DDD		(72548)	5.	ND	
p,p'-DDE		(72559)	5.	ND	
p,p'-DDT		(50293)	5.	ND	
Dieldrin		(60571)	5.	ND	
Endosulfan I		(959988)	5.	ND	
Endosulfan II		(33213659)	5.	ND	
Endosulfan sulfate		(1031078)	5.	ND	
Endrin		(72208)	5.	ND	
Endrin aldehyde		(7421934)	5.	ND	
Heptachlor		(76448)	10.	ND	
Heptachlor epoxide		(1024573)	10.	ND	
Methoxychlor		(72435)	10.	ND	
AROCLOR 1016		(12674112)	200.	ND	
AROCLOR 1221		(11104282)	200.	ND	
AROCLOR 1232		(11141165)	200.	ND	

San Jose Lab Certifications: CAELAP #1204

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

02/15/94  
MSD2/2P46B  
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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-0396-3  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-3	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
AROCLOR 1242	(53469219)	200.	ND	
AROCLOR 1248	(12672296)	200.	ND	
AROCLOR 1254	(11097691)	200.	ND	
AROCLOR 1260	(11096825)	200.	ND	
Phenol-d5 (Surrogate % Recovery)			22.	
2-Fluorophenol (Surrogate % Recovery)			22.	
2,4,6-Tribromophenol (Surrogate % Recovery)			86.	
Nitrobenzene-d5 (Surrogate % Recovery)			54.	
2-Fluorobiphenyl (Surrogate % Recovery)			58.	
4-Terphenyl-d14 (Surrogate % Recovery)			70.	

San Jose Lab Certifications: CAELAP #1204

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

  
Budley Torres  
Organics Manager

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

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

## REPORT OF ANALYTICAL RESULTS

Page 1 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

(1) Sample Preparation on 02/08/94 by AC

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

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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

San Jose Lab Certifications: CAELAP #1204

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Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 3 of 5

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

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## REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-4	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Aldrin	(309002)	5.	ND		
alpha BHC	(319846)	5.	ND		
beta BHC	(319857)	5.	ND		
delta-BHC	(319868)	5.	ND		
gamma BHC (Lindane)	(58899)	5.	ND		
p,p'-DDD	(72548)	5.	ND		
p,p'-DDE	(72559)	5.	ND		
p,p'-DDT	(50293)	5.	ND		
Dieldrin	(60571)	5.	ND		
Endosulfan I	(959988)	5.	ND		
Endosulfan II	(33213659)	5.	ND		
Endosulfan sulfate	(1031078)	5.	ND		
Endrin	(72208)	5.	ND		
Endrin aldehyde	(7421934)	5.	ND		
Heptachlor	(76448)	10.	ND		
Heptachlor epoxide	(1024573)	10.	ND		
Methoxychlor	(72435)	10.	ND		
AROCLOR 1016	(12674112)	200.	ND		
AROCLOR 1221	(11104282)	200.	ND		
AROCLOR 1232	(11141165)	200.	ND		

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SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
MW-4	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
AROCLOR 1242	(53469219)	200.	ND		
AROCLOR 1248	(12672296)	200.	ND		
AROCLOR 1254	(11097691)	200.	ND		
AROCLOR 1260	(11096825)	200.	ND		
Phenol-d5 (Surrogate % Recovery)			22.		
2-Fluorophenol (Surrogate % Recovery)			29.		
2,4,6-Tribromophenol (Surrogate % Recovery)			74.		
Nitrobenzene-d5 (Surrogate % Recovery)			54.		
2-Fluorobiphenyl (Surrogate % Recovery)			68.		
4-Terphenyl-d14 (Surrogate % Recovery)			67.		

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Dudley Torres  
Organics Manager

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

## REPORT OF ANALYTICAL RESULTS

Page 1 of 5

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

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

San Jose Lab Certifications: CAELAP #1204

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Vacaville, CA 95688

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

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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

San Jose Lab Certifications: CAELAP #1204

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## REPORT OF ANALYTICAL RESULTS

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

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Lab Number : JK-0396-5  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
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## REPORT OF ANALYTICAL RESULTS

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

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Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-5	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
AROCLOR 1242	(53469219)	200.	ND		
AROCLOR 1248	(12672296)	200.	ND		
AROCLOR 1254	(11097691)	200.	ND		
AROCLOR 1260	(11096825)	200.	ND		
Phenol-d5 (Surrogate % Recovery)			15.		
2-Fluorophenol (Surrogate % Recovery)			21.		
2,4,6-Tribromophenol (Surrogate % Recovery)			46.		
Nitrobenzene-d5 (Surrogate % Recovery)			35.		
2-Fluorobiphenyl (Surrogate % Recovery)			42.		
4-Terphenyl-d14 (Surrogate % Recovery)			69.		

San Jose Lab Certifications: CAELAP #1204

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

02/15/94  
MSD2/2P38B  
DT/et/dez  
BNA-020894A

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

  
Dudley Torres  
Organics Manager

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# COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE  
IN ANALYSIS

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

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

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

## REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-6	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
SEMIVOLATILE ORGANIC COMPOUNDS					1
Acenaphthylene	(208968)	5.	ND		
Acenaphthene	(83329)	5.	ND		
Anthracene	(120127)	5.	ND		
Benzidine	(92875)	50.	ND		
Benzo(a)anthracene	(56553)	5.	ND		
Benzo(b)fluoranthene	(205992)	10.	ND		
Benzo(k)fluoranthene	(207089)	10.	ND		
Benzo(a)pyrene	(50328)	5.	ND		
Benzo(ghi)perylene	(191242)	5.	ND		
Bis(2-chloroethoxy)methane	(111911)	10.	ND		
Bis(2-chloroethyl)ether	(111444)	10.	ND		
Bis(2-chloroisopropyl)ether	(39638329)	10.	ND		
Bis(2-ethylhexyl)phthalate	(117817)	20.	ND		
4-Bromophenylphenylether	(101553)	5.	ND		
Butylbenzylphthalate	(85687)	10.	ND		
2-Chloronaphthalene	(91587)	5.	ND		
4-Chlorophenylphenylether	(7005723)	10.	ND		
Chrysene	(218019)	5.	ND		

San Jose Lab Certifications: CAELAP #1204

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

(1) Sample Preparation on 02/08/94 by AC

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

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

## REPORT OF ANALYTICAL RESULTS

Page 3 of 5

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

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

## REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-6	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Aldrin	(309002)	5.	ND		
alpha BHC	(319846)	5.	ND		
beta BHC	(319857)	5.	ND		
delta-BHC	(319868)	5.	ND		
gamma BHC (Lindane)	(58899)	5.	ND		
p,p'-DDD	(72548)	5.	ND		
p,p'-DDE	(72559)	5.	ND		
p,p'-DDT	(50293)	5.	ND		
Dieldrin	(60571)	5.	ND		
Endosulfan I	(959988)	5.	ND		
Endosulfan II	(33213659)	5.	ND		
Endosulfan sulfate	(1031078)	5.	ND		
Endrin	(72208)	5.	ND		
Endrin aldehyde	(7421934)	5.	ND		
Heptachlor	(76448)	10.	ND		
Heptachlor epoxide	(1024573)	10.	ND		
Methoxychlor	(72435)	10.	ND		
AROCLOR 1016	(12674112)	200.	ND		
AROCLOR 1221	(11104282)	200.	ND		
AROCLOR 1232	(11141165)	200.	ND		

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

## REPORT OF ANALYTICAL RESULTS

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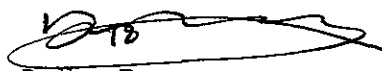
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-6	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
AROCLOR 1242	(53469219)	200.	ND		
AROCLOR 1248	(12672296)	200.	ND		
AROCLOR 1254	(11097691)	200.	ND		
AROCLOR 1260	(11096825)	200.	ND		
Phenol-d5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

San Jose Lab Certifications: CAELAP #1204

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02/15/94  
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Vacaville, CA 95688

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

## REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-7	Groundwater	Brian West	02/03/94	02/04/94

CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
<b>SEMIVOLATILE ORGANIC COMPOUNDS</b>				1
Acenaphthylene	(208968)	5.	ND	
Acenaphthene	(83329)	5.	ND	
Anthracene	(120127)	5.	ND	
Benzidine	(92875)	50.	ND	
Benzo(a)anthracene	(56553)	5.	ND	
Benzo(b)fluoranthene	(205992)	10.	ND	
Benzo(k)fluoranthene	(207089)	10.	ND	
Benzo(a)pyrene	(50328)	5.	ND	
Benzo(ghi)perylene	(191242)	5.	ND	
Bis(2-chloroethoxy)methane	(111911)	10.	ND	
Bis(2-chloroethyl)ether	(111444)	10.	ND	
Bis(2-chloroisopropyl)ether	(39638329)	10.	ND	
Bis(2-ethylhexyl)phthalate	(117817)	20.	ND	
4-Bromophenylphenylether	(101553)	5.	ND	
Butylbenzylphthalate	(85687)	10.	ND	
2-Chloronaphthalene	(91587)	5.	ND	
4-Chlorophenylphenylether	(7005723)	10.	ND	
Chrysene	(218019)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

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(1) Sample Preparation on 02/08/94 by AC

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## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-7	Groundwater	Brian West	02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
Dibenzo(a,h)anthracene	(53703)	5.	ND	
Di-n-butylphthalate	(84742)	10.	ND	
1,2-Dichlorobenzene	(95501)	5.	ND	
1,3-Dichlorobenzene	(541731)	5.	ND	
1,4-Dichlorobenzene	(106467)	5.	ND	
3,3-Dichlorobenzidine	(91941)	10.	ND	
Diethylphthalate	(84662)	5.	ND	
Dimethylphthalate	(131113)	5.	ND	
2,4-Dinitrotoluene	(121142)	5.	ND	
2,6-Dinitrotoluene	(606202)	5.	ND	
Di-n-octylphthalate	(117840)	10.	ND	
Fluoranthene	(206440)	5.	ND	
Fluorene	(86737)	5.	ND	
Hexachlorobenzene	(118741)	10.	ND	
Hexachlorobutadiene	(87683)	10.	ND	
Hexachlorocyclopentadiene	(77474)	50.	ND	
Hexachloroethane	(67721)	5.	ND	
Indeno(1,2,3-cd)pyrene	(193395)	5.	ND	
Isophorone	(78591)	5.	ND	
Methylnaphthalenes	(91576)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

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## REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-7	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Naphthalene	(91203)	5.	ND		
Nitrobenzene	(98953)	10.	ND		
N-Nitrosodimethylamine	(62759)	10.	ND		
N-Nitrosodiphenylamine	(86306)	10.	ND		
N-Nitrosodi-n-propylamine	(621647)	10.	ND		
Phenanthrene	(85018)	5.	ND		
Pyrene	(129000)	5.	ND		
Trichlorobenzene	(108703)	5.	ND		
4-Chloro-3-methylphenol	(59507)	10.	ND		
2-Chlorophenol	(95578)	10.	ND		
Cresols (total)		10.	ND		
2,4-Dichlorophenol	(120832)	10.	ND		
2,4-Dimethylphenol	(105679)	10.	ND		
2,4-Dinitrophenol	(51285)	10.	ND		
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND		
2-Nitrophenol	(88755)	10.	ND		
4-Nitrophenol	(100027)	20.	ND		
Pentachlorophenol	(87865)	10.	ND		
Phenol	(108952)	10.	ND		
2,4,6-Trichlorophenol	(88062)	10.	ND		

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## REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-7	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Aldrin	(309002)	5.	ND		
alpha BHC	(319846)	5.	ND		
beta BHC	(319857)	5.	ND		
delta-BHC	(319868)	5.	ND		
gamma BHC (Lindane)	(58899)	5.	ND		
p,p'-DDD	(72548)	5.	ND		
p,p'-DDE	(72559)	5.	ND		
p,p'-DDT	(50293)	5.	ND		
Dieldrin	(60571)	5.	ND		
Endosulfan I	(959988)	5.	ND		
Endosulfan II	(33213659)	5.	ND		
Endosulfan sulfate	(1031078)	5.	ND		
Endrin	(72208)	5.	ND		
Endrin aldehyde	(7421934)	5.	ND		
Heptachlor	(76448)	10.	ND		
Heptachlor epoxide	(1024573)	10.	ND		
Methoxychlor	(72435)	10.	ND		
AROCLOR 1016	(12674112)	200.	ND		
AROCLOR 1221	(11104282)	200.	ND		
AROCLOR 1232	(11141165)	200.	ND		

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

## REPORT OF ANALYTICAL RESULTS

Page 5 of 5

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

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

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

## REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-9	Groundwater	Brian West	02/03/94	02/04/94

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

San Jose Lab Certifications: CAELAP #1204

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

(1) Sample Preparation on 02/08/94 by AC

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EXCELLENCE  
IN ANALYSIS

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

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

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

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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

San Jose Lab Certifications: CAELAP #1204

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

San Jose Lab Certifications: CAELAP #1204

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

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Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

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

San Jose Lab Certifications: CAELAP #1204

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## REPORT OF ANALYTICAL RESULTS

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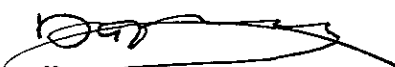
SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-9	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
AROCLOR 1242	(53469219)	200.	ND		
AROCLOR 1248	(12672296)	200.	ND		
AROCLOR 1254	(11097691)	200.	ND		
AROCLOR 1260	(11096825)	200.	ND		
Phenol-d5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

San Jose Lab Certifications: CAELAP #1204

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

  
Dudley Torres  
Organics Manager

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CLIENT: Brian W. West  
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Lab Number : JK-0396-9  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 1 of 5

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

CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
<b>SEMIVOLATILE ORGANIC COMPOUNDS</b>				
Acenaphthylene	(208968)	5.	ND	1
Acenaphthene	(83329)	5.	ND	
Anthracene	(120127)	5.	ND	
Benzidine	(92875)	50.	ND	
Benzo(a)anthracene	(56553)	5.	ND	
Benzo(b)fluoranthene	(205992)	10.	ND	
Benzo(k)fluoranthene	(207089)	10.	ND	
Benzo(a)pyrene	(50328)	5.	ND	
Benzo(ghi)perylene	(191242)	5.	ND	
Bis(2-chloroethoxy)methane	(111911)	10.	ND	
Bis(2-chloroethyl)ether	(111444)	10.	ND	
Bis(2-chloroisopropyl)ether	(39638329)	10.	ND	
Bis(2-ethylhexyl)phthalate	(117817)	20.	ND	
4-Bromophenylphenylether	(101553)	5.	ND	
Butylbenzylphthalate	(85687)	10.	ND	
2-Chloronaphthalene	(91587)	5.	ND	
4-Chlorophenylphenylether	(7005723)	10.	ND	
Chrysene	(218019)	5.	ND	

San Jose Lab Certifications: CAELAP #1204

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

(1) Sample Preparation on 02/08/94 by AC

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

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

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

San Jose Lab Certifications: CAELAP #1204

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Analyzed by: DZ  
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## REPORT OF ANALYTICAL RESULTS

Page 3 of 5

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

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

San Jose Lab Certifications: CAELAP #1204

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Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
MW-10	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT	NOTE	
AROCLOR 1242	(53469219)	200.	ND		
AROCLOR 1248	(12672296)	200.	ND		
AROCLOR 1254	(11097691)	200.	ND		
AROCLOR 1260	(11096825)	200.	ND		
Phenol-d5 (Surrogate % Recovery)			14.		
2-Fluorophenol (Surrogate % Recovery)			20.		
2,4,6-Tribromophenol (Surrogate % Recovery)			43.		
Nitrobenzene-d5 (Surrogate % Recovery)			37.		
2-Fluorobiphenyl (Surrogate % Recovery)			40.		
4-Terphenyl-d14 (Surrogate % Recovery)			54.		

San Jose Lab Certifications: CAELAP #1204

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

  
Budley Torres  
Organics Manager

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

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

## REPORT OF ANALYTICAL RESULTS

Page 1 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
MW-11	Groundwater	Brian West	02/03/94	02/04/94

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

San Jose Lab Certifications: CAELAP #1204

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112 Pepperell Court  
Vacaville, CA 95688

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

## REPORT OF ANALYTICAL RESULTS

Page 2 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-11	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Dibenzo(a,h)anthracene	(53703)	5.	ND		
Di-n-butylphthalate	(84742)	10.	ND		
1,2-Dichlorobenzene	(95501)	5.	ND		
1,3-Dichlorobenzene	(541731)	5.	ND		
1,4-Dichlorobenzene	(106467)	5.	ND		
3,3-Dichlorobenzidine	(91941)	10.	ND		
Diethylphthalate	(84662)	5.	ND		
Dimethylphthalate	(131113)	5.	ND		
2,4-Dinitrotoluene	(121142)	5.	ND		
2,6-Dinitrotoluene	(606202)	5.	ND		
Di-n-octylphthalate	(117840)	10.	ND		
Fluoranthene	(206440)	5.	ND		
Fluorene	(86737)	5.	ND		
Hexachlorobenzene	(118741)	10.	ND		
Hexachlorobutadiene	(87683)	10.	ND		
Hexachlorocyclopentadiene	(77474)	50.	ND		
Hexachloroethane	(67721)	5.	ND		
Indeno(1,2,3-cd)pyrene	(193395)	5.	ND		
Isophorone	(78591)	5.	ND		
Methylnaphthalenes	(91576)	5.	ND		

San Jose Lab Certifications: CAELAP #1204

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

02/15/94  
MSD2/2P40B  
DT/et/dez  
ENA-020894A

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

## REPORT OF ANALYTICAL RESULTS

Page 3 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-11	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Naphthalene	(91203)	5.	ND		
Nitrobenzene	(98953)	10.	ND		
N-Nitrosodimethylamine	(62759)	10.	ND		
N-Nitrosodiphenylamine	(86306)	10.	ND		
N-Nitrosodi-n-propylamine	(621647)	10.	ND		
Phenanthrene	(85018)	5.	ND		
Pyrene	(129000)	5.	ND		
Trichlorobenzene	(108703)	5.	ND		
4-Chloro-3-methylphenol	(59507)	10.	ND		
2-Chlorophenol	(95578)	10.	ND		
Cresols (total)		10.	ND		
2,4-Dichlorophenol	(120832)	10.	ND		
2,4-Dimethylphenol	(105679)	10.	ND		
2,4-Dinitrophenol	(51285)	10.	ND		
2-Methyl-4,6-dinitrophenol	(534521)	10.	ND		
2-Nitrophenol	(88755)	10.	ND		
4-Nitrophenol	(100027)	20.	ND		
Pentachlorophenol	(87865)	10.	ND		
Phenol	(108952)	10.	ND		
2,4,6-Trichlorophenol	(88062)	10.	ND		

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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CLIENT: Brian W. West  
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112 Pepperell Court  
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Lab Number : JK-0396-10  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 4 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MW-11	Groundwater	Brian West	02/03/94	02/04/94	
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
Aldrin	(309002)	5.	ND		
alpha BHC	(319846)	5.	ND		
beta BHC	(319857)	5.	ND		
delta-BHC	(319868)	5.	ND		
gamma BHC (Lindane)	(58899)	5.	ND		
p,p'-DDD	(72548)	5.	ND		
p,p'-DDE	(72559)	5.	ND		
p,p'-DDT	(50293)	5.	ND		
Dieldrin	(60571)	5.	ND		
Endosulfan I	(959988)	5.	ND		
Endosulfan II	(33213659)	5.	ND		
Endosulfan sulfate	(1031078)	5.	ND		
Endrin	(72208)	5.	ND		
Endrin aldehyde	(7421934)	5.	ND		
Heptachlor	(76448)	10.	ND		
Heptachlor epoxide	(1024573)	10.	ND		
Methoxychlor	(72435)	10.	ND		
AROCLOR 1016	(12674112)	200.	ND		
AROCLOR 1221	(11104282)	200.	ND		
AROCLOR 1232	(11141165)	200.	ND		

San Jose Lab Certifications: CAELAP #1204

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

02/15/94  
MSD2/2P40B  
DT/et/dez  
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Lab Number : JK-0396-10  
Project : Weyerhaeuser Alameda  
Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

## REPORT OF ANALYTICAL RESULTS

Page 5 of 5

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
MW-11	Groundwater	Brian West		02/03/94	02/04/94
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
AROCLOR 1242	(53469219)	200.	ND		
AROCLOR 1248	(12672296)	200.	ND		
AROCLOR 1254	(11097691)	200.	ND		
AROCLOR 1260	(11096825)	200.	ND		
Phenol-d5 (Surrogate % Recovery)			18.		
2-Fluorophenol (Surrogate % Recovery)			23.		
2,4,6-Tribromophenol (Surrogate % Recovery)			54.		
Nitrobenzene-d5 (Surrogate % Recovery)			37.		
2-Fluorobiphenyl (Surrogate % Recovery)			46.		
4-Terphenyl-d14 (Surrogate % Recovery)			71.		

San Jose Lab Certifications: CAELAP #1204

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02/15/94  
MSD2/2P40B  
DT/et/dez  
BNA-020894A

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

  
Dudley Torres  
Organics Manager

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IN ANALYSIS

NorCal Division (San Jose Laboratory)  
2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

QC Batch ID: BNA-020894A

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

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

METHOD BLANK  
REPORT OF ANALYTICAL RESULTS

Page 1 of 4

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
METHOD BLANK	Aqueous				
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE	
SEMIVOLATILE ORGANIC COMPOUNDS					
Acenaphthylene	(208968)	5.	ND	1	
Acenaphthene	(83329)	5.	ND		
Anthracene	(120127)	5.	ND		
Benzidine	(92875)	50.	ND		
Benzo(a)anthracene	(56553)	5.	ND		
Benzo(b)fluoranthene	(205992)	10.	ND		
Benzo(k)fluoranthene	(207089)	10.	ND		
Benzo(a)pyrene	(50328)	5.	ND		
Benzo(ghi)perylene	(191242)	5.	ND		
Bis(2-chloroethoxy)methane	(111911)	10.	ND		
Bis(2-chloroethyl)ether	(111444)	10.	ND		
Bis(2-chloroisopropyl)ether	(39638329)	10.	ND		
Bis(2-ethylhexyl)phthalate	(117817)	20.	ND		
4-Bromophenylphenylether	(101553)	5.	ND		
Butylbenzylphthalate	(85687)	10.	ND		
2-Chloronaphthalene	(91587)	5.	ND		
4-Chlorophenylphenylether	(7005723)	10.	ND		
Chrysene	(218019)	5.	ND		
Dibenzo(a,h)anthracene	(53703)	5.	ND		
Di-n-butylphthalate	(84742)	10.	ND		
1,2-Dichlorobenzene	(95501)	5.	ND		

San Jose Lab Certifications: CAELAP #1204

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

(1) Sample Preparation on 02/08/94 by AC

02/15/94  
MSD2/2P34B  
DT/et/dez  
JK0396-1

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2059 Junction Ave.

San Jose, CA 95131  
(408) 955-9077

QC Batch ID: BNA-020894A

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

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

METHOD BLANK  
REPORT OF ANALYTICAL RESULTS

Page 2 of 4

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

San Jose Lab Certifications: CAELAP #1204

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

02/15/94  
MSD2/2P34B  
DT/et/dez  
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Analyzed : 02/14/94  
Analyzed by: DZ  
Method : EPA 625

METHOD BLANK  
REPORT OF ANALYTICAL RESULTS

Page 3 of 4

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED
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METHOD BLANK	Aqueous		
--------------	---------	--	--

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

San Jose Lab Certifications: CAELAP #1204

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02/15/94  
MSD2/2P34B  
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QC Batch ID: BNA-020894A

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

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

METHOD BLANK  
REPORT OF ANALYTICAL RESULTS

Page 4 of 4

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

San Jose Lab Certifications: CAELAP #1204

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

02/15/94  
MSD2/2P34B  
DT/et/dez  
JK0396-1

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

  
Dudley Torres  
Organics Manager

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San Jose, CA 95131  
(408) 955-9077

QC Batch ID: BNA-020894A

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

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

QC SPIKE  
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

San Jose Lab Certifications: CAELAP #1204

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

(1) Sample Preparation on 02/08/94 by AC

02/15/94  
MSD2/2P35B  
DT/et/dez  
JK0396-1

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QC Batch ID: BNA-020894A

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

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

QC SPIKE  
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

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

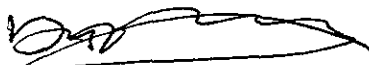
San Jose Lab Certifications: CAELAP #1204

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

(1) Sample Preparation on 02/08/94 by AC

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

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