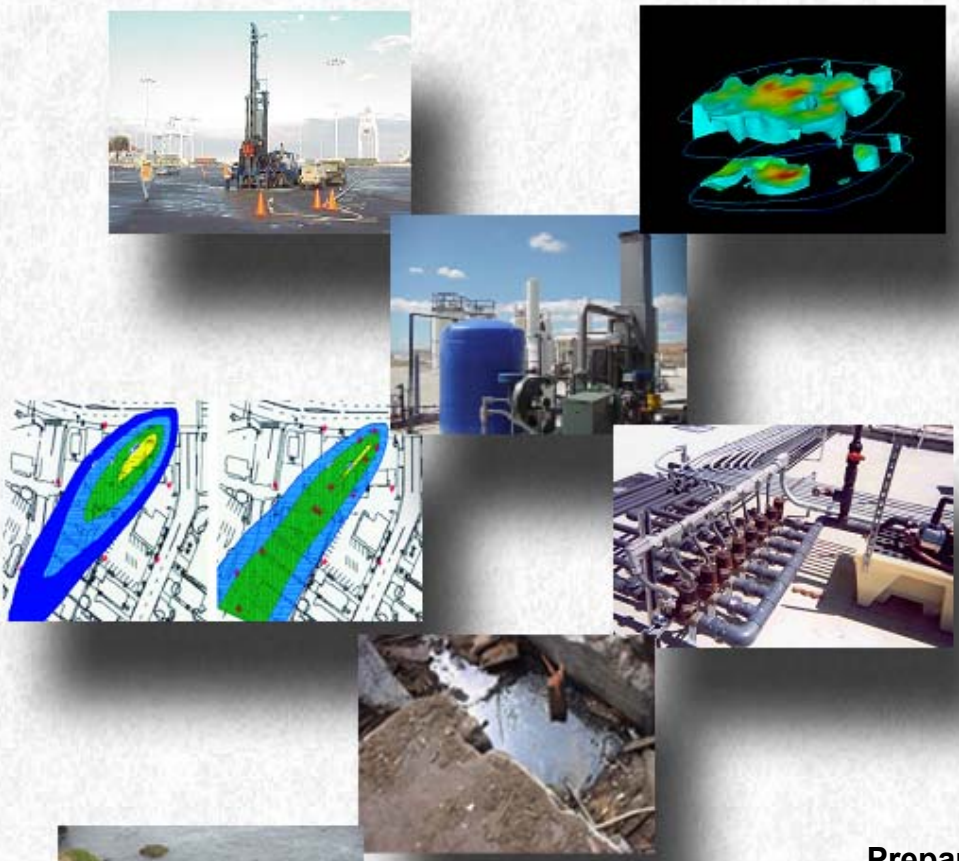
Ground Water Monitoring Report, Third Quarter 2005

Georgia-Pacific Corporation California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California



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Georgia-Pacific Corporation

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DECEMBER 27, 2005

GROUND WATER MONITORING REPORT
THIRD QUARTER 2005

PREPARED FOR

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California Wood Products Manufacturing Facility
90 West Redwood Avenue
Fort Bragg, California

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1. INTRODUCTION

Georgia-Pacific Corporation (G-P) has authorized the preparation of this report for monitoring and sampling of ground water beneath the former G-P California Wood Products Manufacturing Facility (site; **Figures 1** and **2**) located at 90 West Redwood Avenue in Fort Bragg, California.

1.1 Objectives of Ground Water Monitoring

Work documented in this report was conducted to:

- Provide baseline ground water quality data by collecting and analyzing samples from available monitoring wells during a single event
- Determine if changes are necessary to the scope of future sampling events to more effectively and efficiently monitor ground water conditions

1.2 Site Description

The approximately 445-acre site is located west of Highway One along the Pacific Ocean coastline in the City of Fort Bragg, Mendocino County, California. It is bounded to the south by Noyo Bay, to the west by open coastline, and to the east by the City of Fort Bragg. The site was divided into ten parcels during previous investigations based on historical operations and land use. **Figure 2** is a site map showing the locations of parcels, major buildings, ponds, and other features.

2. SCOPE OF WORK

Field work for the third quarter 2005 ground water monitoring event was conducted between August 15 and 19, 2005.

2.1 Ground Water Monitoring Well Network

Samples collected during the third quarter 2005 monitoring event were taken from a monitoring well network (**Figure 3**) of 30 monitoring wells installed in six of the ten parcels. Most of these monitoring wells are less than 30 feet deep and are screened across the water table (**Table 1**). In addition, a piped spring located near the eastern side of Parcel 3 was also sampled.

2.2 Methodologies

Procedures used to measure ground water elevation and liquid phase hydrocarbons (LPH) thickness, purge monitoring wells, monitor field parameters, and collect, handle, and document ground water samples during this sampling event are presented in Appendix A. The work was performed in accordance with the Sampling and Analysis Plan (SAP) and Quality Assurance Plan (QAP), which are Appendices A and C of the Acton • Mickelson • Environmental, Inc. (AME) June 8, 2005 *Work Plan for Additional Site Assessment, Georgia-Pacific California Wood Products Manufacturing Facility.*

2.2.1 Ground Water Elevation and Liquid Phase Hydrocarbon Measurements

On August 15, 2005, prior to purging and sampling, measurements were collected from each monitoring well, except for MW-4.3 which was measured on August 16, 2005, to determine the depth to water below the top of well casing and the thickness of LPH, if present. Measurements were made using an interface probe in accordance with procedures presented in the SAP. This instrument generates separate, distinct tones for LPH and water when the probe is lowered into the monitoring well, and is capable of detecting LPH thicknesses of 0.01 foot or more. These measurements were corrected to elevations relative to mean sea level (msl) by subtracting the depth to water from the elevation of the top of each monitoring well casing. The interface probe was decontaminated prior to use in each monitoring well gauged.

2.2.2 Ground Water Monitoring Well Purging, Sampling, and Analysis

Each of the monitoring wells was purged using a peristaltic pump and low-flow methods. Purge rates were maintained at approximately 0.25 gallon per minute (gpm). To reduce the possibility of cross-contamination, dedicated peristaltic pump tubing was used to purge and sample each monitoring well. Dedicated discharge tubing was used for each monitoring well.

To determine when water chemistry had stabilized and low-flow purging was producing water representative of aquifer conditions, field measurements were made for pH, temperature, turbidity, specific conductance, dissolved oxygen (DO), and oxidation reduction potential (ORP). Measurements of these parameters were collected using a Horiba U-22XD water quality meter.

Ferrous iron concentrations were also determined in the field for each monitoring well using a Hach Model IR-18C Ferrous Iron Test Kit. These tests were conducted at the conclusion of the purging of each monitoring well by collecting a water sample from the pump discharge tube.

Measurements of field parameters and other relevant information for each monitoring well were recorded on Well Sampling/Development Information forms. Copies of these forms, along with ground water level measurement and instrument calibration data, are presented in Appendix B.

Following monitoring well purging, ground water samples were collected directly from the pump discharge tubing into the appropriate containers. The sample containers provided by the analytical laboratory were pre-washed, prepared, and supplied with preservatives in accordance with analytical laboratory quality assurance/quality control (QA/QC) protocols. Ground water samples for dissolved metals were filtered in the field with disposable 0.45-micron inline cartridge filters.

After placing ground water samples in appropriate containers, each was immediately labeled with the sample number, time, date, sampler's name, and preservative. The sample containers were then placed in coolers containing ice along with a temperature blank and the chain-of-custody form pending delivery to the laboratory. Copies of chain-of-custody forms are included in Appendix C.

Ground water samples were submitted to Curtis & Tompkins Ltd. in Berkeley, California, a laboratory certified by the California Department of Health Services for analysis for the following:

- Total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel (TPHd), and total petroleum hydrocarbons as motor oil (TPHo) by United States Environmental Protection Agency (EPA) Method 8015B. Samples submitted for analysis of TPHd and TPHo were prepared with silica gel cleanup (SGCU) by EPA Method 3630C and results were reported to the method detection limit (MDL).

- Volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tertiary-butyl ether (MTBE), ethanol, and isopropanol by EPA Method 8260B. Results were reported to the MDL

- Semi-volatile organic compounds (SVOCs) by EPA Method 8270C, with results reported to the MDL

- Polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8310, with results reported to the MDL

- Polychlorinated biphenyls (PCBs) congeners by EPA Method 8082, with results reported to the MDL

- Dissolved metals by EPA Method 6020 or 7470A with results reported to the laboratory reporting limit (RL)

Copies of laboratory reports for samples collected during this ground water monitoring event are presented in Appendix C of this report.

2.2.3 Quality Assurance/Quality Control

QA/QC procedures outlined in the QAP were adhered to during the sampling events QC samples, including trip blanks, field duplicates, and matrix spike/matrix spike duplicates (MS/MSDs) were collected, submitted, and analyzed in accordance with the QAP.

Laboratory data were validated based on data quality objectives and parameters presented in the QAP. Included in this validation process was evaluation of the following criteria:

- Specified RLs
- Field duplicate and primary sample relative percent differences (RPDs)
- Trip blanks
- Sample temperatures upon laboratory receipt
- Sample preservation
- Holding times
- Laboratory blanks
- Surrogate spike results
- MS/MSD results
- Laboratory control sample RPDs and recovery rates

Based on the results of the data validation process, samples may be qualified with the following flags:

- u – the reported analyte was not detected
- j – the reported result is an estimated value
- uj – the reported analyte was not detected and the RL is an estimated value
- r – the reported result is rejected and is unusable

Ground water sample analytical reports are in Appendix C, and additional information regarding the application of data validation qualifiers is presented in Appendix D.

2.2.4 Investigation Derived Waste

Waste fluids resulting from monitoring activities, including decontamination fluids and well purge water, were temporarily contained in a portable plastic tank on the sampling truck. These fluids were transferred to a storage tank for on-site storage pending characterization. Solid waste items, including paper, plastic, cardboard, and used vinyl gloves were contained in plastic trash bags and disposed in a dumpster provided at the site.

3. RESULTS

3.1 Ground Water Elevation and Liquid Phase Hydrocarbon Measurements

Depth to ground water and LPH thickness was measured in the monitoring wells on August 15 and 16, 2005. Liquid phase hydrocarbons were detected at a thickness of 0.03 feet in monitoring well MW-5.1. **Table 2** is a compilation of current and historical ground water level and LPH measurements. Ground water elevations are provided relative to msl.

On August 15 and 16, 2005, depth to ground water for the site ranged from 0.91 foot below ground surface (bgs) in MW-3.6, to 27.19 feet bgs in MW-10.3. Ground water elevations ranged from 17.74 feet msl in monitoring well MW-4.1 to 67.79 feet msl in monitoring well MW-3.2 (**Table 2**; **Figure 4**).

Figure 4 is the ground water elevation contour map for August 15 and 16, 2005. The inferred ground water flow direction for the site was generally toward the Pacific Ocean, with the ground water elevation contours broadly reflecting the site topography. Where constrained by data from monitoring wells, the inferred horizontal hydraulic gradient ranged from approximately 0.02 to 0.05.

3.2 General Ground Water Quality

3.2.1 General Ground Water Quality Parameters

General ground water quality parameters include temperature, pH, specific conductance, DO, ORP, ferrous iron, and turbidity. Measurements of these parameters and other relevant information for each monitoring well are recorded on the Sampling/Development Information forms (Appendix B).

3.2.2 Total Petroleum Hydrocarbons, Benzene, Toluene, Ethylbenzene, Xylenes, and Methyl Tertiary-Butyl Ether

Ground water analytical data for TPHg, TPHd, TPHo, BTEX, and MTBE are in **Table 3**.

3.2.2.1 Total Petroleum Hydrocarbons as Gasoline

TPHg was reported at less than the RL of 50 micrograms per liter (µg/L) in all samples analyzed.

3.2.2.2 Total Petroleum Hydrocarbons as Diesel

TPHd was reported at less than the MDL of between 13 and 34 µg/L (with SGCU) in all samples except those from three of the monitoring wells. The maximum reported TPHd concentration was 75 µg/L in the sample from monitoring well MW-3.2. **Figure 4** presents results for TPHd in ground water samples obtained from the monitoring wells and the spring.

3.2.2.3 Total Petroleum Hydrocarbons as Motor Oil

TPHo was reported at less than the MDL of between 33 and 76 µg/L in all samples analyzed.

3.2.2.4 Benzene

Benzene was reported at less than the MDL of between 0.03 and 0.04 µg/L in all samples analyzed.

3.2.2.5 Toluene

Toluene was reported at less than the MDL of between 0.05 and 0.06 µg/L in all of the samples analyzed except for the concentration of 0.1 J µg/L in the sample from monitoring well MW-10.4.

3.2.2.6 Ethylbenzene

Ethylbenzene was reported at less than the MDL of between 0.06 and 0.1 µg/L in all samples analyzed.

3.2.2.7 Xylenes

M,p and o-xylenes were reported at less than the respective MDLs in all samples analyzed.

3.2.2.8 Methyl Tertiary-Butyl Ether

Reported MTBE concentrations ranged from less than the MDL of 0.05 to 0.2 µg/L to 1.7 µg/L in the sample from monitoring well MW-3.2, which is located near the Former Mobile Equipment Shop in Parcel 3 (**Figure 3**).

3.2.3 Volatile Organic Compounds

Laboratory analytical results for VOCs are in **Table 4**. Results include reported concentrations greater than the respective MDLs in samples from monitoring wells MW-3.1, MW-3.2, and MW-3.3, which are in the Former Mobile Equipment Shop area in Parcel 3; monitoring well MW-3.4 and spring SP-3.1 near the Plant Supply and Machine Shop in Parcel 3; monitoring well MW-3.7 in Former Planer #1 in Parcel 3; and monitoring well MW-5.3, which is near the Mobile Equipment Shop located south of Pond 5 in Parcel 5 (**Figure 3**). Reported concentrations of VOCs in the ground water samples from the remaining monitoring wells were less than the respective MDLs.

Reported concentrations of 1,1-dichloethane (1,1-DCA) greater than the MDL ranged from 0.1 J µg/L in the sample from monitoring well MW-3.7 up to 1.8 µg/L in the primary sample from monitoring well MW-3.1. A total of 7 of the ground water samples contained reported concentrations of 1,1-DCA greater than the MDL; these samples were collected from monitoring wells MW-3.1 (primary and duplicate samples), MW-3.2, MW-3.3, MW-3.7, and MW-5.3 and spring SP-3.1.

Cis-1,2-dichloethene (cis-1,2-DCE) was reported at greater than the MDL in samples obtained from monitoring wells MW-3.1, MW-3.2, MW-3.3, and MW-5.3, and spring SP-3.1, with concentrations up to 1.7 µg/L in the primary sample collected from monitoring well MW-3.1.

Freon 113 was reported in the samples obtained from monitoring wells MW-3.2 and MW-3.3 at concentrations of 1.2 J and 7 µg/L, respectively. Reported concentrations of Freon 113 in the ground water samples obtained from the remaining monitoring wells were less than the MDL.

Naphthalene was reported at a concentration of 1.1 J µg/L in the sample collected from monitoring well MW-5.3. Reported naphthalene concentrations in the ground water samples obtained from the remaining monitoring wells were less than the MDL. **Figure 5** presents results for naphthalene in ground water samples obtained from the monitoring wells and the spring.

Reported tetrachloroethene (PCE) concentrations ranged from less than the MDL to 4.2 µg/L in the sample from spring SP-3.1. **Figure 6** presents results for PCE in ground water samples obtained from the monitoring wells and the spring.

1,1,1-trichloroethane (1,1,1-TCA) was reported at greater than the MDL in samples obtained from monitoring wells MW-3.2 and MW-3.3 and spring SP-3.1, at concentrations ranging up to 7.5 µg/L in the sample obtained from monitoring well MW-3.3.

Trichloroethene (TCE) was reported at greater than the MDL in samples obtained from monitoring wells MW-3.1, MW-3.2, and MW-3.3, and spring SP-3.1, with concentrations ranging up to 1.6 µg/L in the sample obtained from the spring.

Other volatile organic compounds reported at greater than the MDL include acetone (3.8 J µg/L in the sample from monitoring well MW-3.4), carbon disulfide (0.2 J µg/L in the sample from monitoring well MW-3.3), chloroform (0.3 J µg/L in the sample from monitoring well MW-3.3), 1,1-dichloroethene (1,1-DCE, 0.3 J µg/L in the sample from monitoring well MW-3.3), and isopropanol (3.3 J µg/L in the sample from monitoring well MW-3.4).

3.2.4 Semi-volatile Organic Compounds

In general, reported concentrations of SVOCs were reported at less than the respective MDLs in all except three of the samples analyzed (**Table 5**). Naphthalene was reported at a concentration of 0.9 J µg/L in the sample from monitoring well MW-5.3. In the sample from monitoring well MW-3.4, phenol was reported at a concentration of 0.89 J µg/L, and in the sample from monitoring well MW-5.7, benzoic acid was reported at a concentration of 0.93 J µg/L.

Bis(2-ethylhexyl)phthalate was reported at concentrations between 0.52 J and 11 µg/L in 16 of the samples. Although not reported in the associated method blanks samples, bis(2-ethylhexyl)phthalate is a common artifact of semi-volatile laboratory analysis.

Pentachlorophenol was reported at less than the MDL in all samples analyzed.

3.2.5 Polynuclear Aromatic Hydrocarbons

Laboratory analytical results for PAHs are in **Table 6**. Results include reported concentrations greater than the respective MDLs in samples from monitoring well MW-5.3, which is near the Mobile Equipment Shop located south of Pond 5 in Parcel 5; and monitoring well MW-5.7, which is located to the southeast of the Former Sawmill #1 in Parcel 5 (**Figure 3**).

Fluoranthene was reported at less than the MDL in all samples analyzed except for 0.03 J µg/l in the sample from monitoring well MW-5.7.

Naphthalene was reported at concentration of 0.71 J µg/L in the sample collected from monitoring well MW-5.3. Reported naphthalene concentrations in the ground water samples obtained from the remaining monitoring wells were less than the MDL.

3.2.6 Polychlorinated Biphenyls

Previous PCB arochlor analytical results are presented in **Table 7A**. Reported concentrations of PCB congeners were less than the respective MDLs in all but one of the ground water samples (**Table 7B**). In the ground water sample from monitoring well MW-3.9, four PCB congeners (BZ# 138, 153, 180, and 187) were reported at concentrations between 0.021 J and 0.034 J µg/L. Monitoring well MW-3.9 is located in the northeastern corner of Former Planer #1. The reported concentrations of PCB congeners may be associated with sample turbidity (33.3 NTUs, Appendix B), and thus may represent concentrations adsorbed to sediment.

3.2.7 Organochlorine Pesticides

Table 8 provides a summary of historical results for organochlorine pesticides.

3.2.8 Dissolved Metals

Laboratory analytical results for dissolved metals are in **Table 9**. They include reported concentrations of antimony, arsenic, barium, chromium, cobalt, copper, molybdenum, nickel, thallium, vanadium, and zinc greater than the respective RLs. Concentrations of the remaining dissolved metals (beryllium, cadmium, lead, mercury, selenium, and silver) were less than the respective RLs.

Antimony was reported at a concentration of 1.5 µg/L in the sample from monitoring well MW-3.5. Reported concentrations in samples from the remaining monitoring wells were less than the RL.

Reported concentrations of arsenic ranged from less than the RL to 14 µg/L. The maximum reported arsenic concentrations were 14 µg/L in the samples from monitoring well MW-5.5, which is located southwest of the Fuel Storage and Dispenser in Parcel 5, and monitoring well MW-5.7, which is located southeast of Former Sawmill #1 (**Figure 3**).

Reported concentrations of barium ranged from less than the RL to 4,200 µg/L in the sample from monitoring well MW-4.1 in Parcel 4.

Chromium was reported at concentrations ranging from less than the RL to 2.2 µg/L in the sample from monitoring well MW-5.3, which is located southwest of the Mobile Equipment Shop in Parcel 5 (**Figure 3**).

Reported concentrations of cobalt were less than the RL in all except samples from three of the monitoring wells. The maximum reported concentration was 4.2 µg/L in the sample from monitoring well MW-5.6.

Reported concentrations of copper ranged from less than the RL to 2.7 µg/L in the sample from monitoring well MW-4.1 in Parcel 5.

Reported concentrations of molybdenum were less than the RL, except for the sample from monitoring well MW-3.4 in Parcel 3 at a concentration of 1.6 µg/L.

Reported concentrations of nickel were less than the RL in all except samples from four of the monitoring wells. The maximum reported concentration was 2.1 µg/L in the sample from monitoring well MW-5.6.

Reported concentrations of thallium were less than the RL, except for the sample from monitoring well MW-5.2 in Parcel 5 at a concentration of 1.6 µg/L.

Vanadium was reported at concentrations ranging from less than the RL to 9.8 µg/L in the sample from monitoring well MW-3.4, which is located near the Plant Supply and machine shop in Parcel 3 (**Figure 3**).

Reported concentrations of zinc ranged from 2.2 to 36 µg/L, with the maximum concentration in the sample from monitoring well MW-2.1 in Parcel 2.

3.2.9 Tannin and Lignin

Table 10 provides a summary of historical results for tannin and lignin.

3.3 Data Validation Results

Data validation was performed using procedures outlined in the QAP. Data qualifiers appended to the laboratory results have been added to the tables summarizing the ground water analytical data. Copies of data validation summary reports are included in Appendix D.

Analytical results of trip blank and equipment blank samples indicate that field QC measures were properly implemented. The results of the data validation process indicate that most QC criteria, including holding times, instrument checks, sample temperatures, calibration, blanks, duplicates, spikes, standards, and RLs were met by the laboratory.

In general, the overall assessment of the analytical results indicates that data are acceptable and usable. A portion of the data was qualified due to method blank and trip blank contamination. The impact of these deviations is that some of the reported laboratory values have been qualified as not detected (i.e., flagged “u”).

In general, validation of the laboratory reports indicated that the majority of laboratory data meet the QAP-specified criteria for precision, accuracy, representativeness, comparability, and completeness. No systemic laboratory QC issues were identified, and no corrective actions were required.

4. SUMMARY AND CONCLUSIONS

LPH was only detected only in monitoring well MW-5.1 at a thickness of 0.03 feet during this monitoring event. The inferred ground water flow direction for the site was generally toward the Pacific Ocean.

Reported concentrations of TPHg were less than the RL. TPHd was reported at less than the MDL in all except three of the samples analyzed, with the maximum reported TPHd concentration of 75 µg/L in the sample from monitoring well MW-3.2. TPHo was reported at less than the MDL in all of the samples analyzed.

Benzene was reported at less than the MDL in all of the samples analyzed. The maximum reported MTBE concentration was 1.7 µg/L in the sample from monitoring MW-3.2.

Reported concentrations of other VOCs were greater than the MDLs in samples from monitoring wells MW-3.1, MW-3.2, MW-3.3, MW-3.4, MW-3.7, MW-5.3, and spring SP-3.1. The VOCs with reported concentrations greater than the MDLs included 1,1-DCA (0.1 to 1.8 µg/L in the sample from monitoring well MW-3.1), cis-1,2-DCE (maximum of 1.7 µg/L in the sample from monitoring well MW-3.1), Freon 113 (1.2 J to 7 µg/L in the sample from monitoring well MW-3.3), naphthalene (1.1 J in the sample from monitoring well MW-5.3), PCE (maximum of 4.2 µg/L in the sample from spring SP-3.1), 1,1,1-TCA (maximum of 7.5 µg/L in the sample from monitoring well MW-3.3), and TCE (maximum of 1.6 µg/L in the sample from spring SP-3.1. Less frequently reported were acetone, carbon disulfide, chloroform, 1,1-DCE, and isopropanol. Reported concentrations of other VOCs were less than the respective MDLs.

In general, concentrations of SVOCs reported above the MDLs were limited to benzoic acid (0.93 J µg/L in the sample from monitoring well MW-5.7), naphthalene (0.9 J µg/L in the sample from monitoring well MW-5.3), and phenol (0.89 J µg/L in the sample from monitoring well MW-3.4) in one sample each. Reported concentrations of bis(2-ethylhexyl)phthalate (0.52 J to 11 µg/L) in 16 of the samples may be an artifact of the laboratory analysis for SVOCs. Pentachlorophenol was reported at less than the MDL in all samples analyzed.

Reported concentrations of PAHs were greater than the respective MDLs in samples from monitoring wells MW-5.3, and MW-5.7. The PAHs with reported concentrations greater than the MDLs included fluoranthene (0.03 J µg/L in the sample from monitoring well MW-5.7) and naphthalene (0.71 J µg/L in the sample from monitoring well MW-5.3).

Reported concentrations of PCBs were less than the respective MDLs in all but one of the ground water samples. In the ground water sample from monitoring well MW-3.9, four PCB congeners were reported at concentrations between 0.021 J and 0.034 J µg/L.

Laboratory analytical results of ground water samples collected for dissolved metals included reported concentrations of antimony (1.5 µg/L in the sample from monitoring well MW-3.5), arsenic (maximum of 14 µg/L in the samples from monitoring wells MW-5.5 and MW-5.7), barium (maximum of 4,200 µg/L in the sample from monitoring well MW-4.1), chromium (maximum of 2.2 µg/L in the sample from monitoring well MW-5.3), cobalt (maximum of 4.2

µg/L in the sample from monitoring well MW-5.6), copper (maximum of 2.7 µg/L in the sample from monitoring well MW-4.1), molybdenum (1.6 µg/L in the sample from monitoring well MW-3.4), nickel (maximum of 2.1 µg/L in the sample from monitoring well MW-5.6), thallium (1.6 µg/L in the sample from monitoring well MW-5.2), vanadium (maximum of 9.8 µg/L in the sample from monitoring well MW-3.4), and zinc (maximum of 36 µg/L in the sample from monitoring well MW-2.1) greater than the respective RLs. Concentrations of the remaining dissolved metals were less than the respective RLs.

5. RECOMMENDATIONS

Quarterly monitoring will continue at the site. Analytical parameters for the fourth quarter 2005 monitoring event will include TPHg, TPHd, and TPHo with SGCU, VOCs, SVOCs, PAHs, PCBs, and dissolved metals. The PCB analysis will include specific congeners. Analyses for TPHd, TPHo, VOCs, SVOCs, PAHs, and PCB congeners will continue to be reported to the MDL.

6. REMARKS

This ground water monitoring report represents our professional opinions, which are based in part on client-supplied and currently available information and are arrived at in accordance with accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended. This ground water monitoring report was prepared solely for the use of our client. Any reliance on the information contained in the ground water monitoring report by third parties shall be at such parties' sole risk.

7. REFERENCES

AME. 2005. *Work Plan for Additional Site Assessment, Georgia-Pacific California Wood Products Manufacturing Facility.* Includes Appendix A, Sampling and Analysis Plan, Appendix B, Quality Assurance Plan. June 9.

TABLE 1

MONITORING WELL CONSTRUCTION DETAILS
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Parcel	East (feet)	North (feet)	Casing Elevation (feet)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Screen Length (feet)	Top of Filter (feet bgs)	Bottom of Filter (feet bgs)
MW-2.1	2	6050175.99	2294112.70	60.79	5	19.75	14.75	4	20
MW-2.2	2	6050176.56	2293835.20	60.70	5	19.75	14.75	4	20
MW-2.3	2	6050284.88	2293863.53	62.67	5	19.75	14.75	4	20
MW-3.1	3	6050981.83	2293457.19	76.07	4.5	24.25	19.75	3.5	24.5
MW-3.2	3	6051068.66	2293461.33	76.18	8	23.25	15.25	7	25
MW-3.3	3	6051082.54	2293300.43	74.22	5	24.75	19.75	4	25
MW-3.4	3	6051191.86	2292715.89	60.84	4.1	9.75	5.65	4	11
MW-3.5	3	6051183.42	2292653.44	59.40	2.5	12.5	10	2	13
MW-3.6	3	6051126.72	2292593.43	57.61	2.5	12.5	10	2	13
MW-3.7	3	6050447.13	2293206.57	63.24	5	24.75	19.75	4	25
MW-3.8	3	6050449.99	2293534.60	63.44	5	24.75	19.75	4	25
MW-3.9	3	6050485.92	2293591.22	63.32	5	19.75	14.75	4	20
MW-4.1	4	6050111.01	2292087.14	22.91	2	27.25	25.25	1.5	30
MW-4.2	4	6050191.46	2292228.96	28.12	4	28.75	24.75	3	30
MW-4.3	4	6050297.47	2292132.93	25.19	3	29.75	26.75	2	30
MW-4.4	4	6050432.95	2292123.60	26.54	5	29.75	24.75	4	30
MW-5.1	5	6051249.88	2291773.24	58.32	5	24.75	19.75	4	25
MW-5.2	5	6051356.28	2291788.43	59.61	5	24.75	19.75	4	26
MW-5.3	5	6051200.92	2291538.19	56.71	5	29.75	24.75	4	30
MW-5.4	5	6051316.86	2291493.40	58.99	5	29.75	24.75	4	30
MW-5.5	5	6051198.46	2291367.85	57.56	5	29.75	24.75	4	30
MW-5.6	5	6050856.11	2292202.54	50.07	5	24.75	19.75	4	25
MW-5.7	5	6050760.50	2292109.14	44.83	5	34.75	29.75	4	35
MW-5.8	5	6050664.80	2292295.12	45.62	2	19.75	17.75	1.5	20
MW-5.9	5	6050562.23	2292112.94	31.32	5	24.75	19.75	4	25
MW-7.1	7	6049756.55	2290878.73	54.03	5	14.75	9.75	4	15
MW-10.1	10	6049208.77	2288773.88	78.82	15	29.75	14.75	12	30
MW-10.2	10	6048962.69	2289267.80	70.69	4	12.75	8.75	3	14
MW-10.3	10	6048746.19	2288475.51	71.62	16	24.75	8.75	15	25
MW-10.4	10	6048641.98	2288994.46	73.42	18	29.75	11.75	17	30

Notes

Casing elevation is the measuring point for ground water levels (in mean sea level).

East and north horizontal coordinates are in California Coordinate System, North American Datum 1983.

bgs = below ground surface

TABLE 2

GROUND WATER ELEVATION DATA

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Location	Date	Reference Elevation (feet)	Depth To Water	Depth To LPH (feet)	LPH Thickness (feet)	Ground Water Elevation (feet)	Notes
MW-2.1	1/29/2004	60.79	4.52			56.27	
	6/23/2004	60.79	5.26			55.53	
	9/22/2004	60.79	5.96			54.83	
	12/7/2004	60.79	5.56			55.23	
	3/28/2005	60.79	4.29			56.50	
	5/9/2005	60.79	4.41			56.38	
	8/15/2005	60.79	5.16			55.63	
MW-2.2	1/29/2004	60.70	2.90			57.80	
	6/23/2004	60.70	4.23			56.47	
	9/22/2004	60.70	5.35			55.35	
	12/7/2004	60.70	4.40			56.30	
	3/28/2005	60.70	2.46			58.24	
	5/9/2005	60.70	4.16			56.54	
	8/15/2005	60.70	4.09			56.61	
MW-2.3	1/29/2004	62.67	4.29			58.38	
	6/23/2004	62.67	5.44			57.23	
	9/22/2004	62.67	6.63			56.04	
	12/7/2004	62.67	5.87			56.80	
	3/28/2005	62.67	3.96			58.71	
	5/9/2005	62.67	2.81			59.86	
	8/15/2005	62.67	5.32			57.35	
MW-3.1	1/28/2004	76.07	6.50			69.57	
	6/24/2004	76.07	8.84			67.23	
	9/22/2004	76.07	10.26			65.81	
	12/7/2004	76.07	9.89			66.18	
	3/28/2005	76.07	6.61			69.46	
	5/9/2005	76.07	6.85			69.22	
	8/15/2005	76.07	8.32			67.75	
MW-3.2	1/28/2004	76.18	6.57			69.61	
	6/24/2004	76.18	8.92			67.26	
	9/22/2004	76.18	10.31			65.87	
	12/7/2004	76.18	9.96			66.22	
	3/28/2005	76.18	6.67			69.51	
	5/9/2005	76.18	6.91			69.27	
	8/15/2005	76.18	8.39			67.79	

TABLE 2

GROUND WATER ELEVATION DATA

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Location	Date	Reference Elevation (feet)	Depth To Water	Depth To LPH (feet)	LPH Thickness (feet)	Ground Water Elevation (feet)	Notes
MW-3.3	1/28/2004	74.22	4.70			69.52	
	6/24/2004	74.22	6.97			67.25	
	9/22/2004	74.22	8.28			65.94	
	12/7/2004	74.22	7.75			66.47	
	3/28/2005	74.22	4.58			69.64	
	5/9/2005	74.22	4.86			69.36	
	8/15/2005	74.22	6.48			67.74	
MW-3.4	1/28/2004	60.84	1.38			59.46	
	6/24/2004	60.84	2.10			58.74	
	9/22/2004	60.84	3.72			57.12	
	12/7/2004	60.84	3.76			57.08	
	3/28/2005	60.84	1.51			59.33	
	5/9/2005	60.84	1.18			59.66	
	8/15/2005	60.84	2.42			58.42	
MW-3.5	1/28/2004	59.40	1.63			57.77	
	6/24/2004	59.40	2.91			56.49	
	9/22/2004	59.40	3.93			55.47	
	12/7/2004	59.40	2.95			56.45	
	3/28/2005	59.40	1.51			57.89	
	5/9/2005	59.40	1.35			58.05	
	8/15/2005	59.40	2.72			56.68	
MW-3.6	1/28/2004	57.61	1.05			56.56	
	6/24/2004	57.61	2.15			55.46	
	9/22/2004	57.61	2.55			55.06	
	12/7/2004	57.61	2.22			55.39	
	3/28/2005	57.61	0.74			56.87	
	5/9/2005	57.61	0.71			56.90	
	8/15/2005	57.61	0.91			56.70	
MW-3.7	1/28/2004	63.24	6.52			56.72	
	6/24/2004	63.24	7.70			55.54	
	9/22/2004	63.24	9.63			53.61	
	12/7/2004	63.24	8.65			54.59	
	3/28/2005	63.24	5.75			57.49	
	5/9/2005	63.24	5.83			57.41	
	8/15/2005	63.24	7.38			55.86	

TABLE 2

GROUND WATER ELEVATION DATA

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Location	Date	Reference Elevation (feet)	Depth To Water	Depth To LPH (feet)	LPH Thickness (feet)	Ground Water Elevation (feet)	Notes
MW-3.8	1/28/2004	63.44	4.58			58.86	
	6/24/2004	63.44	5.61			57.83	
	9/22/2004	63.44	7.19			56.25	
	12/7/2004	63.44	6.40			57.04	
	3/28/2005	63.44	3.89			59.55	
	5/9/2005	63.44	4.10			59.34	
	8/15/2005	63.44	5.38			58.06	
MW-3.9	1/28/2004	63.32	4.09			59.23	
	6/24/2004	63.32	5.01			58.31	
	9/22/2004	63.32	6.61			56.71	
	12/7/2004	63.32	5.90			57.42	
	3/28/2005	63.32	3.87			59.45	
	5/9/2005	63.32	3.85			59.47	
	8/15/2005	63.32	4.83			58.49	
MW-4.1	1/28/2004	22.91	3.96			18.95	
	6/23/2004	22.91	6.15			16.76	
	9/22/2004	22.91	7.31			15.60	
	12/7/2004	22.91	4.95			17.96	
	3/28/2005	22.91	3.78			19.13	
	5/9/2005	22.91	3.91			19.00	
	8/15/2005	22.91	5.17			17.74	
MW-4.2	1/28/2004	28.12	6.25			21.87	
	6/23/2004	28.12	8.96			19.16	
	9/22/2004	28.12	11.58			16.54	
	12/7/2004	28.12	7.07			21.05	
	3/28/2005	28.12	5.50			22.62	
	5/9/2005	28.12	5.89			22.23	
	8/15/2005	28.12	6.62			21.50	
MW-4.3	1/28/2004	25.19	3.10			22.09	
	6/24/2004	25.19	5.67			19.52	
	3/28/2005	25.19	2.69			22.50	
	5/9/2005	25.19	3.10			22.09	
	8/16/2005	25.19	3.38			21.81	

TABLE 2

GROUND WATER ELEVATION DATA

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Location	Date	Reference Elevation (feet)	Depth To Water	Depth To LPH (feet)	LPH Thickness (feet)	Ground Water Elevation (feet)	Notes
MW-4.4	1/28/2004	26.54	2.89			23.65	
	6/24/2004	26.54	4.56			21.98	
	9/22/2004	26.54	6.31			20.23	
	12/7/2004	26.54	3.58			22.96	
	3/28/2005	26.54	2.25			24.29	
	5/9/2005	26.54	3.19			23.35	
	8/15/2005	26.54	3.87			22.67	
Pond 8 Outfall N	3/30/2005	40.01	-0.05			40.06	
	5/9/2005	40.01	-0.18			40.19	
	8/15/2005	40.01	-999.00				Dry
Pond 8 Outfall S	3/30/2005	39.91	-0.25			40.16	
	5/9/2005	39.91	-0.30			40.21	
	8/15/2005	39.91	-0.10			40.01	
MW-5.1	1/29/2004	58.32	9.95			48.37	
	6/24/2004	58.32	11.14	11.13	0.01	47.19	Used LPH density 0.81
	9/22/2004	58.32	12.08	12.07	0.01	46.25	Used LPH density 0.81
	12/7/2004	58.32	10.87	10.86	0.01	47.46	Used LPH density 0.81
	3/28/2005	58.32	9.71			48.61	
	5/9/2005	58.32	9.84			48.48	
	8/15/2005	58.32	10.30	10.27	0.03	48.04	Used LPH density 0.81
MW-5.2	1/29/2004	59.61	1.26			58.35	
	6/24/2004	59.61	2.30			57.31	
	9/22/2004	59.61	2.80			56.81	
	12/7/2004	59.61	2.50			57.11	
	3/28/2005	59.61	0.85			58.76	
	5/9/2005	59.61	1.03			58.58	
	8/15/2005	59.61	1.99			57.62	
MW-5.3	1/29/2004	56.71	8.77			47.94	
	6/25/2004	56.71	10.09			46.62	
	9/22/2004	56.71	11.28			45.43	
	12/7/2004	56.71	10.21			46.50	
	3/28/2005	56.71	6.65			50.06	
	5/9/2005	56.71	6.56			50.15	
	8/15/2005	56.71	7.42			49.29	

TABLE 2

GROUND WATER ELEVATION DATA

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Location	Date	Reference Elevation (feet)	Depth To Water	Depth To LPH (feet)	LPH Thickness (feet)	Ground Water Elevation (feet)	Notes
MW-5.4	1/29/2004	58.99	3.97			55.02	
	6/24/2004	58.99	4.40			54.59	
	9/22/2004	58.99	5.35			53.64	
	12/7/2004	58.99	4.64			54.35	
	3/28/2005	58.99	3.31			55.68	
	5/9/2005	58.99	3.29			55.70	
	8/15/2005	58.99	6.78			52.21	
MW-5.5	1/29/2004	57.56	8.33			49.23	
	6/25/2004	57.56	9.80			47.76	
	9/22/2004	57.56	10.95			46.61	
	12/7/2004	57.56	10.49			47.07	
	3/28/2005	57.56	8.04			49.52	
	5/9/2005	57.56	7.78			49.78	
	8/15/2005	57.56	5.49			52.07	
MW-5.6	1/29/2004	50.07	11.20			38.87	
	6/24/2004	50.07	12.31			37.76	
	9/22/2004	50.07	13.72			36.35	
	12/7/2004	50.07	11.59			38.48	
	3/28/2005	50.07	10.69			39.38	
	5/9/2005	50.07	11.04			39.03	
	8/15/2005	50.07	11.28			38.79	
MW-5.7	1/29/2004	44.83	4.89			39.94	
	6/24/2004	44.83	5.71			39.12	
	9/22/2004	44.83	6.10			38.73	
	12/7/2004	44.83	5.10			39.73	
	3/28/2005	44.83	4.33			40.50	
	5/9/2005	44.83	4.52			40.31	
	8/15/2005	44.83	5.18			39.65	
MW-5.8	1/29/2004	45.62	5.18			40.44	
	6/24/2004	45.62	8.94			36.68	
	9/22/2004	45.62	9.96			35.66	
	12/7/2004	45.62	4.68			40.94	
	3/28/2005	45.62	4.23			41.39	
	5/9/2005	45.62	4.31			41.31	
	8/15/2005	45.62	6.72			38.90	

TABLE 2

GROUND WATER ELEVATION DATA

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Location	Date	Reference Elevation (feet)	Depth To Water	Depth To LPH (feet)	LPH Thickness (feet)	Ground Water Elevation (feet)	Notes
MW-5.9	1/29/2004	31.32	4.34			26.98	
	6/24/2004	31.32	8.62			22.70	
	9/22/2004	31.32	13.27			18.05	
	12/7/2004	31.32	5.45			25.87	
	3/28/2005	31.32	3.18			28.14	
	5/9/2005	31.32	3.16			28.16	
	8/15/2005	31.32	6.73			24.59	
MW-7.1	1/28/2004	54.03	6.26			47.77	
	6/23/2004	54.03	6.44			47.59	
	9/22/2004	54.03	6.66			47.37	
	12/7/2004	54.03	6.47			47.56	
	3/28/2005	54.03	5.92			48.11	
	5/9/2005	54.03	5.94			48.09	
	8/15/2005	54.03	6.37			47.66	
MW-10.1	1/27/2004	78.82	16.98			61.83	
	6/23/2004	78.82	19.08			59.74	
	8/17/2004	78.82	19.65			59.16	
	9/22/2004	78.82	20.04			58.78	
	12/7/2004	78.82	20.00			58.82	
	3/28/2005	78.82	17.44			61.38	
	5/9/2005	78.82	17.84			60.97	
	8/15/2005	78.82	19.18			59.64	
MW-10.2	1/27/2004	70.69	7.91			62.78	
	6/23/2004	70.69	9.70			60.99	
	8/17/2004	70.69	10.30			60.39	
	9/22/2004	70.69	10.76			59.93	
	12/7/2004	70.69	10.55			60.14	
	3/28/2005	70.69	7.07			63.62	
	5/9/2005	70.69	8.53			62.16	
	8/15/2005	70.69	9.86			60.83	

TABLE 2

GROUND WATER ELEVATION DATA

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Location	Date	Reference Elevation (feet)	Depth To Water	Depth To LPH (feet)	LPH Thickness (feet)	Ground Water Elevation (feet)	Notes
MW-10.3	1/27/2004	71.62	25.99			45.63	
	6/23/2004	71.62	-999.00				Dry
	8/17/2004	71.62	-999.00				Dry
	9/22/2004	71.62	-999.00				Dry
	12/7/2004	71.62	-999.00				Dry
	3/28/2005	71.62	26.72			44.90	
	5/9/2005	71.62	27.11			44.51	
	8/15/2005	71.62	27.19			44.43	
MW-10.4	1/27/2004	73.42	25.05			48.37	
	6/23/2004	73.42	26.44			46.98	
	8/17/2004	73.42	26.95			46.46	
	9/22/2004	73.42	27.42			46.00	
	12/7/2004	73.42	27.42			46.00	
	3/28/2005	73.42	25.22			48.20	
	5/9/2005	73.42	25.39			48.03	
	8/15/2005	73.42	26.37			47.05	

Notes

Ground water elevation is corrected for the observed LPH thickness using the LPH density stated in the "Notes" column. Reference elevation (i.e., casing elevation) is in mean sea level.

LPH = liquid phase hydrocarbon

TABLE 3

GROUND WATER ANALYTICAL DATA
TOTAL PETROLEUM HYDROCARBONS, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND METHYL TERTIARY BUTYL ETHER

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	TPH Gasoline (µg/L)	TPH Diesel (µg/L)	TPH Diesel (SGCU) (µg/L)	TPH MotorOil (µg/L)	TPH MotorOil (SGCU) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	M,P-Xylenes (µg/L)	O-Xylene (µg/L)	MTBE (µg/L)
MW-2.1	1/29/2004	Primary	<50	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/23/2004	Primary	<50	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/22/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/28/2005	Primary	<50	NA	<50	NA	<300	<0.5	2.7 uj	<0.5	<0.5	<0.5	<0.5
	5/9/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
	8/15/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
MW-2.2	1/29/2004	Primary	<50	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/23/2004	Primary	<50	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/22/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/28/2005	Primary	<50	NA	<50	NA	<300	<0.5	1.5 uj	<0.5	0.6	<0.5	<0.5
	5/10/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
	8/15/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
MW-2.3	1/29/2004	Primary	110	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/23/2004	Primary	60	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/22/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/28/2005	Primary	<50	NA	<50	NA	<300	<0.5	1.3 uj	<0.5	<0.5	<0.5	<0.5
	5/9/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
	8/15/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05

TABLE 3

GROUND WATER ANALYTICAL DATA
TOTAL PETROLEUM HYDROCARBONS, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND METHYL TERTIARY BUTYL ETHER

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	TPH Gasoline (µg/L)	TPH Diesel (µg/L)	TPH Diesel (SGCU) (µg/L)	TPH MotorOil (µg/L)	TPH MotorOil (SGCU) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	M,P-Xylenes (µg/L)	O-Xylene (µg/L)	MTBE (µg/L)
MW-3.1	1/28/2004	Primary	<50	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/24/2004	Primary	<50	NA	90	NA	<300	NA	NA	NA	NA	NA	NA
	9/22/2004	Primary	<50	73	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	40
	12/8/2004	Primary	<50	55	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	7.9
	3/28/2005	Primary	<50	NA	<50	NA	<300	<0.5	1.4 uj	<0.5	<0.5	<0.5	<0.5
	5/10/2005	Primary	<50	NA	55	NA	<33	0.1 J	<0.08	<0.07	<0.2	<0.08	0.2 J
	8/16/2005	Primary	<50	NA	19 Ju	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
	8/16/2005	Duplicate	<50	NA	23 Ju	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
MW-3.2	1/28/2004	Primary	180	NA	400	NA	NA	NA	NA	NA	NA	NA	NA
	6/24/2004	Primary	120	NA	240	NA	<300	NA	NA	NA	NA	NA	NA
	9/22/2004	Primary	83	450	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	1
	12/8/2004	Primary	<50	560	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	0.7
	3/28/2005	Primary	56	NA	<50	NA	<300	<0.5	1 uj	<0.5	<0.5	<0.5	<0.5
	3/28/2005	Duplicate	58	NA	<50	NA	<300	<0.5	0.9 uj	<0.5	<0.5	<0.5	<0.5
	5/10/2005	Primary	<50	NA	120	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	0.3 J
	8/16/2005	Primary	<50	NA	75	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	1.7

TABLE 3

GROUND WATER ANALYTICAL DATA
TOTAL PETROLEUM HYDROCARBONS, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND METHYL TERTIARY BUTYL ETHER

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	TPH Gasoline (µg/L)	TPH Diesel (µg/L)	TPH Diesel (SGCU) (µg/L)	TPH MotorOil (µg/L)	TPH MotorOil (SGCU) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	M,P-Xylenes (µg/L)	O-Xylene (µg/L)	MTBE (µg/L)
MW-3.3	1/28/2004	Primary	<50	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/24/2004	Primary	<50	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	9/22/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	74	NA	760	NA	<0.5	<0.5	<0.5	<0.5	0.8	<0.5
	3/28/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.9 uj	<0.5	<0.5	<0.5	<0.5
	5/10/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
	5/10/2005	Duplicate	<50	NA	<13	NA	<33	<0.04	<0.08	<0.07	<0.2	<0.08	<0.2
	8/16/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
MW-3.4	1/28/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	6/24/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/9/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/29/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.8 uj	<0.5	<0.5	<0.5	<0.5
	5/10/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
	8/16/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
MW-3.5	1/28/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	6/24/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/29/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.5 uj	<0.5	<0.5	<0.5	<0.5
	5/10/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
	8/16/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05

TABLE 3

GROUND WATER ANALYTICAL DATA
TOTAL PETROLEUM HYDROCARBONS, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND METHYL TERTIARY BUTYL ETHER

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	TPH Gasoline (µg/L)	TPH Diesel (µg/L)	TPH Diesel (SGCU) (µg/L)	TPH MotorOil (µg/L)	TPH MotorOil (SGCU) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	M,P-Xylenes (µg/L)	O-Xylene (µg/L)	MTBE (µg/L)
MW-3.6	1/28/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	6/24/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/9/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/29/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.7 uj	<0.5	<0.5	<0.5	<0.5
	5/10/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
	8/16/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
MW-3.7	1/28/2004	Primary	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/24/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	1.1
	12/8/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	0.5
	3/29/2005	Primary	<50	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	5/10/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	0.7
	8/17/2005	Primary	<50	NA	<13	NA	<33	<0.03	<0.05	<0.1	<0.2	<0.1	0.4 J
MW-3.8	1/28/2004	Primary	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/24/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/29/2005	Primary	<50	NA	<40	NA	<240	<0.5	0.6 uj	<0.5	<0.5	<0.5	<0.5
	5/10/2005	Primary	<50	NA	<21	NA	<42	<0.06	<0.1	<0.07	<0.1	<0.09	<0.06
	8/17/2005	Primary	<50	NA	20 Ju	NA	<33	<0.03	<0.05	<0.1	<0.2	<0.1	0.3 J

TABLE 3

GROUND WATER ANALYTICAL DATA
TOTAL PETROLEUM HYDROCARBONS, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND METHYL TERTIARY BUTYL ETHER

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	TPH Gasoline (µg/L)	TPH Diesel (µg/L)	TPH Diesel (SGCU) (µg/L)	TPH MotorOil (µg/L)	TPH MotorOil (SGCU) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	M,P-Xylenes (µg/L)	O-Xylene (µg/L)	MTBE (µg/L)
MW-3.9	1/28/2004	Primary	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/24/2004	Primary	NA	NA	150	NA	<300	NA	NA	NA	NA	NA	NA
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/29/2005	Primary	<50	NA	<40	NA	<240	<0.5	0.6 uj	<0.5	<0.5	<0.5	<0.5
	5/10/2005	Primary	<50	NA	<21	NA	<42	<0.06	<0.1	<0.07	<0.1	<0.09	0.2 J
	8/17/2005	Primary	<50	NA	<16	NA	<55	<0.03	<0.05	<0.1	<0.2	<0.1	<0.05
SP-3.1	8/19/2005	Primary	<50	NA	<19	NA	<76	<0.03	<0.05	<0.1	<0.2	<0.1	<0.05
MW-4.1	1/28/2004	Primary	NA	NA	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/23/2004	Primary	NA	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/30/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.6 uj	<0.5	<0.5	<0.5	<0.5
	5/12/2005	Primary	<50	NA	<19	NA	<76	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
	8/18/2005	Primary	<50	NA	<19	NA	<76	<0.03	<0.05	<0.1	<0.2	<0.1	<0.05
MW-4.2	1/28/2004	Primary	NA	NA	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/23/2004	Primary	NA	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/30/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.6 uj	<0.5	<0.5	<0.5	<0.5
	5/12/2005	Primary	<50	NA	<19	NA	<76	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
	8/18/2005	Primary	<50	NA	<19	NA	<76	<0.03	<0.05	<0.1	<0.2	<0.1	<0.05

TABLE 3

GROUND WATER ANALYTICAL DATA
TOTAL PETROLEUM HYDROCARBONS, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND METHYL TERTIARY BUTYL ETHER

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	TPH Gasoline (µg/L)	TPH Diesel (µg/L)	TPH Diesel (SGCU) (µg/L)	TPH MotorOil (µg/L)	TPH MotorOil (SGCU) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	M,P-Xylenes (µg/L)	O-Xylene (µg/L)	MTBE (µg/L)
MW-4.3	1/28/2004	Primary	NA	NA	76	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2004	Primary	NA	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/30/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.7 uj	<0.5	<0.5	<0.5	<0.5
	5/12/2005	Primary	<50	NA	<19	NA	290	<0.04	0.2 J	<0.06	0.1 J	<0.1	<0.05
	8/17/2005	Primary	<50	NA	<19	NA	<76	<0.03	<0.05	<0.1	<0.2	<0.1	<0.05
MW-4.4	1/28/2004	Primary	NA	NA	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2004	Primary	NA	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	<50	NA	320	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/30/2005	Primary	<50	NA	<40	NA	<240	<0.5	0.6 uj	<0.5	<0.5	<0.5	<0.5
	5/12/2005	Primary	<50	NA	<19	NA	<76	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
	8/17/2005	Primary	<50	NA	<19	NA	<76	<0.03	<0.05	<0.1	<0.2	<0.1	<0.05
MW-5.1	1/29/2004	Primary	<50	NA	82	NA	<300	0.9	<0.5	<0.5	<0.5	<0.5	<0.5
	3/29/2005	Primary	<50	NA	310	NA	<300	1	0.5 uj	<0.5	<0.5	<0.5	<0.5
	5/11/2005	Primary	<50	NA	72	NA	<42	1	0.2 J	0.2 J	<0.2	<0.08	0.3 J
MW-5.2	1/29/2004	Primary	<50	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2004	Primary	<50	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/9/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/29/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.6 uj	<0.5	<0.5	<0.5	<0.5
	5/11/2005	Primary	<50	NA	<21	NA	<42	<0.06	<0.1	<0.07	<0.1	<0.09	<0.06
	8/16/2005	Primary	<50	NA	<13	NA	<33	<0.03	<0.05	<0.1	<0.2	<0.1	<0.05

TABLE 3

GROUND WATER ANALYTICAL DATA
TOTAL PETROLEUM HYDROCARBONS, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND METHYL TERTIARY BUTYL ETHER

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	TPH Gasoline (µg/L)	TPH Diesel (µg/L)	TPH Diesel (SGCU) (µg/L)	TPH MotorOil (µg/L)	TPH MotorOil (SGCU) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	M,P-Xylenes (µg/L)	O-Xylene (µg/L)	MTBE (µg/L)
MW-5.3	1/29/2004	Primary	<50	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	1.3
	6/25/2004	Primary	<50	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	0.6
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	0.9
	12/9/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/29/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.9 uj	<0.5	<0.5	<0.5	<0.5
	3/29/2005	Duplicate	<50	NA	<50	NA	<300	<0.5	0.9 uj	<0.5	<0.5	<0.5	<0.5
	5/11/2005	Primary	<50	NA	<21	NA	<42	<0.06	<0.1	<0.07	<0.1	<0.09	0.4 J
	8/16/2005	Primary	<50	NA	<34	NA	<55	<0.03	<0.05	<0.1	<0.2	<0.1	0.5
MW-5.4	1/29/2004	Primary	<50	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	1.6
	6/24/2004	Primary	<50	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	0.7
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	1
	12/9/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	1.6
	3/29/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.7 uj	<0.5	<0.5	<0.5	<0.5
	5/11/2005	Primary	<50	NA	<21	NA	<42	<0.06	<0.1	<0.07	<0.1	<0.09	0.5 J
	8/16/2005	Primary	<50	NA	<13	NA	<33	<0.03	<0.05	<0.1	<0.2	<0.1	0.5 J
	8/16/2005	Duplicate	<50	NA	<13	NA	<33	<0.03	<0.05	<0.1	<0.2	<0.1	0.5

TABLE 3

GROUND WATER ANALYTICAL DATA
TOTAL PETROLEUM HYDROCARBONS, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND METHYL TERTIARY BUTYL ETHER

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	TPH Gasoline (µg/L)	TPH Diesel (µg/L)	TPH Diesel (SGCU) (µg/L)	TPH MotorOil (µg/L)	TPH MotorOil (SGCU) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	M,P-Xylenes (µg/L)	O-Xylene (µg/L)	MTBE (µg/L)
MW-5.5	1/29/2004	Primary	<50	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/25/2004	Primary	<50	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	9/22/2004	Primary	<50	610	NA	2100	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/9/2004	Primary	<50	370	NA	1700	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/29/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.8 uj	<0.5	<0.5	<0.5	<0.5
	5/11/2005	Primary	<50	NA	<21	NA	<42	<0.06	<0.1	<0.07	<0.1	<0.09	0.3 J
	5/11/2005	Duplicate	<50	NA	<21	NA	<42	<0.06	<0.1	<0.07	<0.1	<0.09	0.3 J
	8/17/2005	Primary	<50	NA	<16	NA	<55	<0.03	<0.05	<0.1	<0.2	<0.1	0.3 J
MW-5.6	1/29/2004	Primary	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/24/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	0.5
	12/9/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	0.7
	3/30/2005	Primary	<50	NA	<40	NA	<240	<0.5	0.8 uj	<0.5	<0.5	<0.5	0.5
	5/11/2005	Primary	<50	NA	<19	NA	<76	<0.04	<0.06	<0.06	<0.1	<0.1	0.4 J
	8/17/2005	Primary	<50	NA	<16	NA	<55	<0.03	<0.05	<0.1	<0.2	<0.1	0.4 J
MW-5.7	1/29/2004	Primary	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/24/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	2.2
	12/9/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	0.9
	3/30/2005	Primary	<50	NA	<40	NA	<240	<0.5	<0.5	<0.5	<0.5	<0.5	1.8
	5/11/2005	Primary	<50	NA	29 J	NA	<76	<0.04	0.1 J	<0.06	<0.1	<0.1	1.6
	8/17/2005	Primary	<50	NA	<16	NA	<55	<0.03	<0.05	<0.1	<0.2	<0.1	1.5

TABLE 3

GROUND WATER ANALYTICAL DATA
TOTAL PETROLEUM HYDROCARBONS, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND METHYL TERTIARY BUTYL ETHER

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	TPH Gasoline (µg/L)	TPH Diesel (µg/L)	TPH Diesel (SGCU) (µg/L)	TPH MotorOil (µg/L)	TPH MotorOil (SGCU) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	M,P-Xylenes (µg/L)	O-Xylene (µg/L)	MTBE (µg/L)
MW-5.8	1/30/2004	Primary	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/24/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/9/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/30/2005	Primary	<50	NA	<40	NA	<240	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	5/11/2005	Primary	<50	NA	<13	NA	<33	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
	8/17/2005	Primary	<50	NA	<19	NA	<76	<0.03	<0.05	<0.1	<0.2	<0.1	<0.05
MW-5.9	1/28/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	6/24/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	9/23/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/30/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.8 uj	<0.5	<0.5	<0.5	<0.5
	5/12/2005	Primary	<50	NA	<19	NA	<76	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
	8/18/2005	Primary	<50	NA	<19	NA	<76	<0.03	<0.05	<0.1	<0.2	<0.1	<0.05
MW-7.1	1/28/2004	Primary	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/23/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	9/22/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/31/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.5 uj	<0.5	<0.5	<0.5	<0.5
	5/12/2005	Primary	<50	NA	<19	NA	<76	<0.04	<0.08	<0.07	<0.2	<0.08	<0.2
	8/18/2005	Primary	<50	NA	<19	NA	<76	<0.03	<0.05	<0.1	<0.2	<0.1	<0.05

TABLE 3

GROUND WATER ANALYTICAL DATA
TOTAL PETROLEUM HYDROCARBONS, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND METHYL TERTIARY BUTYL ETHER

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	TPH Gasoline (µg/L)	TPH Diesel (µg/L)	TPH Diesel (SGCU) (µg/L)	TPH MotorOil (µg/L)	TPH MotorOil (SGCU) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	M,P-Xylenes (µg/L)	O-Xylene (µg/L)	MTBE (µg/L)
MW-10.1	1/27/2004	Primary	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/23/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	8/17/2004	Primary	<50	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/22/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/7/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/31/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.6 uj	<0.5	<0.5	<0.5	<0.5
	5/13/2005	Primary	<50	NA	<19	NA	<76	<0.04	<0.08	<0.07	<0.2	<0.08	<0.2
	8/18/2005	Primary	<50	NA	24 J	NA	<76	<0.03	<0.05	<0.1	<0.2	<0.1	<0.05
	8/18/2005	Duplicate	<50	NA	<19	NA	<76	<0.03	<0.05	<0.1	<0.2	<0.1	<0.05
MW-10.2	1/27/2004	Primary	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/23/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	8/17/2004	Primary	<50	NA	<50	NA	<300	3.3	<0.5	<0.5	<0.5	<0.5	<0.5
	9/22/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/30/2005	Primary	<50	NA	<50	NA	<300	<0.5	0.5 uj	<0.5	<0.5	<0.5	<0.5
	3/31/2005	Duplicate	<50	NA	<50	NA	<300	<0.5	0.6 uj	<0.5	<0.5	<0.5	<0.5
	5/13/2005	Primary	<50	NA	<19	NA	<76	<0.04	<0.08	<0.07	<0.2	<0.08	<0.2
	8/18/2005	Primary	<50	NA	21 J	NA	<76	<0.03	<0.05	<0.1	<0.2	<0.1	<0.05
MW-10.3	1/27/2004	Primary	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3

GROUND WATER ANALYTICAL DATA
TOTAL PETROLEUM HYDROCARBONS, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND METHYL TERTIARY BUTYL ETHER

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	TPH Gasoline (µg/L)	TPH Diesel (µg/L)	TPH Diesel (SGCU) (µg/L)	TPH MotorOil (µg/L)	TPH MotorOil (SGCU) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	M,P-Xylenes (µg/L)	O-Xylene (µg/L)	MTBE (µg/L)
MW-10.4	1/27/2004	Primary	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
	6/23/2004	Primary	NA	NA	<50	NA	<300	NA	NA	NA	NA	NA	NA
	8/17/2004	Primary	<50	NA	<50	NA	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/22/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/8/2004	Primary	<50	<50	NA	<300	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/28/2005	Primary	<50	NA	<50	NA	<300	<0.5	1.8 uj	<0.5	0.7	<0.5	<0.5
	5/12/2005	Primary	<50	NA	<19	NA	<76	<0.04	0.1 J	<0.07	<0.2	<0.08	<0.2
	5/12/2005	Duplicate	<50	NA	<19	NA	<76	<0.04	<0.08	<0.07	<0.2	<0.08	<0.2
	8/18/2005	Primary	<50	NA	<34	NA	<55	<0.03	0.1 J	<0.1	<0.2	<0.1	<0.05
1Stop-MW-01	5/12/2005	Primary	<50	NA	<19	NA	<76	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05
1Stop-MW-04	5/12/2005	Primary	<50	NA	NA	NA	NA	0.2 J	<0.06	<0.06	<0.1	<0.1	0.3 J
1Stop-MW-12	5/12/2005	Primary	<50	NA	<19	NA	<76	<0.04	<0.06	<0.06	<0.1	<0.1	<0.05

TABLE 3

GROUND WATER ANALYTICAL DATA
TOTAL PETROLEUM HYDROCARBONS, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND METHYL TERTIARY BUTYL ETHER

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	TPH Gasoline (µg/L)	TPH Diesel (µg/L)	TPH Diesel (SGCU) (µg/L)	TPH MotorOil (µg/L)	TPH MotorOil (SGCU) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	M,P-Xylenes (µg/L)	O-Xylene (µg/L)	MTBE (µg/L)

Notes

Benzene, toluene, ethylbenzene, xylenes, and MTBE analyzed by EPA Method 8260B.
TPH Diesel and TPH Motor Oil analyzed by EPA Method 8015B with SGCU by EPA Method 3630 where noted.
TPH Gasoline analyzed by EPA method 8015B.

"<" = concentration as reported by analytical laboratory is less that the MDL or PQL
µg/L = microgram(s) per liter
EPA = United States Environmental Protection Agency
J or j = estimated value (the analyte was positively identified, but the associated numerical result is an estimate [analytical laboratory estimate = upper-case "J," data validation qualifier = lower-case "j"])
MDL = Method Detection Limit
MTBE = methyl tertiary butyl ether
NA = not analyzed
PQL = Practical Quantitation Limit
SGCU = sample preparation by silica gel cleanup
TPH = total petroleum hydrocarbon
u = not detected
uj = not detected; associated numerical value is an estimate of the MDL or PQL

TABLE 4

GROUND WATER ANALYTICAL DATA, OTHER VOLATILE ORGANIC COMPOUNDS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	1,1-DCA (µg/L)	cis-1,2-DCE (µg/L)	Freon 113 (µg/L)	Naph-thalene (µg/L)	PCE (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	Other Volatile Organic Compounds	Result (µg/L)
MW-2.1	6/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-2.1	9/22/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-2.1	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-2.1	3/28/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-2.1	5/9/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-2.1	8/15/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-2.2	6/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-2.2	9/22/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	1,2,4-Trimethylbenzene	0.8
MW-2.2	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-2.2	3/28/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-2.2	5/10/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-2.2	8/15/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-2.3	6/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	sec-Butylbenzene	0.8
MW-2.3	9/22/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-2.3	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-2.3	3/28/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-2.3	5/9/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-2.3	8/15/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		

TABLE 4

GROUND WATER ANALYTICAL DATA, OTHER VOLATILE ORGANIC COMPOUNDS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	1,1-DCA (µg/L)	cis-1,2-DCE (µg/L)	Freon 113 (µg/L)	Naph-thalene (µg/L)	PCE (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	Other Volatile Organic Compounds	Result (µg/L)
MW-3.1	9/22/2004	Primary	0.7	0.5	<5.0	<0.5	0.6	<0.5	<0.5		
MW-3.1	12/8/2004	Primary	1.7	0.7	<5.0	<0.5	1.5	<0.5	<0.5		
MW-3.1	3/28/2005	Primary	2.7	1.3	<5	<2	2.1	<0.5	0.8		
MW-3.1	5/10/2005	Primary	2.2	1	<0.1	<0.05	1.7	<0.04	0.6		
MW-3.1	8/16/2005	Primary	1.8	1.7	<0.1	<0.2	1.9	<0.05	0.8		
MW-3.1	8/16/2005	Duplicate	1.6	1.5	<0.1	<0.2	2	<0.05	0.8		
MW-3.2	9/22/2004	Primary	0.9	2.4	<5.0	<0.5	2.2	<0.5	0.8	sec-Butylbenzene	0.8
MW-3.2	12/8/2004	Primary	2.3	5.5	<5.0	<0.5	1.5	<0.5	0.5		
MW-3.2	3/28/2005	Primary	<0.5	3.3	<5	<2	2.1	<0.5	0.6		
MW-3.2	3/28/2005	Duplicate	<0.5	3.4	<5	<2	2.1	<0.5	0.5		
MW-3.2	5/10/2005	Primary	0.4 J	3.4	<0.1	<0.2	1.8	<0.05	0.5 J	sec-Butylbenzene	0.3 J
MW-3.2	8/16/2005	Primary	0.3 J	1.5	1.2 J	<0.2	2.4	0.3 J	0.4 J		

TABLE 4

GROUND WATER ANALYTICAL DATA, OTHER VOLATILE ORGANIC COMPOUNDS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	1,1-DCA (µg/L)	cis-1,2-DCE (µg/L)	Freon 113 (µg/L)	Naph-thalene (µg/L)	PCE (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	Other Volatile Organic Compounds	Result (µg/L)
MW-3.3	9/22/2004	Primary	1.9	0.7	5.1	<0.5	1.8	5.2	<0.5		
MW-3.3	12/8/2004	Primary	0.7	<0.5	<5.0	<0.5	0.9	1.3	<0.5	1,2,4-Trimethylbenzene	2.3
										Isopropylbenzene	1.6
										Propylbenzene	1.2
MW-3.3	3/28/2005	Primary	0.8	<0.5	7	<2	1.6	5.4	<0.5		
MW-3.3	5/10/2005	Primary	1.1	0.6	8.5	<0.2	1.9	8.1	0.4 J	1,1-Dichloroethene	0.4 J
										Chloroform	0.3 J
MW-3.3	5/10/2005	Duplicate	0.8	0.3 J	9.1	<0.05	1.7	7.3	0.3 J	1,1-Dichloroethene	0.4 J
										Chloroform	0.3 J
MW-3.3	8/16/2005	Primary	1.1	0.5 J	7	<0.2	1.8	7.5	0.4 J	1,1-Dichloroethene	0.3 J
										Carbon Disulfide	0.2 J
										Chloroform	0.3 J
MW-3.4	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	Carbon Disulfide	0.9
MW-3.4	12/9/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-3.4	3/29/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-3.4	5/10/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07	Carbon Disulfide	0.9
MW-3.4	8/16/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07	Acetone	3.8 J
										Isopropanol	3.3 J
MW-3.5	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-3.5	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-3.5	3/29/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-3.5	5/10/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-3.5	8/16/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		

TABLE 4

GROUND WATER ANALYTICAL DATA, OTHER VOLATILE ORGANIC COMPOUNDS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	1,1-DCA (µg/L)	cis-1,2-DCE (µg/L)	Freon 113 (µg/L)	Naph-thalene (µg/L)	PCE (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	Other Volatile Organic Compounds	Result (µg/L)
MW-3.6	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-3.6	12/9/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-3.6	3/29/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-3.6	5/10/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-3.6	8/16/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-3.7	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	0.6	<0.5	<0.5		
MW-3.7	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-3.7	3/29/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-3.7	5/10/2005	Primary	0.2 J	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-3.7	8/17/2005	Primary	0.1 J	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
MW-3.8	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-3.8	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-3.8	3/29/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-3.8	5/10/2005	Primary	<0.05	<0.08	<0.1	<0.06	<0.1	<0.1	<0.2	Acetone	0.7 Ju
MW-3.8	8/17/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
MW-3.9	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-3.9	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-3.9	3/29/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-3.9	5/10/2005	Primary	<0.05	<0.08	<0.1	<0.06	<0.1	<0.1	<0.2		
MW-3.9	8/17/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
SP-3.1	8/19/2005	Primary	0.3 J	1.1	<0.09	<0.2	4.2	0.1 J	1.6		

TABLE 4

GROUND WATER ANALYTICAL DATA, OTHER VOLATILE ORGANIC COMPOUNDS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	1,1-DCA (µg/L)	cis-1,2-DCE (µg/L)	Freon 113 (µg/L)	Naph-thalene (µg/L)	PCE (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	Other Volatile Organic Compounds	Result (µg/L)
MW-4.1	1/28/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.1	6/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.1	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.1	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.1	3/30/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-4.1	5/12/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-4.1	8/18/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
MW-4.2	1/28/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.2	6/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.2	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.2	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.2	3/30/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-4.2	5/12/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-4.2	8/18/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
MW-4.3	1/28/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.3	6/24/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.3	3/30/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-4.3	5/12/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-4.3	8/17/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		

TABLE 4

GROUND WATER ANALYTICAL DATA, OTHER VOLATILE ORGANIC COMPOUNDS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	1,1-DCA (µg/L)	cis-1,2-DCE (µg/L)	Freon 113 (µg/L)	Naph-thalene (µg/L)	PCE (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	Other Volatile Organic Compounds	Result (µg/L)
MW-4.4	1/28/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.4	6/24/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.4	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.4	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-4.4	3/30/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-4.4	5/12/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-4.4	8/17/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
MW-5.1	1/29/2004	Primary	<0.5	4.1	<5.0	1.6	<0.5	<0.5	2.6	Propylbenzene	0.6
MW-5.1	3/29/2005	Primary	<0.5	4	<5	<2	<0.5	<0.5	2.9		
MW-5.1	5/11/2005	Primary	<0.06	3.3	<0.1	1.2 J	0.5	<0.04	2.9	1,2,4-Trimethylbenzene Isopropylbenzene n-Butylbenzene Propylbenzene sec-Butylbenzene	0.1 J 0.2 J 0.3 J 0.3 J 0.1 J
MW-5.2	1/29/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.2	6/24/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.2	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.2	12/9/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.2	3/29/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-5.2	5/11/2005	Primary	<0.05	<0.08	<0.1	<0.06	<0.1	<0.1	<0.2	Acetone Isopropanol	0.6 Ju 4.1 Ju
MW-5.2	8/16/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		

TABLE 4

GROUND WATER ANALYTICAL DATA, OTHER VOLATILE ORGANIC COMPOUNDS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	1,1-DCA (µg/L)	cis-1,2-DCE (µg/L)	Freon 113 (µg/L)	Naph-thalene (µg/L)	PCE (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	Other Volatile Organic Compounds	Result (µg/L)
MW-5.3	1/29/2004	Primary	0.8	0.6	<5.0	0.8	<0.5	<0.5	<0.5		
MW-5.3	6/25/2004	Primary	0.7	0.7	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.3	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.3	12/9/2004	Primary	0.6	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.3	3/29/2005	Primary	1	1	<5	3.9	<0.5	<0.5	<0.5		
MW-5.3	3/29/2005	Duplicate	1	0.9	<5	4	<0.5	<0.5	<0.5		
MW-5.3	5/11/2005	Primary	0.8	0.9	<0.1	3.4	<0.1	<0.1	<0.2	Chloroethane	0.8 J
MW-5.3	8/16/2005	Primary	0.3 J	0.6	<0.09	1.1 J	<0.09	<0.04	<0.09		
MW-5.4	1/29/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.4	6/24/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.4	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.4	12/9/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.4	3/29/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-5.4	5/11/2005	Primary	<0.05	<0.08	<0.1	<0.06	<0.1	<0.1	<0.2	Acetone	0.8 Ju
MW-5.4	8/16/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
MW-5.4	8/16/2005	Duplicate	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
MW-5.5	9/22/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.5	12/9/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.5	3/29/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-5.5	5/11/2005	Primary	<0.05	<0.08	<0.1	<0.06	<0.1	<0.1	<0.2	Acetone	0.7 Ju
MW-5.5	5/11/2005	Duplicate	<0.05	<0.08	<0.1	<0.06	<0.1	<0.1	<0.2	Acetone	0.9 Ju
MW-5.5	8/17/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		

TABLE 4

GROUND WATER ANALYTICAL DATA, OTHER VOLATILE ORGANIC COMPOUNDS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	1,1-DCA (µg/L)	cis-1,2-DCE (µg/L)	Freon 113 (µg/L)	Naph-thalene (µg/L)	PCE (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	Other Volatile Organic Compounds	Result (µg/L)
MW-5.6	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.6	12/9/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.6	3/30/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-5.6	5/11/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-5.6	8/17/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
MW-5.7	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.7	12/9/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.7	3/30/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-5.7	5/11/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-5.7	8/17/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
MW-5.8	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.8	12/9/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.8	3/30/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-5.8	5/11/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-5.8	8/17/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
MW-5.9	9/23/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.9	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-5.9	3/30/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-5.9	5/12/2005	Primary	<0.06	<0.1	<0.1	<0.2	<0.09	<0.05	<0.07		
MW-5.9	8/18/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		

TABLE 4

GROUND WATER ANALYTICAL DATA, OTHER VOLATILE ORGANIC COMPOUNDS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	1,1-DCA (µg/L)	cis-1,2-DCE (µg/L)	Freon 113 (µg/L)	Naph-thalene (µg/L)	PCE (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	Other Volatile Organic Compounds	Result (µg/L)
MW-7.1	9/22/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-7.1	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-7.1	3/31/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-7.1	5/12/2005	Primary	<0.06	<0.2	<0.1	<0.05	<0.1	<0.04	<0.1		
MW-7.1	8/18/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
MW-10.1	8/17/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-10.1	9/22/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-10.1	12/7/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-10.1	3/31/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-10.1	5/13/2005	Primary	<0.06	<0.2	<0.1	<0.05	<0.1	<0.04	<0.1	Acetone Methylene Chloride	1.2 J 0.4 Ju
MW-10.1	8/18/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
MW-10.1	8/18/2005	Duplicate	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
MW-10.2	8/17/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-10.2	9/22/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-10.2	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-10.2	3/30/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-10.2	3/31/2005	Duplicate	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-10.2	5/13/2005	Primary	<0.06	<0.2	<0.1	<0.05	<0.1	<0.04	<0.1	Methylene Chloride	0.3 Ju
MW-10.2	8/18/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		

TABLE 4

GROUND WATER ANALYTICAL DATA, OTHER VOLATILE ORGANIC COMPOUNDS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	1,1-DCA (µg/L)	cis-1,2-DCE (µg/L)	Freon 113 (µg/L)	Naph-thalene (µg/L)	PCE (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	Other Volatile Organic Compounds	Result (µg/L)
MW-10.4	8/17/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-10.4	9/22/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-10.4	12/8/2004	Primary	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5		
MW-10.4	3/28/2005	Primary	<0.5	<0.5	<5	<2	<0.5	<0.5	<0.5		
MW-10.4	5/12/2005	Primary	<0.06	<0.2	<0.1	<0.05	<0.1	<0.04	<0.1	Acetone Methylene Chloride	1.3 J 0.3 Ju
MW-10.4	5/12/2005	Duplicate	<0.06	<0.2	<0.1	<0.05	<0.1	<0.04	<0.1	Acetone	0.8 J
MW-10.4	8/18/2005	Primary	<0.06	<0.1	<0.09	<0.2	<0.09	<0.04	<0.09		
1Stop-MW-01	5/12/2005	Primary	<0.06	<0.1	<0.1	<0.2	41	<0.05	0.7	Chloroform	0.3 J
1Stop-MW-04	5/12/2005	Primary	<0.06	0.6	<0.1	0.3 J	57	<0.05	0.8		
1Stop-MW-12	5/12/2005	Primary	<0.06	0.4 J	<0.1	<0.2	17	<0.05	0.8		

TABLE 4

GROUND WATER ANALYTICAL DATA, OTHER VOLATILE ORGANIC COMPOUNDS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	1,1-DCA (µg/L)	cis-1,2-DCE (µg/L)	Freon 113 (µg/L)	Naph-thalene (µg/L)	PCE (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	Other Volatile Organic Compounds	Result (µg/L)

Notes

Results of listed other volatile organic compounds provided where reported concentrations are above the respective MDL.
Samples analyzed by EPA Method 8260B.

"<" = concentration as reported by analytical laboratory is less that the MDL or PQL
µg/L = microgram(s) per liter
1,1,1-TCA = 1,1,1-trichloroethane
1,1-DCA = 1,1-dichloroethane
cis-1,2-DCE = cis-1,2-dichloroethene
EPA = United States Environmental Protection Agency
J or j = estimated value (the analyte was positively identified, but the associated numerical result is an estimate [analytical laboratory estimate = upper-case "J," data validation qualifier = lower-case "j"])
MDL = Method Detection Limit
PCE = tetrachloroethene
PQL = Practical Quantitation Limit
TCE = trichloroethene
TPH = total petroleum hydrocarbon
u = not detected
uj = not detected; associated numerical value is an estimate of the MDL or PQL

TABLE 5

GROUND WATER ANALYTICAL DATA, SEMI-VOLATILE ORGANIC COMPOUNDS
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	2-Methyl-naphthalene (µg/L)	Naph-thalene (µg/L)	Penta-chlorophenol (µg/L)	Phenol (µg/L)	2,4,5-Tri-chlorophenol (µg/L)	2,4,6-Tri-chlorophenol (µg/L)	Other Semi-Volatile Organic Compounds	Result (µg/L)
MW-2.1	9/22/2004	Primary	<9.6	<9.6	<19	<9.6	<9.6	<9.6		
MW-2.1	12/8/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-2.1	3/28/2005	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-2.1	5/9/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-2.1	8/15/2005	Primary	<0.63	<0.52	<0.51	<0.87	<0.75	<0.84		
MW-2.2	9/22/2004	Primary	<9.6	<9.6	<19	<9.6	<9.6	<9.6		
MW-2.2	12/8/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-2.2	3/28/2005	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-2.2	5/10/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-2.2	8/15/2005	Primary	<0.63	<0.52	<0.51	<0.87	<0.75	<0.84		
MW-2.3	9/22/2004	Primary	<9.7	<9.7	<19	<9.7	<9.7	<9.7		
MW-2.3	12/8/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-2.3	3/28/2005	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-2.3	5/9/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-2.3	8/15/2005	Primary	<0.63	<0.52	<0.51	<0.87	<0.75	<0.84	bis(2-Ethylhexyl)phthalate	1.9J
MW-3.1	9/22/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-3.1	12/8/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-3.1	3/28/2005	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-3.1	5/10/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-3.1	8/16/2005	Primary	<0.28	<0.26	<0.74	<1.1	<0.95	<0.76		
MW-3.1	8/16/2005	Duplicate	<0.28	<0.26	<0.72	<1.1	<0.93	<0.75		

TABLE 5

GROUND WATER ANALYTICAL DATA, SEMI-VOLATILE ORGANIC COMPOUNDS
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	2-Methyl-naphthalene (µg/L)	Naph-thalene (µg/L)	Penta-chlorophenol (µg/L)	Phenol (µg/L)	2,4,5-Tri-chlorophenol (µg/L)	2,4,6-Tri-chlorophenol (µg/L)	Other Semi-Volatile Organic Compounds	Result (µg/L)
MW-3.2	9/22/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-3.2	12/8/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-3.2	3/28/2005	Primary	<10	<10	<20	<10	<10	<10		
MW-3.2	3/28/2005	Duplicate	<10	<10	<20	<10	<10	<10		
MW-3.2	5/10/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-3.2	8/16/2005	Primary	<0.28	<0.26	<0.73	<1.1	<0.94	<0.76	bis(2-Ethylhexyl)phthalate	0.52J
MW-3.3	9/22/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-3.3	12/8/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-3.3	3/28/2005	Primary	<9.7	<9.7	<19	<9.7	<9.7	<9.7		
MW-3.3	5/10/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-3.3	5/10/2005	Duplicate	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-3.3	8/16/2005	Primary	<0.28	<0.26	<0.72	<1.1	<0.93	<0.75		
MW-3.4	9/23/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-3.4	12/9/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-3.4	3/29/2005	Primary	<9.7	<9.7	<19	<9.7	<9.7	<9.7		
MW-3.4	5/10/2005	Primary	<0.64	<0.29	<0.44	<0.4	<1	<1		
MW-3.4	8/16/2005	Primary	<0.64	<0.3	<0.45	0.89 J	<1.1	<1		
MW-3.5	9/23/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-3.5	12/8/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-3.5	3/29/2005	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-3.5	5/10/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-3.5	8/16/2005	Primary	<0.64	<0.3	<0.45	<0.4	<1.1	<1		

TABLE 5

GROUND WATER ANALYTICAL DATA, SEMI-VOLATILE ORGANIC COMPOUNDS
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	2-Methyl-naphthalene (µg/L)	Naph-thalene (µg/L)	Penta-chlorophenol (µg/L)	Phenol (µg/L)	2,4,5-Tri-chlorophenol (µg/L)	2,4,6-Tri-chlorophenol (µg/L)	Other Semi-Volatile Organic Compounds	Result (µg/L)
MW-3.6	9/23/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-3.6	12/9/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-3.6	3/29/2005	Primary	<9.6	<9.6	<19	<9.6	<9.6	<9.6		
MW-3.6	5/10/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-3.6	8/16/2005	Primary	<0.63	<0.52	<0.51	<0.87	<0.75	<0.84	bis(2-Ethylhexyl)phthalate	3.6J
MW-3.7	9/23/2004	Primary	<9.6	<9.6	<19	<9.6	<9.6	<9.6		
MW-3.7	12/8/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-3.7	3/29/2005	Primary	<9.6	<9.6	<19	<9.6	<9.6	<9.6		
MW-3.7	5/10/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-3.7	8/17/2005	Primary	<0.28	<0.26	<0.72	<1.1	<0.93	<0.75	bis(2-Ethylhexyl)phthalate	11
MW-3.8	9/23/2004	Primary	<9.7	<9.7	<19	<9.7	<9.7	<9.7		
MW-3.8	12/8/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-3.8	3/29/2005	Primary	<10	<10	<20	<10	<10	<10		
MW-3.8	5/10/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-3.8	8/17/2005	Primary	<0.28	<0.26	<0.72	<1.1	<0.92	<0.74		
MW-3.9	9/23/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-3.9	12/8/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-3.9	3/29/2005	Primary	<10	<10	<20	<10	<10	<10		
MW-3.9	5/10/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-3.9	8/17/2005	Primary	<0.28	<0.26	<0.72	<1.1	<0.92	<0.74		
SP-3.1	8/19/2005	Primary	<0.66	<0.3	<0.45	<0.41	<1.1	<1.1		

TABLE 5

GROUND WATER ANALYTICAL DATA, SEMI-VOLATILE ORGANIC COMPOUNDS
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	2-Methyl-naphthalene (µg/L)	Naph-thalene (µg/L)	Penta-chlorophenol (µg/L)	Phenol (µg/L)	2,4,5-Tri-chlorophenol (µg/L)	2,4,6-Tri-chlorophenol (µg/L)	Other Semi-Volatile Organic Compounds	Result (µg/L)
MW-4.1	9/23/2004	Primary	<9.6	<9.6	<19	<9.6	<9.6	<9.6		
MW-4.1	12/8/2004	Primary	<9.6	<9.6	<19	<9.6	<9.6	<9.6		
MW-4.1	3/30/2005	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-4.1	5/12/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-4.1	8/18/2005	Primary	<0.28	<0.26	<0.72	<1.1	<0.93	<0.75	bis(2-Ethylhexyl)phthalate	1.3J
MW-4.2	9/23/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-4.2	12/8/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-4.2	5/12/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-4.2	8/18/2005	Primary	<0.28	<0.26	<0.72	<1.1	<0.93	<0.75		
MW-4.3	3/30/2005	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-4.3	5/12/2005	Primary	<1.3	<0.68	<1.8	<1.4	<1.8	<1.7		
MW-4.3	8/17/2005	Primary	<0.63	<0.53	<0.52	<0.87	<0.76	<0.85	bis(2-Ethylhexyl)phthalate	1.2J
MW-4.4	9/23/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-4.4	12/8/2004	Primary	<9.6	<9.6	<19	<9.6	<9.6	<9.6		
MW-4.4	3/30/2005	Primary	<10	<10	<20	<10	<10	<10		
MW-4.4	5/12/2005	Primary	<1.3	<0.68	<1.8	<1.4	<1.8	<1.7		
MW-4.4	8/17/2005	Primary	<0.28	<0.26	<0.72	<1.1	<0.93	<0.75	bis(2-Ethylhexyl)phthalate	1.9J
MW-5.1	1/29/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.1	3/29/2005	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.1	5/11/2005	Primary	<1.3	1 J	<1.8	<1.5	<1.9	<1.7	Benzoic acid	0.79J

TABLE 5

GROUND WATER ANALYTICAL DATA, SEMI-VOLATILE ORGANIC COMPOUNDS
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	2-Methyl-naphthalene (µg/L)	Naph-thalene (µg/L)	Penta-chlorophenol (µg/L)	Phenol (µg/L)	2,4,5-Tri-chlorophenol (µg/L)	2,4,6-Tri-chlorophenol (µg/L)	Other Semi-Volatile Organic Compounds	Result (µg/L)
MW-5.2	1/29/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.2	6/24/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.2	9/23/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.2	12/9/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.2	3/29/2005	Primary	<10	<10	<20	<10	<10	<10		
MW-5.2	5/11/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-5.2	8/16/2005	Primary	<0.28	<0.26	<0.72	<1.1	<0.92	<0.74	bis(2-Ethylhexyl)phthalate	8.3J
MW-5.3	1/29/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.3	6/25/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-5.3	9/23/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-5.3	12/9/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.3	3/29/2005	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.3	3/29/2005	Duplicate	<10	<10	<20	<10	<10	<10		
MW-5.3	5/11/2005	Primary	<1.3	2.3 J	<1.8	<1.5	<1.9	<1.7		
MW-5.3	8/16/2005	Primary	<0.28	0.9 J	<0.72	<1.1	<0.92	<0.74		
MW-5.4	9/23/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.4	12/9/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.4	3/29/2005	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.4	5/11/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-5.4	8/16/2005	Primary	<0.27	<0.25	<0.71	<1.1	<0.91	<0.73		
MW-5.4	8/16/2005	Duplicate	<0.28	<0.26	<0.72	<1.1	<0.93	<0.75	bis(2-Ethylhexyl)phthalate	0.52J

TABLE 5

GROUND WATER ANALYTICAL DATA, SEMI-VOLATILE ORGANIC COMPOUNDS
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	2-Methyl-naphthalene (µg/L)	Naph-thalene (µg/L)	Penta-chlorophenol (µg/L)	Phenol (µg/L)	2,4,5-Tri-chlorophenol (µg/L)	2,4,6-Tri-chlorophenol (µg/L)	Other Semi-Volatile Organic Compounds	Result (µg/L)
MW-5.5	9/22/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-5.5	12/9/2004	Primary	<9.6	<9.6	<19	<9.6	<9.6	<9.6		
MW-5.5	3/29/2005	Primary	<10	<10	<20	<10	<10	<10		
MW-5.5	5/11/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-5.5	5/11/2005	Duplicate	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7		
MW-5.5	8/17/2005	Primary	<0.28	<0.26	<0.72	<1.1	<0.93	<0.75	bis(2-Ethylhexyl)phthalate	1.3J
MW-5.6	9/23/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-5.6	12/9/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-5.6	3/30/2005	Primary	<10	<10	<20	<10	<10	<10		
MW-5.6	5/11/2005	Primary	<1.3	<0.68	<1.8	<1.4	<1.8	<1.7		
MW-5.6	8/17/2005	Primary	<0.28	<0.26	<0.72	<1.1	<0.93	<0.75	bis(2-Ethylhexyl)phthalate	1.6J
MW-5.7	9/23/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.7	12/9/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.7	3/30/2005	Primary	<10	<10	<20	<10	<10	<10		
MW-5.7	5/11/2005	Primary	<1.3	<0.68	<1.8	<1.4	<1.8	<1.7		
MW-5.7	8/17/2005	Primary	<0.64	<0.3	<0.45	<0.4	<1.1	<1	Benzoic acid bis(2-Ethylhexyl)phthalate	0.93J 1.3J
MW-5.8	9/23/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-5.8	12/9/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-5.8	3/30/2005	Primary	<10	<10	<20	<10	<10	<10		
MW-5.8	5/11/2005	Primary	<0.64	<0.29	<0.44	<0.4	<1	<1		
MW-5.8	8/17/2005	Primary	<0.28	<0.26	<0.72	<1.1	<0.93	<0.75		

TABLE 5

GROUND WATER ANALYTICAL DATA, SEMI-VOLATILE ORGANIC COMPOUNDS
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	2-Methyl-naphthalene (µg/L)	Naph-thalene (µg/L)	Penta-chlorophenol (µg/L)	Phenol (µg/L)	2,4,5-Tri-chlorophenol (µg/L)	2,4,6-Tri-chlorophenol (µg/L)	Other Semi-Volatile Organic Compounds	Result (µg/L)
MW-5.9	9/23/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-5.9	12/8/2004	Primary	<9.6	<9.6	<19	<9.6	<9.6	<9.6		
MW-5.9	3/30/2005	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-5.9	5/12/2005	Primary	<1.3	<0.68	<1.8	<1.4	<1.8	<1.7		
MW-5.9	8/18/2005	Primary	<0.28	<0.26	<0.73	<1.1	<0.94	<0.76	bis(2-Ethylhexyl)phthalate	0.72J
MW-7.1	9/22/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-7.1	12/8/2004	Primary	<9.6	<9.6	<19	<9.6	<9.6	<9.6		
MW-7.1	3/31/2005	Primary	<9.6	<9.6	<19	<9.6	<9.6	<9.6		
MW-7.1	5/12/2005	Primary	<1.9	<0.7	<1.2	<2.1	<1.9	<1.9		
MW-7.1	8/18/2005	Primary	<0.28	<0.26	<0.72	<1.1	<0.93	<0.75	bis(2-Ethylhexyl)phthalate	0.8J
MW-10.1	8/17/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-10.1	9/22/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-10.1	12/7/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-10.1	3/31/2005	Primary	<10	<10	<20	<10	<10	<10		
MW-10.1	5/13/2005	Primary	<1.9	<0.69	<1.2	<2.1	<1.9	<1.9		
MW-10.1	8/18/2005	Primary	<0.28	<0.26	<0.74	<1.1	<0.95	<0.76	bis(2-Ethylhexyl)phthalate	1.7J
MW-10.1	8/18/2005	Duplicate	<0.66	<0.3	<0.45	<0.41	<1.1	<1.1		

TABLE 5

GROUND WATER ANALYTICAL DATA, SEMI-VOLATILE ORGANIC COMPOUNDS
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	2-Methyl-naphthalene (µg/L)	Naph-thalene (µg/L)	Penta-chlorophenol (µg/L)	Phenol (µg/L)	2,4,5-Tri-chlorophenol (µg/L)	2,4,6-Tri-chlorophenol (µg/L)	Other Semi-Volatile Organic Compounds	Result (µg/L)
MW-10.2	8/17/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-10.2	9/22/2004	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-10.2	12/8/2004	Primary	<9.7	<9.7	<19	<9.7	<9.7	<9.7		
MW-10.2	3/30/2005	Primary	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-10.2	3/31/2005	Duplicate	<9.5	<9.5	<19	<9.5	<9.5	<9.5		
MW-10.2	5/13/2005	Primary	<1.9	<0.69	<1.2	<2.1	<1.9	<1.9		
MW-10.2	8/18/2005	Primary	<0.65	<0.3	<0.45	<0.41	<1.1	<1		
MW-10.4	8/17/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-10.4	9/22/2004	Primary	<9.4	<9.4	<19	<9.4	<9.4	<9.4		
MW-10.4	12/8/2004	Primary	<9.6	<9.6	<19	<9.6	<9.6	<9.6		
MW-10.4	3/28/2005	Primary	<10	<10 uj	<20	<10 uj	<10 uj	<10 uj		
MW-10.4	5/12/2005	Primary	<1.9	<0.7	<1.2	<2.1	<1.9	<1.9		
MW-10.4	5/12/2005	Duplicate	<1.9	<0.69	<1.2	<2.1	<1.9	<1.9		
MW-10.4	8/18/2005	Primary	<0.28	<0.26	<0.72	<1.1	<0.93	<0.75	bis(2-Ethylhexyl)phthalate	0.67J
1Stop-MW-01	5/12/2005	Primary	<1.3	<0.68	<1.8	<1.4	<1.8	<1.7		
1Stop-MW-12	5/12/2005	Primary	<1.3	<0.69	<1.8	<1.5	<1.9	<1.7	bis(2-Ethylhexyl)phthalate	5.1J

TABLE 5

GROUND WATER ANALYTICAL DATA, SEMI-VOLATILE ORGANIC COMPOUNDS
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	2-Methyl-naphthalene (µg/L)	Naph-thalene (µg/L)	Penta-chlorophenol (µg/L)	Phenol (µg/L)	2,4,5-Tri-chlorophenol (µg/L)	2,4,6-Tri-chlorophenol (µg/L)	Other Semi-Volatile Organic Compounds	Result (µg/L)

Notes

Results of listed other semi-volatile organic compounds provided where reported concentrations are above the respective MDL.
Samples analyzed by EPA Method 8270C.

"<" = concentration as reported by analytical laboratory is less that the MDL or PQL
µg/L = microgram(s) per liter
EPA = United States Environmental Protection Agency
J or j = estimated value (the analyte was positively identified, but the associated numerical result is an estimate [analytical laboratory estimate = upper-case "J," data validation qualifier = lower-case "j"])
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
u = not detected
uj = not detected; associated numerical value is an estimate of the MDL or PQL

TABLE 6

GROUND WATER ANALYTICAL DATA, POLYNUCLEAR AROMATIC HYDROCARBONS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Ace-naphth-ene	Ace-naphthyl-ene	Anthra- cene	Benzo-(a) anthra-cene	Benzo-(a) pyrene	Benzo-(b) fluor-anthene	Benzo-(g,h,i) pery-lene	Benzo (k) fluor-anthene	Chrys-ene	Dibenz-(a,h) anthra-cene	Fluor-an-thene	Fluor-ene	Indeno-(1,2,3-cd) pyrene	Naph-thalene	Phen-an-threne	Pyrene
MW-2.1	9/22/2004	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.96	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/28/2005	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	5/9/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/15/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.007	<0.009	<0.009	<0.005	<0.006	<0.008	<0.01	<0.01	<0.006	<0.07	<0.008	<0.007
MW-2.2	9/22/2004	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.96	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/28/2005	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	5/10/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/15/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.007	<0.009	<0.009	<0.005	<0.006	<0.008	<0.01	<0.01	<0.006	<0.07	<0.008	<0.007
MW-2.3	9/22/2004	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.96	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/28/2005	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	5/9/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/15/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.006	<0.009	<0.01	<0.01	<0.006	<0.07	<0.009	<0.007
MW-3.1	9/22/2004	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/28/2005	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	5/10/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/16/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.006	<0.009	<0.01	<0.01	<0.006	<0.07	<0.009	<0.007
	8/16/2005	Duplicate	<0.06	<0.09	<0.008	<0.005	<0.007	<0.009	<0.009	<0.005	<0.006	<0.008	<0.01	<0.01	<0.006	<0.07	<0.008	<0.007

TABLE 6

GROUND WATER ANALYTICAL DATA, POLYNUCLEAR AROMATIC HYDROCARBONS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Ace-naphth-ene	Ace-naphthyl-ene	Anthra - cene	Benzo-(a) anthra-cene	Benzo-(a) pyrene	Benzo-(b) fluor-anthene	Benzo-(g,h,i) pery-lene	Benzo (k) fluor-anthene	Chrys-ene	Dibenz-(a,h) anthra-cene	Fluor-an-thene	Fluor-ene	Indeno-(1,2,3-cd) pyrene	Naph-thalene	Phen-an-threne	Pyrene
MW-3.2	9/22/2004	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	3	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/28/2005	Primary	<1	<2	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<1	<0.1	<0.1
	3/28/2005	Duplicate	<1	<2	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<1	<0.1	<0.1
	5/10/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	6.1	<0.008	0.05 J
	8/16/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.006	<0.009	<0.01	<0.01	<0.006	<0.07	<0.009	<0.007
MW-3.3	9/22/2004	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.96	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/28/2005	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.96	<0.1	<0.1
	5/10/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	5/10/2005	Duplicate	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/16/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.01	<0.009	<0.009	<0.005	<0.006	<0.008	<0.01	<0.01	<0.006	<0.07	<0.008	<0.007
MW-3.4	9/23/2004	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.96	<0.1	<0.1
	12/9/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2005	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	5/10/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/16/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.01	<0.009	<0.01	<0.005	<0.006	<0.009	<0.01	<0.01	<0.006	<0.07	<0.009	<0.007
MW-3.5	9/23/2004	Primary	<0.98	<2.0	<0.1	<0.1	<0.1	<0.20	<0.20	<0.1	<0.1	<0.20	<0.20	<0.20	<0.1	<0.98	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2005	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	5/10/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/16/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.01	<0.009	<0.01	<0.005	<0.006	<0.009	<0.01	<0.01	<0.006	<0.07	<0.009	<0.007

TABLE 6

GROUND WATER ANALYTICAL DATA, POLYNUCLEAR AROMATIC HYDROCARBONS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Ace-naphth-ene	Ace-naphthyl-ene	Anthra - cene	Benzo-(a) anthra-cene	Benzo-(a) pyrene	Benzo-(b) fluor-anthene	Benzo-(g,h,i) pery-lene	Benzo (k) fluor-anthene	Chrys-ene	Dibenz-(a,h) anthra-cene	Fluor-an-thene	Fluor-ene	Indeno-(1,2,3-cd) pyrene	Naph-thalene	Phen-an-threne	Pyrene
MW-3.6	9/23/2004	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	12/9/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2005	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	5/10/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/16/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.006	<0.009	<0.02	<0.01	<0.006	<0.07	<0.009	<0.007
MW-3.7	9/23/2004	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.96	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2005	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	5/10/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/17/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.007	<0.009	<0.02	<0.02	<0.006	<0.07	<0.009	<0.007
MW-3.8	9/23/2004	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2005	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.96	<0.1	<0.1
	5/10/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/17/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.006	<0.009	<0.02	<0.01	<0.006	<0.07	<0.009	<0.007
MW-3.9	9/23/2004	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2005	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	5/10/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/17/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.007	<0.009	<0.009	<0.005	<0.006	<0.008	<0.01	<0.01	<0.006	<0.07	<0.008	<0.007
SP-3.1	8/19/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.006	<0.009	<0.01	<0.01	<0.006	<0.07	<0.009	<0.007

TABLE 6

GROUND WATER ANALYTICAL DATA, POLYNUCLEAR AROMATIC HYDROCARBONS

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Well	Sample Date	Sample Type	Ace-naphth-ene	Ace-naphthyl-ene	Anthra - cene	Benzo-(a) anthra-cene	Benzo-(a) pyrene	Benzo-(b) fluor-anthene	Benzo-(g,h,i) pery-lene	Benzo (k) fluor-anthene	Chrys-ene	Dibenz-(a,h) anthra-cene	Fluor-an-thene	Fluor-ene	Indeno-(1,2,3-cd) pyrene	Naph-thalene	Phen-an-threne	Pyrene
MW-4.1	9/23/2004	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.96	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/30/2005	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	5/12/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/18/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.007	<0.009	<0.009	<0.005	<0.006	<0.008	<0.01	<0.01	<0.006	<0.07	<0.008	<0.007
MW-4.2	9/23/2004	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/30/2005	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	5/12/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/18/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.01	<0.009	<0.009	<0.005	<0.006	<0.008	<0.01	<0.01	<0.006	<0.07	<0.008	<0.007
MW-4.3	3/30/2005	Primary	<1	<2	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<1	<0.1	<0.1
	5/12/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/17/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.01	<0.009	<0.009	<0.005	<0.006	<0.008	<0.01	<0.01	<0.006	<0.07	<0.008	<0.007
MW-4.4	9/23/2004	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.96	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/30/2005	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	5/12/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/17/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.01	<0.009	<0.009	<0.005	<0.006	<0.008	<0.01	<0.01	<0.006	<0.07	<0.008	<0.007
MW-5.1	3/29/2005	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	5/11/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	0.02 J	0.36	<0.01	1.1	0.22	<0.005

TABLE 6

GROUND WATER ANALYTICAL DATA, POLYNUCLEAR AROMATIC HYDROCARBONS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Ace-naphth-ene	Ace-naphthyl-ene	Anthra - cene	Benzo-(a) anthra-cene	Benzo-(a) pyrene	Benzo-(b) fluor-anthene	Benzo-(g,h,i) pery-lene	Benzo (k) fluor-anthene	Chrys-ene	Dibenz-(a,h) anthra-cene	Fluor-an-thene	Fluor-ene	Indeno-(1,2,3-cd) pyrene	Naph-thalene	Phen-an-threne	Pyrene
MW-5.2	9/23/2004	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	12/9/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2005	Primary	<1	<2	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<1	<0.1	<0.1
	5/11/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/16/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.006	<0.009	<0.02	<0.01	<0.006	<0.07	<0.009	<0.007
MW-5.3	9/23/2004	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	12/9/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2005	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	4.2	<0.1	<0.1
	3/29/2005	Duplicate	<1	<2	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	4.7	<0.1	<0.1
	5/11/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	3.5	<0.008	<0.005
	8/16/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.006	<0.009	<0.02	<0.01	<0.006	0.71 J	<0.009	<0.007
MW-5.4	9/23/2004	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.96	<0.1	<0.1
	12/9/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2005	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	5/11/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/16/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.006	<0.009	<0.01	<0.01	<0.006	<0.07	<0.009	<0.007
	8/16/2005	Duplicate	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.006	<0.009	<0.02	<0.01	<0.006	<0.07	<0.009	<0.007
MW-5.5	9/22/2004	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	12/9/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2005	Primary	<1	<2	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<1	<0.1	<0.1
	5/11/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	5/11/2005	Duplicate	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/17/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.006	<0.009	<0.02	<0.01	<0.006	<0.07	<0.009	<0.007

TABLE 6

GROUND WATER ANALYTICAL DATA, POLYNUCLEAR AROMATIC HYDROCARBONS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Ace-naphth-ene	Ace-naphthyl-ene	Anthra- cene	Benzo-(a) anthra-cene	Benzo-(a) pyrene	Benzo-(b) fluor-anthene	Benzo-(g,h,i) pery-lene	Benzo (k) fluor-anthene	Chrys-ene	Dibenz-(a,h) anthra-cene	Fluor-an-thene	Fluor-ene	Indeno-(1,2,3-cd) pyrene	Naph-thalene	Phen-an-threne	Pyrene
MW-5.6	9/23/2004	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	12/9/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/30/2005	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	5/11/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/17/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.006	<0.009	<0.01	<0.01	<0.006	<0.07	<0.009	<0.007
MW-5.7	9/23/2004	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	0.26	<0.1
	12/9/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/30/2005	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	5/11/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	0.08 J	<0.005
	8/17/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.008	<0.009	<0.01	<0.005	<0.006	<0.009	0.03 J	<0.01	<0.006	<0.07	<0.009	<0.007
MW-5.8	9/23/2004	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	12/9/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/30/2005	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	5/11/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/17/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.01	<0.009	<0.009	<0.005	<0.006	<0.008	<0.01	<0.01	<0.006	<0.07	<0.008	<0.007
MW-5.9	9/23/2004	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/30/2005	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.96	<0.1	<0.1
	5/12/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/18/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.01	<0.009	<0.009	<0.005	<0.006	<0.008	<0.01	<0.01	<0.006	<0.07	<0.008	<0.007

TABLE 6

GROUND WATER ANALYTICAL DATA, POLYNUCLEAR AROMATIC HYDROCARBONS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Ace-naphth-ene	Ace-naphthyl-ene	Anthra - cene	Benzo-(a) anthra-cene	Benzo-(a) pyrene	Benzo-(b) fluor-anthene	Benzo-(g,h,i) pery-lene	Benzo (k) fluor-anthene	Chrys-ene	Dibenz-(a,h) anthra-cene	Fluor-an-thene	Fluor-ene	Indeno-(1,2,3-cd) pyrene	Naph-thalene	Phen-an-threne	Pyrene
MW-7.1	9/22/2004	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/31/2005	Primary	<0.95 uj	<1.9 uj	<0.1 uj	<0.1 uj	<0.1 uj	<0.19 uj	<0.19 uj	<0.1 uj	<0.1 uj	<0.19 uj	<0.19 uj	<0.19 uj	<0.1 uj	<0.95 uj	<0.1 uj	<0.1 uj
	5/12/2005	Primary	<0.09	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/18/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.01	<0.009	<0.009	<0.005	<0.006	<0.008	<0.01	<0.01	<0.006	<0.07	<0.008	<0.007
MW-10.1	8/17/2004	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	9/22/2004	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	12/7/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/31/2005	Primary	<0.96 uj	<1.9 uj	<0.1 uj	<0.1 uj	<0.1 uj	<0.19 uj	<0.19 uj	<0.1 uj	<0.1 uj	<0.19 uj	<0.19 uj	<0.19 uj	<0.1 uj	<0.96 uj	<0.1 uj	<0.1 uj
	5/13/2005	Primary	<0.09	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/18/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.01	<0.009	<0.009	<0.005	<0.006	<0.008	<0.01	<0.01	<0.006	<0.07	<0.008	<0.007
	8/18/2005	Duplicate	<0.06	<0.09	<0.008	<0.005	<0.01	<0.009	<0.01	<0.005	<0.007	<0.009	<0.02	<0.02	<0.006	<0.07	<0.009	<0.007
MW-10.2	8/17/2004	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	9/22/2004	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/30/2005	Primary	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	3/31/2005	Duplicate	<0.95	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.95	<0.1	<0.1
	5/13/2005	Primary	<0.09	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/18/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.01	<0.009	<0.01	<0.005	<0.006	<0.009	<0.01	<0.01	<0.006	<0.07	<0.009	<0.007

TABLE 6

GROUND WATER ANALYTICAL DATA, POLYNUCLEAR AROMATIC HYDROCARBONS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Ace-naphth-ene	Ace-naphthyl-ene	Anthra - cene	Benzo-(a) anthra-cene	Benzo-(a) pyrene	Benzo-(b) fluor-anthene	Benzo-(g,h,i) pery-lene	Benzo (k) fluor-anthene	Chrys-ene	Dibenz-(a,h) anthra-cene	Fluor-an-thene	Fluor-ene	Indeno-(1,2,3-cd) pyrene	Naph-thalene	Phen-an-threne	Pyrene
MW-10.4	8/17/2004	Primary	<0.94	<1.9	<0.09	<0.09	<0.09	<0.19	<0.19	<0.09	<0.09	<0.19	<0.19	<0.19	<0.09	<0.94	<0.09	<0.09
	9/22/2004	Primary	<0.96	<1.9	<0.1	<0.1	<0.1	<0.19	<0.19	<0.1	<0.1	<0.19	<0.19	<0.19	<0.1	<0.96	<0.1	<0.1
	12/8/2004	Primary	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/28/2005	Primary	<1	<2	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<1	<0.1	<0.1
	5/12/2005	Primary	<0.09	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	5/12/2005	Duplicate	<0.09	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
	8/18/2005	Primary	<0.06	<0.09	<0.008	<0.005	<0.01	<0.01	<0.01	<0.005	<0.007	<0.009	<0.02	<0.02	<0.006	<0.07	<0.009	<0.007
1Stop-MW-01	5/12/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005
1Stop-MW-12	5/12/2005	Primary	<0.34	<0.35	<0.007	<0.004	<0.004	<0.008	<0.01	<0.004	<0.006	<0.02	<0.01	<0.05	<0.01	<0.15	<0.008	<0.005

Notes

All concentrations in micrograms per liter.
Samples analyzed by EPA Method 8310.
"<" = concentration as reported by analytical laboratory is less that the MDL or PQL
EPA = United States Environmental Protection Agency
J or j = estimated value (the analyte was positively identified, but the associated numerical result is an estimate [analytical laboratory estimate = upper-case "J," data validation qualifier = lower-case "j"])
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
u = not detected
uj = not detected; associated numerical value is an estimate of the MDL or PQL

TABLE 7A

GROUND WATER ANALYTICAL DATA, POLYCHLORINATED BIPHENYL AROCHLORS

Georgia-Pacific California Wood Products Manufacturing Facility

90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Arochlor-1016 (µg/L)	Arochlor-1221 (µg/L)	Arochlor-1232 (µg/L)	Arochlor-1242 (µg/L)	Arochlor-1248 (µg/L)	Arochlor-1254 (µg/L)	Arochlor-1260 (µg/L)
MW-2.1	9/22/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	12/8/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	3/28/2005	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
MW-2.2	9/22/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	12/8/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	3/28/2005	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
MW-2.3	9/22/2004	Primary	<0.48	<0.96	<0.48	<0.48	<0.48	<0.48	<0.48
	12/8/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	3/28/2005	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
MW-3.1	9/22/2004	Primary	<0.48	<0.96	<0.48	<0.48	<0.48	<0.48	<0.48
	12/8/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	3/28/2005	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
MW-3.2	9/22/2004	Primary	<0.48	<0.96	<0.48	<0.48	<0.48	<0.48	<0.48
	12/8/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	3/28/2005	Primary	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
	3/28/2005	Duplicate	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3.3	9/22/2004	Primary	<0.49	<0.97	<0.49	<0.49	<0.49	<0.49	<0.49
	12/8/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	3/28/2005	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
MW-3.4	9/23/2004	Primary	<0.48	<0.96	<0.48	<0.48	<0.48	<0.48	<0.48
	12/9/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	3/29/2005	Primary	<0.48	<0.96	<0.48	<0.48	<0.48	<0.48	<0.48
MW-3.5	9/23/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	12/8/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	3/29/2005	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
MW-3.6	9/23/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	12/9/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	3/29/2005	Primary	<0.5	<0.99	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3.7	9/23/2004	Primary	<0.48	<0.96	<0.48	<0.48	<0.48	<0.48	<0.48
	12/8/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	3/29/2005	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
MW-3.8	9/23/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	12/8/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	3/29/2005	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48

TABLE 7A

GROUND WATER ANALYTICAL DATA, POLYCHLORINATED BIPHENYL AROCHLORS

Georgia-Pacific California Wood Products Manufacturing Facility

90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Arochlor-1016 (µg/L)	Arochlor-1221 (µg/L)	Arochlor-1232 (µg/L)	Arochlor-1242 (µg/L)	Arochlor-1248 (µg/L)	Arochlor-1254 (µg/L)	Arochlor-1260 (µg/L)
MW-3.9	9/23/2004	Primary	<0.48	<0.96	<0.48	<0.48	<0.48	<0.48	<0.48
	12/8/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	3/29/2005	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
MW-4.1	9/23/2004	Primary	<0.49	<0.97	<0.49	<0.49	<0.49	<0.49	<0.49
	12/8/2004	Primary	<0.49	<0.97	<0.49	<0.49	<0.49	<0.49	<0.49
	3/30/2005	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
MW-4.2	9/23/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	12/8/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
MW-4.3	3/30/2005	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
MW-4.4	9/23/2004	Primary	<0.48	<0.96	<0.48	<0.48	<0.48	<0.48	<0.48
	12/8/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	3/30/2005	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
MW-5.1	3/29/2005	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
MW-5.2	9/23/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	12/9/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	3/29/2005	Primary	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5.3	9/23/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	12/9/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	3/29/2005	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	3/29/2005	Duplicate	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5.4	9/23/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	12/9/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	3/29/2005	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
MW-5.5	9/22/2004	Primary	<0.48	<0.96	<0.48	<0.48	<0.48	<0.48	<0.48
	12/9/2004	Primary	<0.49	<0.98	<0.49	<0.49	<0.49	<0.49	<0.49
	3/29/2005	Primary	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5.6	9/23/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	12/9/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	3/30/2005	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
MW-5.7	9/23/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	12/9/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	3/30/2005	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
MW-5.8	9/23/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	12/9/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48

TABLE 7A

GROUND WATER ANALYTICAL DATA, POLYCHLORINATED BIPHENYL AROCHLORS

Georgia-Pacific California Wood Products Manufacturing Facility

90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Arochlor-1016 (µg/L)	Arochlor-1221 (µg/L)	Arochlor-1232 (µg/L)	Arochlor-1242 (µg/L)	Arochlor-1248 (µg/L)	Arochlor-1254 (µg/L)	Arochlor-1260 (µg/L)
	3/30/2005	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48

TABLE 7A

GROUND WATER ANALYTICAL DATA, POLYCHLORINATED BIPHENYL AROCHLORS

Georgia-Pacific California Wood Products Manufacturing Facility

90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Arochlor-1016 (µg/L)	Arochlor-1221 (µg/L)	Arochlor-1232 (µg/L)	Arochlor-1242 (µg/L)	Arochlor-1248 (µg/L)	Arochlor-1254 (µg/L)	Arochlor-1260 (µg/L)
MW-5.9	9/23/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	12/8/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	3/30/2005	Primary	<0.49	<0.97	<0.49	<0.49	<0.49	<0.49	<0.49
MW-7.1	9/22/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	12/8/2004	Primary	<0.48	<0.96	<0.48	<0.48	<0.48	<0.48	<0.48
	3/31/2005	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
MW-10.1	8/17/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	9/22/2004	Primary	<0.49	<0.97	<0.49	<0.49	<0.49	<0.49	<0.49
	12/7/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	3/31/2005	Primary	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10.2	8/17/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	9/22/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	12/8/2004	Primary	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
	3/30/2005	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	3/31/2005	Duplicate	<0.48	<0.95	<0.48	<0.48	<0.48	<0.48	<0.48
MW-10.4	8/17/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	9/22/2004	Primary	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47
	12/8/2004	Primary	<0.49	<0.98	<0.49	<0.49	<0.49	<0.49	<0.49
	3/28/2005	Primary	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5

Notes

Samples analyzed by EPA Method 8082.

"<" = concentration as reported by analytical laboratory is less that the MDL or PQL

µg/L = microgram(s) per liter

EPA = United States Environmental Protection Agency

J or j = estimated value (the analyte was positively identified, but the associated numerical result is an estimate [analytical laboratory estimate = upper-case "J," data validation qualifier = lower-case "j"])

MDL = Method Detection Limit

PQL = Practical Quantitation Limit

u = not detected

uj = not detected; associated numerical value is an estimate of the MDL or PQL

TABLE 7B

GROUND WATER ANALYTICAL DATA, POLYCHLORINATED BIPHENYL CONGENERS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	BZ# 8 (µg/L)	BZ# 18 (µg/L)	BZ# 28 (µg/L)	BZ# 44 (µg/L)	BZ# 52 (µg/L)	BZ# 66 (µg/L)	BZ# 77 (µg/L)	BZ# 81 (µg/L)	BZ# 101 (µg/L)	BZ# 105 (µg/L)	BZ# 114 (µg/L)	BZ# 118 (µg/L)	BZ# 123 (µg/L)	BZ# 126 (µg/L)
MW-2.1	5/9/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/15/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-2.2	5/10/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/15/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-2.3	5/9/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/15/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-3.1	5/10/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/16/2005	Primary	<0.012	<0.025	<0.02	<0.0097	<0.019	<0.0099	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
	8/16/2005	Duplicate	<0.012	<0.025	<0.02	<0.0097	<0.019	<0.0099	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-3.2	5/10/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/16/2005	Primary	<0.012	<0.024	<0.019	<0.0096	<0.018	<0.0097	<0.01	<0.019	<0.013	<0.011	<0.01	<0.01	<0.011	<0.012
MW-3.3	5/10/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	5/10/2005	Duplicate	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/16/2005	Primary	<0.012	<0.025	<0.02	<0.0097	<0.019	<0.0099	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-3.4	5/10/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/16/2005	Primary	<0.012	<0.025	<0.02	<0.0097	<0.019	<0.0099	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-3.5	5/10/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/16/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-3.6	5/10/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/16/2005	Primary	<0.012	<0.025	<0.02	<0.0097	<0.019	<0.0099	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-3.7	5/10/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/17/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-3.8	5/10/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/17/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012

TABLE 7B

GROUND WATER ANALYTICAL DATA, POLYCHLORINATED BIPHENYL CONGENERS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	BZ# 8 (µg/L)	BZ# 18 (µg/L)	BZ# 28 (µg/L)	BZ# 44 (µg/L)	BZ# 52 (µg/L)	BZ# 66 (µg/L)	BZ# 77 (µg/L)	BZ# 81 (µg/L)	BZ# 101 (µg/L)	BZ# 105 (µg/L)	BZ# 114 (µg/L)	BZ# 118 (µg/L)	BZ# 123 (µg/L)	BZ# 126 (µg/L)
MW-3.9	5/10/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/17/2005	Primary	<0.012	<0.024	<0.019	<0.0096	<0.018	<0.0097	<0.01	<0.019	<0.013	<0.011	<0.01	<0.01	<0.011	<0.012
SP-3.1	8/19/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-4.1	5/12/2005	Primary	<0.0095	<0.021	<0.01	<0.009	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/18/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-4.2	5/12/2005	Primary	<0.0095	<0.021	<0.01	<0.009	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/18/2005	Primary	<0.012	<0.024	<0.019	<0.0096	<0.018	<0.0097	<0.01	<0.019	<0.013	<0.011	<0.01	<0.01	<0.011	<0.012
MW-4.3	5/12/2005	Primary	<0.0095	<0.021	<0.01	<0.009	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/17/2005	Primary	<0.012	<0.025	<0.02	<0.0097	<0.019	<0.0099	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-4.4	5/12/2005	Primary	<0.012	<0.024	<0.019	<0.0095	<0.018	<0.0096	<0.01	<0.019	<0.013	<0.011	<0.0099	<0.01	<0.011	<0.012
	8/17/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-5.1	5/11/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
MW-5.2	5/11/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/16/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-5.3	5/11/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/16/2005	Primary	<0.012	<0.024	<0.019	<0.0096	<0.018	<0.0097	<0.01	<0.019	<0.013	<0.011	<0.01	<0.01	<0.011	<0.012
MW-5.4	5/11/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/16/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
	8/16/2005	Duplicate	<0.012	<0.025	<0.02	<0.0097	<0.019	<0.0099	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-5.5	5/11/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	5/11/2005	Duplicate	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/17/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-5.6	5/11/2005	Primary	<0.012	<0.024	<0.019	<0.0095	<0.018	<0.0096	<0.01	<0.019	<0.013	<0.011	<0.0099	<0.01	<0.011	<0.012
	8/17/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012

TABLE 7B

GROUND WATER ANALYTICAL DATA, POLYCHLORINATED BIPHENYL CONGENERS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	BZ# 8 (µg/L)	BZ# 18 (µg/L)	BZ# 28 (µg/L)	BZ# 44 (µg/L)	BZ# 52 (µg/L)	BZ# 66 (µg/L)	BZ# 77 (µg/L)	BZ# 81 (µg/L)	BZ# 101 (µg/L)	BZ# 105 (µg/L)	BZ# 114 (µg/L)	BZ# 118 (µg/L)	BZ# 123 (µg/L)	BZ# 126 (µg/L)
MW-5.7	5/11/2005	Primary	<0.012	<0.024	<0.019	<0.0095	<0.018	<0.0096	<0.01	<0.019	<0.013	<0.011	<0.0099	<0.01	<0.011	<0.012
	8/17/2005	Primary	<0.012	<0.025	<0.02	<0.0097	<0.019	<0.0099	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-5.8	5/11/2005	Primary	<0.0096	<0.021	<0.011	<0.0091	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
	8/17/2005	Primary	<0.012	<0.024	<0.019	<0.0096	<0.018	<0.0097	<0.01	<0.019	<0.013	<0.011	<0.01	<0.01	<0.011	<0.012
MW-5.9	5/12/2005	Primary	<0.012	<0.024	<0.019	<0.0095	<0.018	<0.0096	<0.01	<0.019	<0.013	<0.011	<0.0099	<0.01	<0.011	<0.012
	8/18/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-7.1	5/12/2005	Primary	<0.012	<0.024	<0.019	<0.0095	<0.018	<0.0096	<0.01	<0.019	<0.013	<0.011	<0.0099	<0.01	<0.011	<0.012
	8/18/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-10.1	5/13/2005	Primary	<0.012	<0.024	<0.019	<0.0095	<0.018	<0.0096	<0.01	<0.019	<0.013	<0.011	<0.0099	<0.01	<0.011	<0.012
	8/18/2005	Primary	<0.012	<0.025	<0.02	<0.0097	<0.019	<0.0099	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
	8/18/2005	Duplicate	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-10.2	5/13/2005	Primary	<0.012	<0.024	<0.019	<0.0095	<0.018	<0.0096	<0.01	<0.019	<0.013	<0.011	<0.0099	<0.01	<0.011	<0.012
	8/18/2005	Primary	<0.012	<0.024	<0.02	<0.0097	<0.019	<0.0098	<0.01	<0.019	<0.013	<0.012	<0.01	<0.01	<0.011	<0.012
MW-10.4	5/12/2005	Primary	<0.012	<0.024	<0.019	<0.0096	<0.018	<0.0097	<0.01	<0.019	<0.013	<0.011	<0.01	<0.01	<0.011	<0.012
	5/12/2005	Duplicate	<0.012	<0.024	<0.019	<0.0096	<0.018	<0.0097	<0.01	<0.019	<0.013	<0.011	<0.01	<0.01	<0.011	<0.012
	8/18/2005	Primary	<0.012	<0.024	<0.019	<0.0096	<0.018	<0.0097	<0.01	<0.019	<0.013	<0.011	<0.01	<0.01	<0.011	<0.012
1Stop-MW-01	5/12/2005	Primary	<0.0095	<0.021	<0.01	<0.009	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021
1Stop-MW-12	5/12/2005	Primary	<0.0095	<0.021	<0.01	<0.009	<0.012	<0.012	<0.014	<0.014	<0.01	<0.012	<0.012	<0.013	<0.01	<0.021

TABLE 8

GROUND WATER ANALYTICAL DATA, ORGANOCHLORIDE PESTICIDES
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Aldrin (µg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	Endosulfan I (µg/L)	Endosulfan II (µg/L)	Other Organiochloride Pesticide	Result (µg/L)
MW-2.1	9/22/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	3/28/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-2.2	9/22/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	3/28/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-2.3	9/22/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	3/28/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-3.1	9/22/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	3/28/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-3.2	9/22/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	3/28/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/28/2005	Duplicate	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-3.3	9/22/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	3/28/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-3.4	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/9/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	3/29/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-3.5	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-3.5	12/8/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
MW-3.5	3/29/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-3.6	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/9/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/29/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-3.7	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	3/29/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-3.8	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
MW-3.9	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	3/29/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-4.1	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/30/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-4.2	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	3/30/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-4.3	3/30/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-4.4	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	3/30/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-5.1	3/29/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/9/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/29/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-5.3	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/9/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/29/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/29/2005	Duplicate	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-5.4	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/9/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/29/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		

TABLE 8

GROUND WATER ANALYTICAL DATA, ORGANOCHLORIDE PESTICIDES
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Aldrin (µg/L)	4,4'-DDD (µg/L)	4,4'-DDE (µg/L)	4,4'-DDT (µg/L)	Endosulfan I (µg/L)	Endosulfan II (µg/L)	Other Organiochloride Pesticide	Result (µg/L)
MW-5.5	9/22/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/9/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/29/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-5.6	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/9/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/30/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-5.7	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/9/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/30/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-5.8	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/9/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/30/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-5.9	9/23/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/30/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-7.1	9/22/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	12/8/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	3/31/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-10.1	8/17/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	9/22/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	12/7/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	3/31/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-10.2	8/17/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	9/22/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	12/8/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/30/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/31/2005	Duplicate	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
MW-10.4	8/17/2004	Primary	<0.05	<0.09	<0.09	<0.09	<0.05	<0.09		
	9/22/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	12/8/2004	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		
	3/28/2005	Primary	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1		

Notes
Samples analyzed by EPA Method 8081A.

"<" = concentration as reported by analytical laboratory is less that the MDL or PQL
µg/L = microgram(s) per liter
EPA = United States Environmental Protection Agency
J or j = estimated value (the analyte was positively identified, but the associated numerical result is an estimate [analytical laboratory estimate = upper-case "J," data validation qualifier = lower-case "j"])
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
u = not detected
uj = not detected; associated numerical value is an estimate of the MDL or PQL

TABLE 9

GROUND WATER ANALYTICAL DATA, DISSOLVED METALS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Anti-mony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryl-lium (µg/L)	Cad-mium (µg/L)	Chrom-ium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Mer-cury (µg/L)	Molyb-denum (µg/L)	Nickel (µg/L)	Selen-ium (µg/L)	Silver (µg/L)	Thall-ium (µg/L)	Vanad-ium (µg/L)	Zinc (µg/L)
MW-2.1	9/22/2004	Primary	<60	<5.0	13	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	59	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	69
	3/28/2005	Primary	<60	<5	18	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/9/2005	Primary	<1	<2	13	<1	<1	1.1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	4.8
	8/15/2005	Primary	<1	1	12	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	36
MW-2.2	9/22/2004	Primary	<60	<5.0	25	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	42	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	60
	3/28/2005	Primary	<60	<5	15	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/10/2005	Primary	<1	<1	14	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	1	3.6
	8/15/2005	Primary	<1	<1	22	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	7.1
MW-2.3	9/22/2004	Primary	<60	<5.0	<10	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	10	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	53
	3/28/2005	Primary	<60	<5	14	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/9/2005	Primary	<1	<1	13	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	1.8
	8/15/2005	Primary	<1	<1	15	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	5.6
MW-3.1	9/22/2004	Primary	<60	<5.0	51	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	46	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	48
	3/28/2005	Primary	<60	<5	31	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	350
	5/10/2005	Primary	<1	<1	34	<1	<1	<1	<1	1.2	<1	<0.2	<1	<1	<1	<1	<1	<1	4.6
	8/16/2005	Primary	<1	<1	36	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	4
	8/16/2005	Duplicate	<1	<1	36	<1	<1	<1	<1	1.2	<1	<0.2	<1	<1	<1	<1	<1	<1	13

TABLE 9

GROUND WATER ANALYTICAL DATA, DISSOLVED METALS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Anti-mony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryl-lium (µg/L)	Cad-mium (µg/L)	Chrom-ium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Mer-cury (µg/L)	Molyb-denum (µg/L)	Nickel (µg/L)	Selen-ium (µg/L)	Silver (µg/L)	Thall-ium (µg/L)	Vanad-ium (µg/L)	Zinc (µg/L)
MW-3.2	9/22/2004	Primary	<60	<5.0	14	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	22	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	50
	3/28/2005	Primary	<60	<5	25	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	3/28/2005	Duplicate	<60	<5	27	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/10/2005	Primary	<1	<2	22	<1	<1	<1	<1	1.3	<1	<0.2	<1	<1	<1	<1	<1	<1	6.7
	8/16/2005	Primary	<1	<1	19	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	4.4
MW-3.3	9/22/2004	Primary	<60	<5.0	<10	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	11	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	43
	3/28/2005	Primary	<60	<5	<10	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/10/2005	Primary	<1	<1	6.6	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	1.5	2.7
	5/10/2005	Duplicate	<1	<1	6.4	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	1.7	2.7
	8/16/2005	Primary	<1	<1	7.1	<1	<1	<1	<1	1.1	<1	<0.2	<1	<1	<1	<1	<1	1.2	7.4
MW-3.4	9/23/2004	Primary	<60	<5.0	120	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/9/2004	Primary	<60	<5.0	50	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	12	49
	3/29/2005	Primary	<60	<5	12	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/10/2005	Primary	<1	2.6	5.1	<1	<1	<1	<1	1.7	<1	<0.2	<1	<1	<1	<1	<1	3.6	3.3
	8/16/2005	Primary	<1	4.2	7.7	<1	<1	<1	<1	1.6	<1	<0.2	1.6	1.2	<1	<1	<1	9.8	8
MW-3.5	9/23/2004	Primary	<60	<5.0	28	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	24	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	3/29/2005	Primary	<60	<5	16	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/10/2005	Primary	1.6	<1	16	<1	<1	<1	<1	1.6	<1	<0.2	1.3	<1	<1	<1	<1	1	9.2
	8/16/2005	Primary	1.5	<1	22	<1	<1	<1	<1	2	<1	<0.2	<1	<1	<1	<1	<1	<1	23

TABLE 9

GROUND WATER ANALYTICAL DATA, DISSOLVED METALS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Anti-mony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryl-lium (µg/L)	Cad-mium (µg/L)	Chrom-ium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Mer-cury (µg/L)	Molyb-denum (µg/L)	Nickel (µg/L)	Selen-ium (µg/L)	Silver (µg/L)	Thall-ium (µg/L)	Vanad-ium (µg/L)	Zinc (µg/L)
MW-3.6	9/23/2004	Primary	<60	<5.0	<10	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/9/2004	Primary	<60	<5.0	<10	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	3/29/2005	Primary	<60	<5	12	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/10/2005	Primary	<1	1.1	12	<1	<1	<1	<1	1.3	<1	<0.2	<1	<1	<1	<1	<1	<1	6.4
	8/16/2005	Primary	<1	1.2	13	<1	<1	<1	<1	1.4	<1	<0.2	<1	<1	<1	<1	<1	<1	12
MW-3.7	9/23/2004	Primary	<60	<5.0	62	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	110	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	29
	3/29/2005	Primary	<60	<5	17	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/10/2005	Primary	<1	1.1	88	<1	<1	<1	<1	1.6	<1	<0.2	<1	<1	<1	<1	<1	<1	5.6
	8/17/2005	Primary	<1	1.5	100	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	6.9
MW-3.8	9/23/2004	Primary	<60	<5.0	40	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	36	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	3/29/2005	Primary	<60	<5	31	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/10/2005	Primary	<1	<1	41	<1	<1	<1	<1	1.4	<1	<0.2	<1	1.3	<1	<1	<1	<1	14
	8/17/2005	Primary	<1	<1	43	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	2.6
MW-3.9	9/23/2004	Primary	<60	<5.0	24	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	30	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	3/29/2005	Primary	<60	<5	24	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/10/2005	Primary	<1	<1	26	<1	<1	<1	<1	1.6	<1	<0.2	<1	1	<1	<1	<1	1	9.3
	8/17/2005	Primary	<1	<1	27	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	1.4	7
SP-3.1	8/19/2005	Primary	<1	<1	27	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	8.3

TABLE 9

GROUND WATER ANALYTICAL DATA, DISSOLVED METALS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Anti-mony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryl-lium (µg/L)	Cad-mium (µg/L)	Chrom-ium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Mer-cury (µg/L)	Molyb-denum (µg/L)	Nickel (µg/L)	Selen-ium (µg/L)	Silver (µg/L)	Thall-ium (µg/L)	Vanad-ium (µg/L)	Zinc (µg/L)
MW-4.1	9/23/2004	Primary	<60	<5.0	3300	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	9.5	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	9600	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	77
	3/30/2005	Primary	<60	<5	3400	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/12/2005	Primary	<1	1.9	3100	<1	<1	<1	<1	2.2	<1	<0.2	<1	<1	<1	<1	<1	<1	21
	8/18/2005	Primary	<1	2	4200	<1	<1	<1	<1	2.7	<1	<0.2	<1	<1	<1	<1	<1	1.1	25
MW-4.2	9/23/2004	Primary	<60	<5.0	130	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	200	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	49
	3/30/2005	Primary	<60	5.8	110	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/12/2005	Primary	<1	4.1	100	<1	<1	1.6	<1	1.5	<1	<0.2	<1	<1	<1	<1	<1	1.9	15
	8/18/2005	Primary	<1	2	120	<1	<1	<1	<1	1.1	<1	<0.2	<1	<1	<1	<1	<1	<1	9.4
MW-4.3	3/30/2005	Primary	<60	<5	38	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/12/2005	Primary	<1	1.7	43	<1	<1	<1	<1	1.4	<1	<0.2	<1	<1	<1	<1	<1	1.2	7.2
	8/17/2005	Primary	<1	1.3	45	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	3.4
MW-4.4	9/23/2004	Primary	<60	<5.0	87	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	77	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	52
	3/30/2005	Primary	<60	<5	96	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/12/2005	Primary	<1	3	100	<1	<1	<1	<1	1.2	<1	<0.2	<1	<1	<1	<1	<1	<1	6.9
	8/17/2005	Primary	<1	3.5	110	<1	<1	<1	<1	1.1	<1	<0.2	<1	<1	<1	<1	<1	<1	12
MW-5.1	3/29/2005	Primary	<60	<5	46	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/11/2005	Primary	<1	3.9	45	<1	<1	1.2	<1	1.1	<1	<0.2	<1	<1	<1	<1	<1	1.5	6.7

TABLE 9

GROUND WATER ANALYTICAL DATA, DISSOLVED METALS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Anti-mony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryl-lium (µg/L)	Cad-mium (µg/L)	Chrom-ium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Mer-cury (µg/L)	Molyb-denum (µg/L)	Nickel (µg/L)	Selen-ium (µg/L)	Silver (µg/L)	Thall-ium (µg/L)	Vanad-ium (µg/L)	Zinc (µg/L)
MW-5.2	9/23/2004	Primary	<60	<5.0	<10	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/9/2004	Primary	<60	<5.0	<10	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	57
	3/29/2005	Primary	<60	<5	<10	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/11/2005	Primary	<1	2.5	8.4	<1	<1	<1	<1	1.8	<1	<0.2	<1	<1	<1	<1	<1	<1	8.6
	8/16/2005	Primary	<1	2.5	7.6	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	1.6	<1	2.2
MW-5.3	9/23/2004	Primary	<60	<5.0	40	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/9/2004	Primary	<60	<5.0	49	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	47
	3/29/2005	Primary	<60	8.3	36	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	3/29/2005	Duplicate	<60	6.2	37	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/11/2005	Primary	<1	7.1	32	<1	<1	2.2	<1	2.7	<1	<0.2	<1	1.4	<1	<1	<1	2.4	10
	8/16/2005	Primary	<1	7.3	30	<1	<1	2.2	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	2.6	9.7
MW-5.4	9/23/2004	Primary	<60	9.9	11	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/9/2004	Primary	<60	9.7	13	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	42
	3/29/2005	Primary	<60	6.4	<10	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/11/2005	Primary	<1	5.1	8.8	<1	<1	1.1	<1	2.8	<1	<0.2	<1	<1	<1	<1	<1	<1	10
	8/16/2005	Primary	<1	6.2	11	<1	<1	1.3	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	7.9
	8/16/2005	Duplicate	<1	6.5	11	<1	<1	1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	3.5
MW-5.5	9/22/2004	Primary	<60	10	75	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/9/2004	Primary	<60	10	44	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	42
	3/29/2005	Primary	<60	10	110	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/11/2005	Primary	<1	11	200	<1	<1	1.4	2.6	1.7	<1	<0.2	<1	2.2	<1	<1	<1	2.6	9.3
	5/11/2005	Duplicate	<1	11	200	<1	<1	1.3	2.6	1.2	<1	<0.2	<1	2.2	<1	<1	<1	2.5	9
	8/17/2005	Primary	<1	14	150	<1	<1	1.4	2.1	<1	<1	<0.2	<1	1.4	<1	<1	<1	2.7	4.5

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Well	Sample Date	Sample Type	Anti-mony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryl-lium (µg/L)	Cad-mium (µg/L)	Chrom-ium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Mer-cury (µg/L)	Molyb-denum (µg/L)	Nickel (µg/L)	Selen-ium (µg/L)	Silver (µg/L)	Thall-ium (µg/L)	Vanad-ium (µg/L)	Zinc (µg/L)
MW-5.6	9/23/2004	Primary	<60	9.3	130	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	13	<5.0	<5.0	<10	<20
	12/9/2004	Primary	<60	<5.0	220	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	24
	3/30/2005	Primary	<60	8.3	150	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/11/2005	Primary	<1	8.9	150	<1	<1	<1	3.7	1.5	<1	<0.2	<1	2	<1	<1	<1	<1	9.5
	8/17/2005	Primary	<1	9.7	150	<1	<1	<1	4.2	<1	<1	<0.2	<1	2.1	<1	<1	<1	<1	6.2
MW-5.7	9/23/2004	Primary	<60	23	210	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	23	<5.0	<5.0	<10	<20
	12/9/2004	Primary	<60	12	130	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	3/30/2005	Primary	<60	19	220	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/11/2005	Primary	<1	14	220	<1	<1	1.9	<1	1.6	<1	<0.2	<1	<1	<1	<1	<1	<1	9.5
	8/17/2005	Primary	<1	14	210	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	5.6
MW-5.8	9/23/2004	Primary	<60	<5.0	78	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/9/2004	Primary	<60	<5.0	64	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	3/30/2005	Primary	<60	<5	78	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/11/2005	Primary	<1	2.3	77	<1	<1	<1	<1	1	<1	<0.2	<1	<1	<1	<1	<1	<1	5.1
	8/17/2005	Primary	<1	1.7	76	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	10
MW-5.9	9/23/2004	Primary	<60	<5.0	250	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	10	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	230	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	46
	3/30/2005	Primary	<60	<5	230	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/12/2005	Primary	1.1	<1	230	<1	<1 uj	<1	<1	2.2	<1	<0.2	<1	<1	<1	<1	1.3	<1	6.4
	8/18/2005	Primary	<1	<1	260	<1	<1	<1	<1	1.3	<1	<0.2	<1	<1	<1	<1	<1	<1	11

TABLE 9

GROUND WATER ANALYTICAL DATA, DISSOLVED METALS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Anti-mony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryl-lium (µg/L)	Cad-mium (µg/L)	Chrom-ium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Mer-cury (µg/L)	Molyb-denum (µg/L)	Nickel (µg/L)	Selen-ium (µg/L)	Silver (µg/L)	Thall-ium (µg/L)	Vanad-ium (µg/L)	Zinc (µg/L)
MW-7.1	9/22/2004	Primary	<60	<5.0	42	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	6.1	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	50	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	49
	3/31/2005	Primary	<60	<5	57	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/12/2005	Primary	<1	<2.1	51	<1	<1	1.4	<1	1.2	<1	<0.2	<1	<1	<1	<1	<1	2.1	15
	8/18/2005	Primary	<1	1.1	53	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	5.9
MW-10.1	8/17/2004	Primary	<60	<5.0	<10	4.7	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	9/22/2004	Primary	<60	<5.0	40	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/7/2004	Primary	<60	<5.0	48	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	54
	3/31/2005	Primary	<60	<5	43	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/13/2005	Primary	<1	2	39	<1	<1	1.2	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<2	3.3
	8/18/2005	Primary	<1	<1	38	<1	<1	<1	<1	<1	<1	<0.2	<1	<1	<1	<1	<1	<1	11
	8/18/2005	Duplicate	<1	<1	37	<1	<1	<1	<1	1.9	<1	<0.2	<1	<1	<1	<1	<1	<1	20
MW-10.2	8/17/2004	Primary	<60	<5.0	<10	4.2	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	32
	9/22/2004	Primary	<60	<5.0	28	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	<5.0	22	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	79
	3/30/2005	Primary	<60	<5	39	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	3/31/2005	Duplicate	<60	<5	38	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/13/2005	Primary	<1	1.1	39	<1	<1	1.3	<1	1.4	<1	<0.2	<1	<1	<1	<1	<1	1.4	6.6
	8/18/2005	Primary	<1	<1	45	<1	<1	<1	<1	1.3	<1	<0.2	<1	<1	<1	<1	<1	<1	10

TABLE 9

GROUND WATER ANALYTICAL DATA, DISSOLVED METALS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Anti-mony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryl-lium (µg/L)	Cad-mium (µg/L)	Chrom-ium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)	Mer-cury (µg/L)	Molyb-denum (µg/L)	Nickel (µg/L)	Selen-ium (µg/L)	Silver (µg/L)	Thall-ium (µg/L)	Vanad-ium (µg/L)	Zinc (µg/L)
MW-10.4	8/17/2004	Primary	<60	<5.0	180	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	9.8	<5.0	<5.0	<10	29
	9/22/2004	Primary	<60	11	150	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	8.6	<5.0	<5.0	<10	<20
	12/8/2004	Primary	<60	10	150	<2.0	<5.0	<10	<20	<10	<3.0	<0.20	<20	<20	<5.0	<5.0	<5.0	<10	62
	3/28/2005	Primary	<60	8.5	110	<2	<5	<10	<20	<10	<3	<0.2	<20	<20	<5	<5	<5	<10	<20
	5/12/2005	Primary	<1	8.3	110	<1	<1	<1	2.8	<1	<1	<0.2	<1	<1	<1	<1	<1	1.2	5.5
	5/12/2005	Duplicate	<1	7.2	100	<1	<1	<1	2.5	1.1	<1	<0.2	<1	<1	<1	<1	<1	1.1	5.2
	8/18/2005	Primary	<1	8	120	<1	<1	<1	3	<1	<1	<0.2	<1	1	<1	<1	<1	<1	12
1Stop-MW-01	5/12/2005	Primary	<1	1.2	33	<1	<1	1.1	<1	1.4	<1	<0.2	<1	1.2	<1	<1	<1	2	8.5
1Stop-MW-04	5/12/2005	Primary	<1	1.8	9	<1	<1	1.3	<1	1.2	<1	<0.2	<1	<1	<1	<1	<1	1.9	6.7
1Stop-MW-12	5/12/2005	Primary	<1	1.7	3.2	<1	<1	<1	<1	1.3	<1	<0.2	<1	<1	<1	<1	<1	1.6	7.2

Notes

Samples analyzed by EPA Method 6010B or 7470A through March 2005. Samples analyzed by EPA Method 6020B or 7470A beginning May 2005.

"<" = concentration as reported by analytical laboratory is less that the MDL or PQL
µg/L = microgram(s) per liter
EPA = United States Environmental Protection Agency
J or j = estimated value (the analyte was positively identified, but the associated numerical result is an estimate [analytical laboratory estimate = upper-case "J," data validation qualifier = lower-case "j"])
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
u = not detected
uj = not detected; associated numerical value is an estimate of the MDL or PQL

TABLE 10

GROUND WATER ANALYTICAL DATA, TANNIN AND LIGNIN
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Tannins and Lignins (µg/L)
MW-2.1	9/22/2004	Primary	<100
	12/8/2004	Primary	180
	3/28/2005	Primary	2,000
MW-2.2	9/22/2004	Primary	<100
	12/8/2004	Primary	100
	3/28/2005	Primary	<100
MW-2.3	9/22/2004	Primary	<100
	12/8/2004	Primary	<100
	3/28/2005	Primary	<100
MW-3.1	9/22/2004	Primary	<100
	12/8/2004	Primary	<100
	3/28/2005	Primary	<100
MW-3.2	9/22/2004	Primary	360
	12/8/2004	Primary	860
	3/28/2005	Primary	130
	3/28/2005	Duplicate	140
MW-3.3	9/22/2004	Primary	<100
	12/8/2004	Primary	190
	3/28/2005	Primary	<100
MW-3.4	9/23/2004	Primary	310
	12/9/2004	Primary	660
	3/29/2005	Primary	<100
MW-3.5	9/23/2004	Primary	<100
	12/8/2004	Primary	180
	3/29/2005	Primary	<100
MW-3.6	9/23/2004	Primary	<100
	12/9/2004	Primary	230
	3/29/2005	Primary	200
MW-3.7	9/23/2004	Primary	<100
	12/8/2004	Primary	<100
	3/29/2005	Primary	<100
MW-3.8	9/23/2004	Primary	<100
	12/8/2004	Primary	<100
	3/29/2005	Primary	350
MW-3.9	9/23/2004	Primary	<100
	12/8/2004	Primary	190
	3/29/2005	Primary	180
MW-4.1	9/23/2004	Primary	2,200
	12/8/2004	Primary	4,500
	3/30/2005	Primary	4,300
MW-4.2	9/23/2004	Primary	2,000
	12/8/2004	Primary	1,900
	3/30/2005	Primary	2,400
MW-4.3	3/30/2005	Primary	1,900

TABLE 10

GROUND WATER ANALYTICAL DATA, TANNIN AND LIGNIN
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

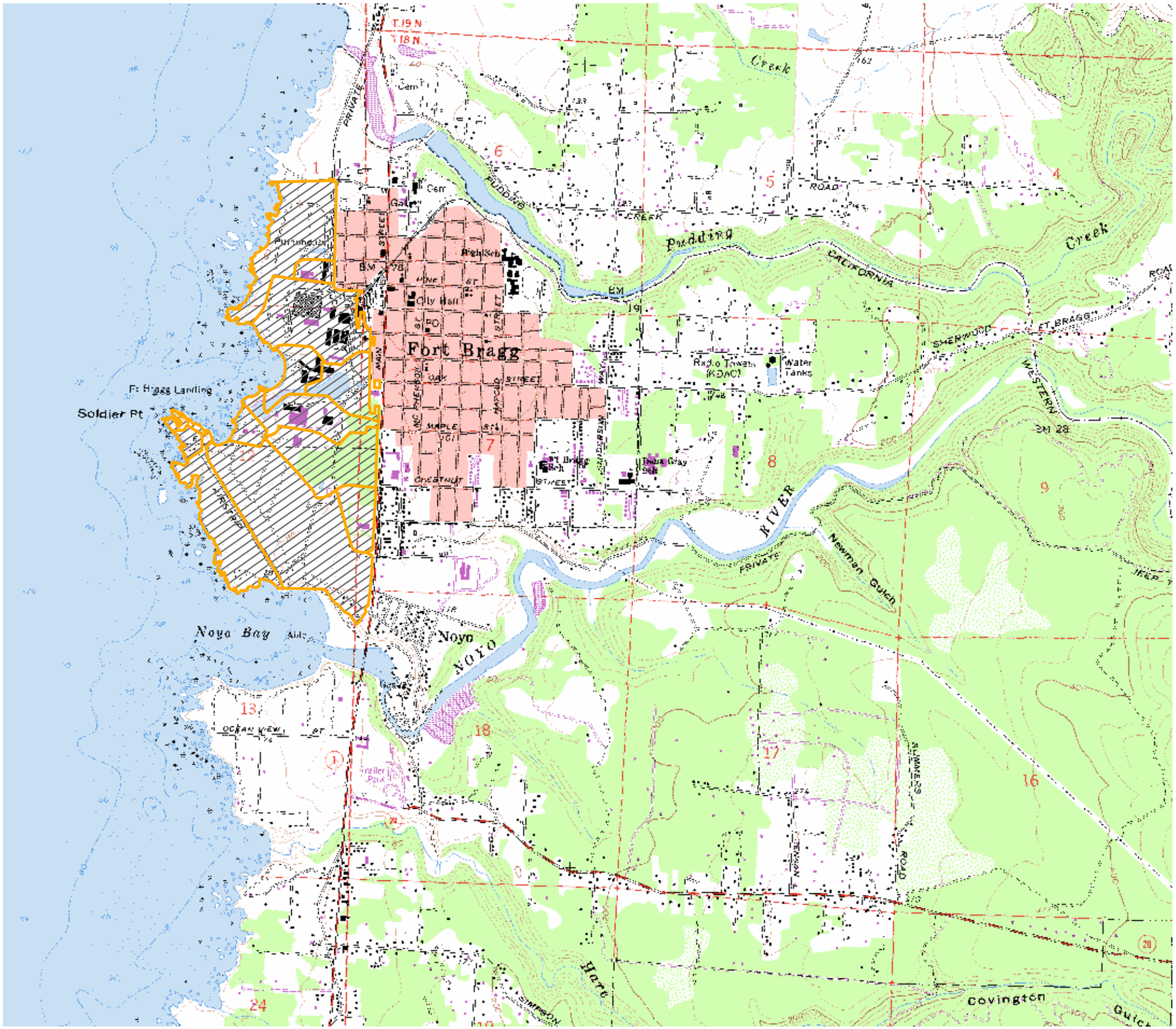
Well	Sample Date	Sample Type	Tannins and Lignins (µg/L)
MW-4.4	9/23/2004	Primary	720
	12/8/2004	Primary	2,000
	3/30/2005	Primary	1,100
MW-5.1	3/29/2005	Primary	2,800
MW-5.2	9/23/2004	Primary	<100
	12/9/2004	Primary	120
	3/29/2005	Primary	<100
MW-5.3	9/23/2004	Primary	300
	12/9/2004	Primary	620
	3/29/2005	Primary	2,700
	3/29/2005	Duplicate	2,400
MW-5.4	9/23/2004	Primary	480
	12/9/2004	Primary	620
	3/29/2005	Primary	1,400
MW-5.5	9/22/2004	Primary	1,300
	12/9/2004	Primary	1,600
	3/29/2005	Primary	6,900
MW-5.6	9/23/2004	Primary	3,000
	12/9/2004	Primary	6,200
	3/30/2005	Primary	4,700
MW-5.7	9/23/2004	Primary	2,300
	12/9/2004	Primary	2,500
	3/30/2005	Primary	1,500
MW-5.8	9/23/2004	Primary	<100
	12/9/2004	Primary	230
	3/30/2005	Primary	120
MW-5.9	9/23/2004	Primary	540
	12/8/2004	Primary	720
	3/30/2005	Primary	950
MW-7.1	9/22/2004	Primary	350
	12/8/2004	Primary	2,000
	3/31/2005	Primary	440
MW-10.1	8/17/2004	Primary	<100
	9/22/2004	Primary	<100
	12/7/2004	Primary	150
	3/31/2005	Primary	<100
MW-10.2	8/17/2004	Primary	<100
	9/22/2004	Primary	<100
	12/8/2004	Primary	380
	3/30/2005	Primary	<100
	3/31/2005	Duplicate	<100
MW-10.4	8/17/2004	Primary	7,400
	9/22/2004	Primary	2,700
	3/28/2005	Primary	3,700

TABLE 10

GROUND WATER ANALYTICAL DATA, TANNIN AND LIGNIN
Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Well	Sample Date	Sample Type	Tannins and Lignins (µg/L)

Notes
Samples analyzed by EPA Method 5550B.
"<" = concentration as reported by analytical laboratory is less that the MDL or PQL
µg/L = microgram(s) per liter
EPA = United States Environmental Protection Agency



Legend

Site

N

0 1,950 3,900 7,800

Feet

FIGURE 1

SITE LOCATION MAP

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Project No. 16017.01	Drawn By KJJ
Map File	Prepared By MAA
	Reviewed By
Revison/Date 0 - 12/19/05	Scale As Noted

Acton Mickelson Environmental, Inc.
Consulting Scientists, Engineers, and Geologists

5175 Hillsdale Circle #100
El Dorado Hills, California 95762
(916) 939-7550

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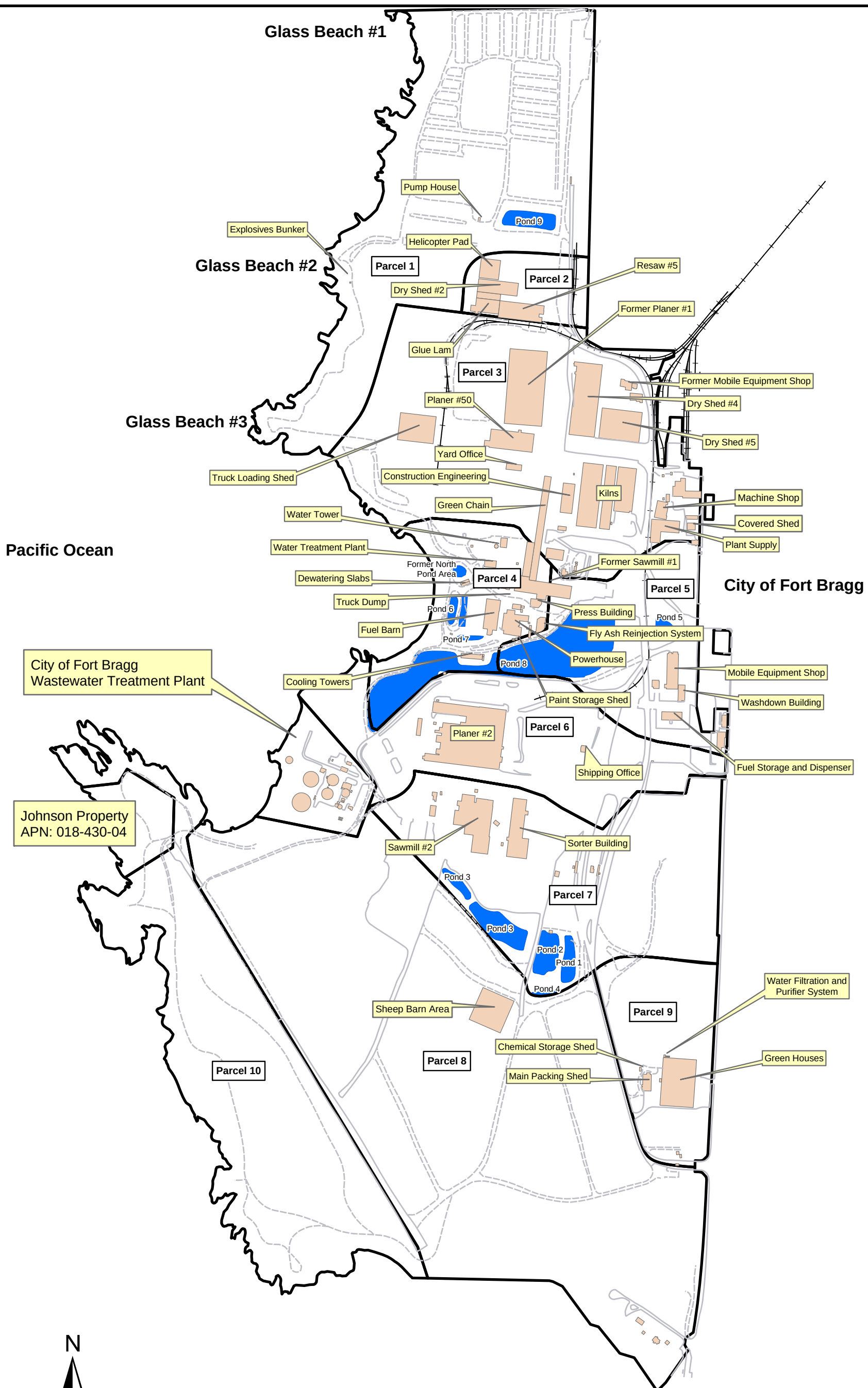

Notes:
1. All locations and dimensions are approximate.

FIGURE 2

SITE MAP WITH BUILDING LOCATIONS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Project No. 16017.07	Drawn By KJJ	Acton Mickelson Environmental, Inc. Consulting Scientists, Engineers, and Geologists
Map File	Prepared By JRH	
	Reviewed By JRH	5175 Hillsdale Circle #100 El Dorado Hills, California 95762 (916) 939-7550
Revison/Date 0 - 12/19/05	Scale As Noted	

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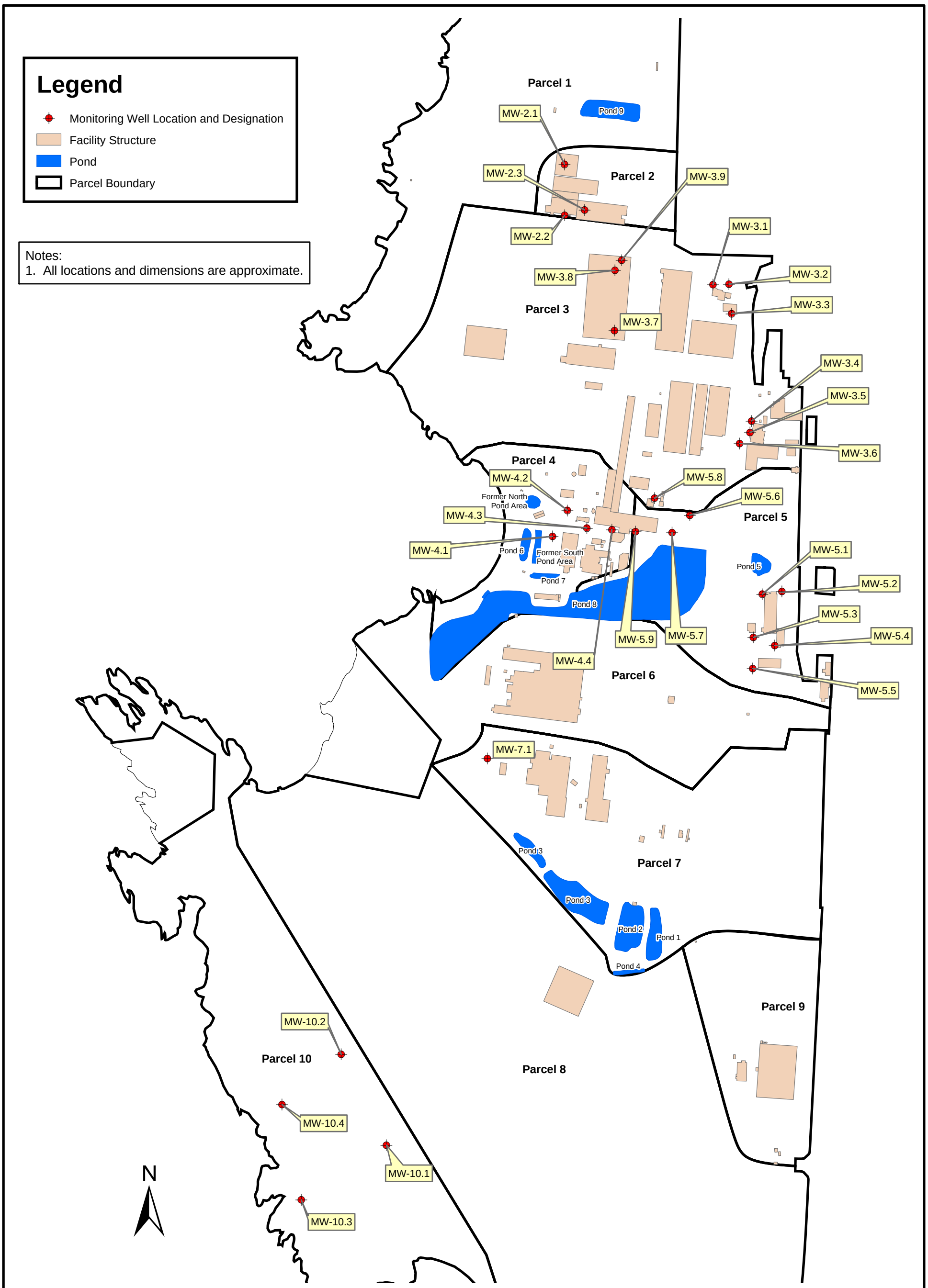

FIGURE 3

GROUND WATER MONITORING WELL LOCATIONS

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Project No. 16017.01	Drawn By KJJ	Acton Mickelson Environmental, Inc. Consulting Scientists, Engineers, and Geologists
Map File	Prepared By JRH	
	Reviewed By JRH	5175 Hillsdale Circle #100 El Dorado Hills, California 95762 (916) 939-7550
Revison/Date 0 - 12/19/05	Scale As Noted	

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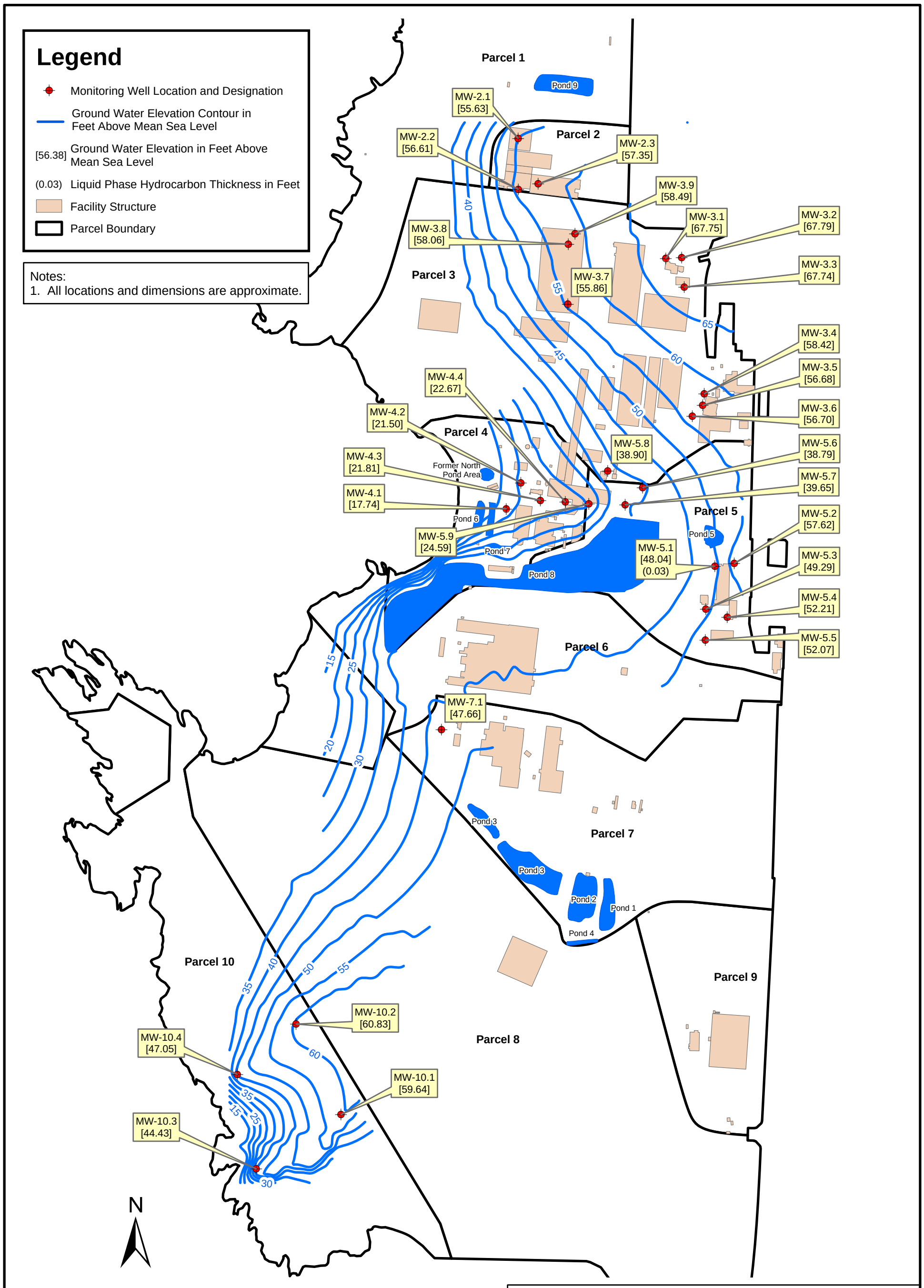

FIGURE 4

GROUND WATER ELEVATION CONTOUR MAP
AUGUST 15-16, 2005

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Project No. 16017.01	Drawn By KJJ	Acton Mickelson Environmental, Inc. Consulting Scientists, Engineers, and Geologists
Map File	Prepared By JRH	5175 Hillsdale Circle #100
	Reviewed By JRH	El Dorado Hills, California 95762
Revison/Date 0 - 12/21/05	Scale As Noted	(916) 939-7550

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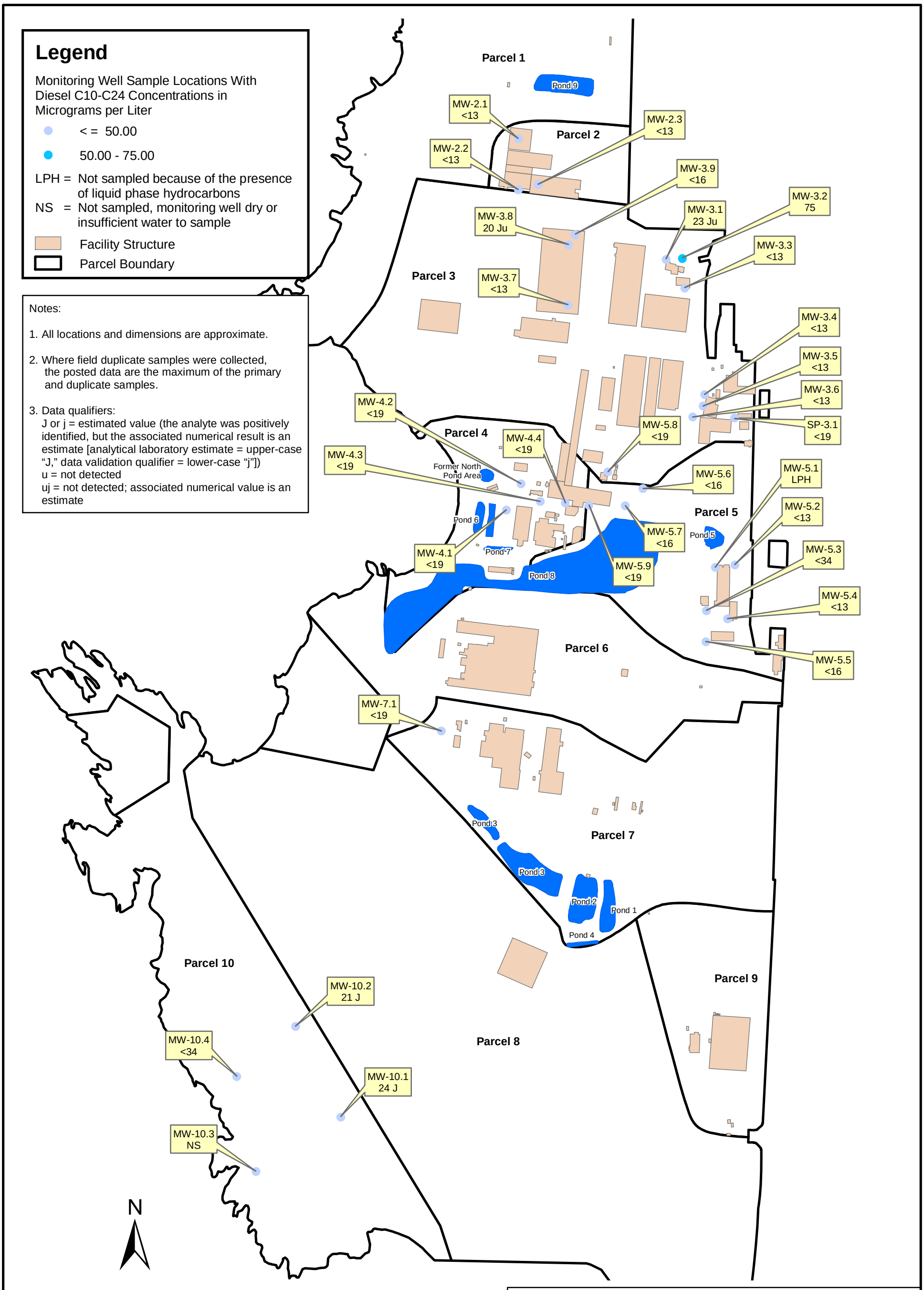

FIGURE 5

TOTAL PETROLEUM HYDROCARBONS AS DIESEL (C10-C24) IN GROUND WATER, AUGUST 15-18, 2005

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Project No. 16017.01	Drawn By KJJ	Acton Mickelson Environmental, Inc. Consulting Scientists, Engineers, and Geologists
Map File	Prepared By JRH	
	Reviewed By JRH	5175 Hillsdale Circle #100 El Dorado Hills, California 95762 (916) 939-7550
Revison/Date 0 - 12/22/05	Scale As Noted	

2005-12-22 i:\16017_fort_bragg_mill_site\01_monitoring\2005_2nd_quarter\mxd\fig05_2005_Q3_diesel_c10-c24.mxd KJJ

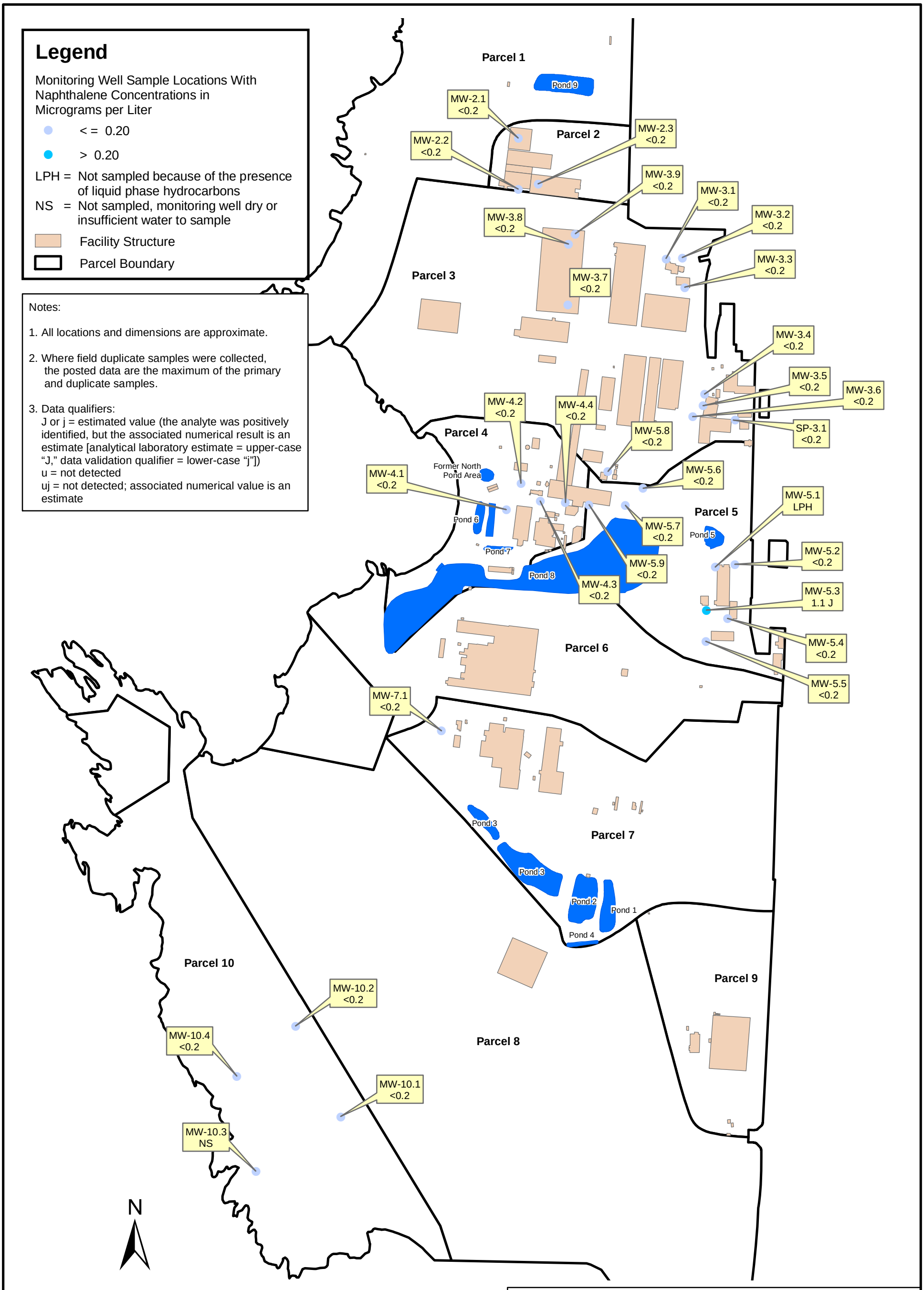

FIGURE 6

NAPHTHALENE IN GROUND WATER
AUGUST 15-18, 2005

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Project No. 16017.01	Drawn By KJJ	Acton Mickelson Environmental, Inc. Consulting Scientists, Engineers, and Geologists
Map File	Prepared By JRH	
	Reviewed By JRH	5175 Hillsdale Circle #100 El Dorado Hills, California 95762 (916) 939-7550
Revison/Date 0 - 12/22/05	Scale As Noted	

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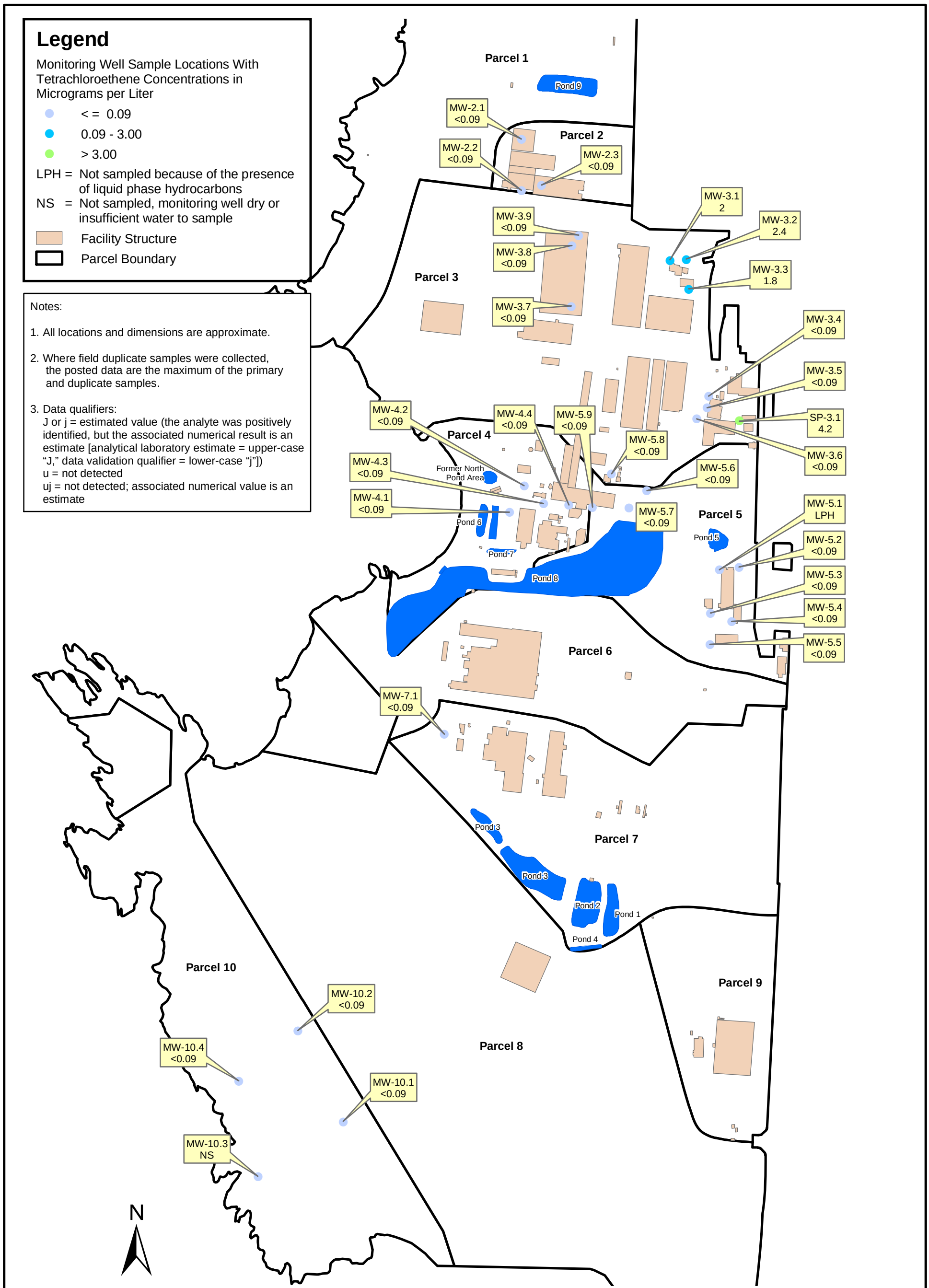


FIGURE 7

TETRACHLOROETHENE IN GROUND WATER
AUGUST 15-18, 2005

Georgia-Pacific California Wood Products Manufacturing Facility
90 West Redwood Avenue, Fort Bragg, California

Project No. 16017.01	Drawn By KJJ	Acton Mickelson Environmental, Inc. Consulting Scientists, Engineers, and Geologists
Map File	Prepared By JRH	
	Reviewed By JRH	5175 Hillsdale Circle #100 El Dorado Hills, California 95762 (916) 939-7550
Revison/Date 0 - 12/22/05	Scale As Noted	

2005-12-22 i:\16017_fort_bragg_mill_site\01_monitoring\2005_2nd_quarter\mxd\fig07_2005_Q3_pce.mxd KJJ

APPENDIX A

Sampling Techniques

APPENDIX A—SAMPLING TECHNIQUES

Proper sampling techniques must be followed so that samples represent actual field conditions and that samples are labeled, preserved, and transported properly to retain sample integrity. This appendix describes procedures to be followed by Acton • Mickelson • Environmental, Inc. (AME), during collection of subsurface soil and ground water samples and remediation system process samples. Sampling guidance documents from the American Society of Testing and Materials (ASTM), U.S. Environmental Protection Agency (EPA), and California Environmental Protection Agency (Cal-EPA) will be followed for all sampling procedures. Actual sampling procedures to be employed will be based on field conditions and may differ from those described here.

1. EXPLORATION BORING/SOIL SAMPLING PROCEDURES

Soil borings and soil sampling will be performed under the direction of an appropriately registered AME professional. The soil borings unless otherwise specified will be advanced using a truck-mounted, hollow-stem auger drill rig.

Soil samples will be collected at vertical intervals of not more than 5 feet. Soil sampling will be done in general accordance with ASTM D1586-84 (reapproved 1992), modified to allow the use of a 2-inch-diameter split-barrel sampler. Using this procedure, three 2-inch-diameter, 6-inch-length, brass tubes are placed in a California-type split-barrel sampler. The sampler is driven into the soil by a 140-pound weight falling 30 inches. After driving the sampler an initial set of 6 inches (seating drive), the number of blows required to drive the sampler an additional 12 inches is known as standard penetration resistance, or the "N" value. The "N" value is used as an empirical measure of the relative density of cohesionless soil and the consistency of cohesive soil.

Upon recovery of the split-barrel sampler, the brass tubes containing the soil will be removed. One of the three brass tubes will be sealed at the ends with Teflon® tape and plastic end caps. The percent recovery of the sample will be recorded. The sample will be labeled with an identification number, time, date, location, and requested laboratory analysis. The sample will then be placed in a plastic bag and stored at approximately 4° Celsius (C) in an ice chest for transport to the laboratory. Sample custody procedures outlined in Section 7 of this exhibit will be followed. This will be performed for each sample collection.

Soil in one of the brass tubes will be extracted upon recovery, placed in a plastic bag, sealed, and placed out of direct sunlight for later screening for organic vapors using a photoionization detector (PID) or a flame ionization detector (FID). The remaining portion of the soil sample will be examined and a complete log of soil conditions will be recorded on a soil boring log (Enclosure A) using the Unified Soil Classification System (Enclosure B). The soil will be examined for composition, color, and moisture content.

The split-barrel sampler will be cleaned to prevent cross-contamination for each sampling interval using procedures described in Section 4.

Soil borings will normally be advanced with 8- or 10-inch-diameter, hollow-stem augers. The soil generated from the soil borings will be stored in 55-gallon drums and labeled with the corresponding boring number, date, and address of the facility. Alternatively, the soil generated from the soil borings may be wrapped in plastic and stored on site until characterized for disposal.

2. MEASUREMENTS OF WATER LEVEL AND APPARENT THICKNESS OF PHASE SEPARATED HYDROCARBONS, ALSO KNOWN AS LIQUID PHASE HYDROCARBONS

For sites where phase separated hydrocarbons (PSH) may be present, the static water level and apparent PSH thickness in each well will be measured with an electronic interface probe prior to purging or sampling. The wire of the interface probe is marked at 0.01 foot intervals. One tone is emitted from the interface probe if PSH is encountered; another tone for water. The wire of the interface probe will be lowered slowly until PSH or water is encountered. At this point, the mark on the interface wire opposite the permanent reference point on the top of the well casing will be read to the nearest 0.01 foot and recorded. If the first encountered substance is PSH, the probe will be lowered until the tone corresponding to water is emitted. This depth will also be recorded. The difference between the two depths corresponds to the apparent PSH thickness. The interface probe will be rinsed in a cleaning solution and deionized water between measurements in different wells.

A disposable bailer will be used to collect a sample of PSH, if present in a well, for subjective analysis. The sample will be collected by gently lowering the bailer approximately one-half the bailer length past the air/PSH interface. The appearance (color, opacity, "freshness") will be described and noted on field notes.

For sites where PSH is not present, either a conductance probe level meter or an electronic interface probe will be used to measure static water level. The conductance probe level meter emits a steady tone upon encountering any conductive fluid (i.e., water). Like the interface probe, the wire of the conductance probe level meter has markings at 0.01 foot intervals, and the procedure for obtaining static water levels with the conductance probe level meter is basically the same as for an interface probe when PSH is not encountered.

A permanent reference point will be marked on the well casings. The permanent reference point on the well casings will be surveyed to a common reference point. All well casing riser elevations will be known to within 0.01 foot.

3. GROUND WATER SAMPLING

Ground water sampling will be done in general accordance with ASTM D4448 (reapproved 1992).

3.1 Well Evacuation

Where monitoring well purging is required prior to collection of a ground water sample, stagnant water will be removed from the well casing and the surrounding gravel pack by bailing, pumping, or with a vacuum truck. At least three casing volumes of water will be removed from each well from which a sample is to be collected (unless low-flow purging is performed for measurement of

dissolved oxygen as described in Section 3.2). The volume of water in the casing will be determined from the known elevation of the water surface, the well bottom elevation (as measured when the well is installed), and the well diameter.

If the well is bailed or pumped during purging, samples will be collected and field analyzed for pH, temperature, and specific conductance. The well will be considered stabilized when repeated readings of the following parameters are within the ranges indicated as follows:

- Specific conductance ±10 percent of the reading range
- pH ±0.1 pH unit
- Temperature ±0.5° C

After stabilization, and after at least three casing volumes are evacuated, a sample will be collected for analysis. The field container used for well stabilization measurements, and the pH, temperature, and conductivity probes will be rinsed between wells with deionized water.

All purge water will be containerized and properly handled and documented for disposal. If the containers are stored on site, a label specifying the date of purging, source, and the known or suspected nature of the contents will be affixed to each container.

3.2 Low-Flow Well Evacuation (Measuring Dissolved Oxygen)

Where accurate measurement of dissolved oxygen (DO) concentration is necessary, a low-flow purging method is used. Ground water is removed from the well at a rate of 0.5 gallon per minute or less. The ground water purge flow is directed into a flow-through sampling chamber containing a field analyzer for DO. The well is considered stabilized and the DO concentration recorded when repeated measurements of DO are within a range of 0.1 milligram per liter. The well can then be sampled as described in Section 3.4 even if less than three casing volumes of ground water are removed.

3.3 Geoprobe® Sampling

Undisturbed ground water samples may be obtained with a Geoprobe® sampling apparatus. When the termination depth of a boring is reached (i.e., when soil is observed to be wet, but not saturated), a Geoprobe® sampling apparatus will be driven approximately 2 feet into the saturated zone. The tool will then be withdrawn approximately 18 inches to expose the inlet screen and allow ground water to flow into the interior of the sampling device. The Geoprobe® will be withdrawn from the subsurface after allowing ample time for the sampling device to fill with ground water.

After the Geoprobe® is retrieved, a stop cock will be attached to the device for sample retrieval. The sample will then be placed in laboratory-supplied containers.

3.4 Sample Collection, Preservation, and Handling

A new polyethylene disposable bailer will be used to collect ground water samples for analysis. The bailer is attached to a new disposable rope and lowered slowly into the water to avoid agitation of the collected sample. Containers for volatile organics analyses will be filled completely so that no airspace remains in the vial after sealing.

All sample containers will be prewashed and prepared at the analyzing laboratory in accordance with quality assurance/quality control protocols of the laboratory. Only sample containers appropriate for the intended analyses will be used.

After sample collection, the samples will be placed into coolers with ice packs. Internal temperature of the cooler will be maintained at approximately 4º C. Samples will be kept in coolers during transport to the analyzing laboratory.

4. REMEDIATION SYSTEM SAMPLING AND MONITORING

4.1 Water Sampling

Water samples will be collected in the container(s) appropriate for the analysis. Containers will be filled from a sampling port. After collection, samples will be placed into coolers maintained at approximately 4 degrees C and kept in coolers until delivery to the analyzing laboratory.

4.2 Air and Soil Vapor Sampling

Process air and soil vapor samples for laboratory analysis will be collected in either Tedlar sampling bags or evacuated Summa canisters. The sampling container will be filled from a process sampling port. A vacuum pump connected to the sampling port will be used to fill Tedlar bags, and to fill Summa canisters when the sample is from a process point under vacuum. After collection, samples will be placed into coolers at ambient temperature to block exposure to direct sunlight and will be kept in coolers until delivery to the analyzing laboratory.

4.3 Air and Soil Vapor Monitoring

Field monitoring of process air (or soil vapor) will normally be performed with an FID. Using a sampling port with discharge tubing running into an open-top sample bottle (e.g., 500-milliliter polyethylene), the sampling port valve is opened to allow sample flow into the sample bottle. A vacuum pump is used to produce sample flow from process points under low or negative pressure. With sample flowing through the open-top bottle, the FID probe is inserted into the sample bottle and the reading recorded upon reaching steady state. As an alternative to the FID, a Draeger® tube can be inserted in the sample bottle and a measurement obtained following the specific instructions for the type of tube used.

Field monitoring of vadose zone soil vapor may be performed with an FID or a lower explosive limit (LEL) meter. The probe of the FID or LEL meter is lowered to the screen interval of the well and the highest reading is recorded. Alternatively, a vacuum pump can be connected to the wellhead and a measurement obtained from a sample bottle as described above.

5. DECONTAMINATION PROCEDURES

All equipment that comes in contact with potentially contaminated soil, drilling fluid, air, or water will be decontaminated before each use. Decontamination will consist of steam-cleaning, a high-pressure, hot-water rinse, or trisodium phosphate (TSP) or Alconox®/Liquinox® wash and freshwater rinse, as appropriate.

Drilling and sampling equipment will be decontaminated as follows:

1. Drill rig augers, drill rods, and drill bits will be steam-cleaned prior to use and between borings. Visible soil, grease, and other impurities will be removed.

2. Soil sampling equipment will be steam-cleaned prior to use and between each boring. Prior to individual sample collection, any sampling device will also be cleaned in a TSP or Alconox®/Liquinox® solution and rinsed twice in clean water. Any visible soil residue will be removed.

3. It is anticipated that disposable equipment will be used to collect water samples. If disposable equipment is not used, water sampling equipment will be decontaminated using methods described in Item 2 above for soil sampling equipment.

4. Water sampling containers will be cleaned and prepared by the respective analytical laboratories.

5. Stainless steel or brass soil sampling tubes will be steam-cleaned or washed in TSP or Alconox®/Liquinox® solution and rinsed with clean water.

6. Field monitoring equipment (pH, conductivity, or temperature probes) will be rinsed with clean water prior to use and between samples.

6. FIELD MEASUREMENTS

Field data will be collected during various sampling and monitoring activities; this section describes routine procedures to be followed by personnel performing field measurements. The methods presented below are intended to ensure that field measurements are consistent and reproducible when performed by various individuals.

6.1 Buried Utility Locations

Prior to commencement of work on site, AME will contact appropriate utility companies to have underground utility lines located. All work associated with the borings will be preceded by hand augering to a minimum depth of 5 feet below the ground surface to avoid contact with underground utilities.

6.2 Lithologic Logging

A log of soil conditions encountered during drilling and sample collection (Enclosure A) will be maintained using the Unified Soil Classification System (Enclosure B) by an AME geologist. All boring logs will be reviewed by a California registered geologist.

The collected soil samples will be examined and the following information recorded: boring location, sample interval and depth, blow counts, color, soil type, moisture content (qualitative), and depth at which ground water (if present) is first encountered. Also recorded on the soil boring logs will be the field screening results obtained using a portable PID or FID.

6.3 Conductivity, Temperature, and pH

Specific conductance, water temperature, and pH measurements will be made when a water sample is collected. Regardless of the sample collection method, a representative water sample will be placed in a transfer bottle used solely for field parameter determinations. A conventional pH meter with a combination electrode or equivalent will be used for field-specific conductance measurements. Temperature measurements will be performed using standard thermometers or equivalent temperature meters. Combination instruments capable of measuring two or all three of the parameters may also be used.

All instruments will be calibrated in accordance with manufacturer methods. The values for conductivity standards and pH buffers used in calibration will be recorded daily in a field notebook. All probes will be thoroughly cleaned and rinsed with fresh water prior to any measurements, in accordance with Section 5.

7. DISPOSAL PROCEDURES

Soil and fluids that are produced and/or used during the installation and sampling of borings, and that are known or suspected to contain potentially hazardous materials, will be contained during the above operations. These substances will be retained on site until chemical testing has been completed to determine the proper means of disposal. Handling and disposal of substances known or suspected to contain potentially hazardous materials will comply with the applicable regulations of the Cal-EPA, the California Department of Water Resources, and any other applicable regulations. Soil and fluids produced and/or used during the above-described operations that appear to contain potentially hazardous materials will be disposed of appropriately.

Residual substances generated during cleaning procedures that are known or suspected to pose a threat to human health or the environment will be placed in appropriate containers until chemical testing has been completed to determine the proper means for their disposal.

8. SAMPLE CUSTODY

This section describes standard operating procedures for sample custody and custody documentation. Sample custody procedures will be followed through sample collection, transfer, analysis, and ultimate disposal. The purpose of these procedures is to assure that (1) the integrity of samples is maintained during their collection, transportation, and storage prior to analysis and (2) post-analysis sample material is properly disposed of. Sample custody is divided into field procedures and laboratory procedures, as described below.

8.1 Field Custody Procedures

Sample quantities, types, and locations will be determined before the actual fieldwork commences. As few people as possible will handle samples. The field sampler is personally responsible for the care and custody of the collected samples until they are properly transferred.

8.1.1 Field Documentation

Each sample will be labeled and sealed properly immediately after collection. Sample identification documents will be carefully prepared so that identification and chain-of-custody records can be maintained and sample disposition can be controlled. Forms will be filled out with waterproof ink. The following sample identification documents will be utilized.

- Sample labels
- Field notebook
- Chain-of-custody forms

8.1.2 Sample Labels

Sample labels provide identification of samples. Preprinted sample labels will be provided. Where necessary, the label will be protected from water and solvents with clean label-protection tape. Each label will contain the following information:

- Name of collector
- Date and time of collection
- Place of collection
- AME project number
- Sample number
- Preservative (if any)

8.1.3 Field Notebook

Information pertinent to a field survey, measurements, and/or sampling will be recorded in a bound notebook or on the daily field log. Entries in the notebook should include the following:

- Name and title of author, date and time of entry, and physical/environmental conditions during field activity.
- Location of sampling or measurement activity
- Name(s) and title(s) of field crew
- Type of sampled or measured media (e.g., soil, ground water, and air)
- Sample collection or measurement method(s)
- Number and volume of sample(s) taken
- Description of sampling point(s)
- Description of measuring reference points
- Date and time of collection or measurement
- Sample identification number(s)
- Sample preservative (if any)
- Sample distribution (e.g., laboratory)
- Field observations/comments
- Field measurements data (e.g., pH)

8.1.4 Chain-of-Custody Record

A chain-of-custody record will be filled out for and will accompany every sample and every shipment of samples to the analytical laboratories in order to establish the documentation necessary to trace sample possession from the time of collection. The record will contain the following information:

- Sample or station number or sample ID
- Signature of collector, sampler, or recorder
- Date and time of collection
- Place of collection
- Sample type
- Signatures of persons involved in the chain of possession
- Inclusive dates of possession

The laboratory portion of the form should be completed by laboratory personnel and will contain the following information:

- Name of person receiving the sample
- Laboratory sample number
- Date and time of sample receipt
- Analyses requested
- Sample condition and temperature

8.1.5 Sample Transfer and Shipment

Samples will always be accompanied by a chain-of-custody record. When transferring samples, the individuals relinquishing and receiving the samples will sign, date, and note the time on the chain-of-custody record. Samples will be packaged properly for shipment and dispatched to the appropriate laboratory for analysis. The chain-of-custody record will accompany each shipment. The method of shipment, courier name(s), and other pertinent information will be entered in the chain-of-custody record.

8.2 Laboratory Custody Procedures

A designated sample custodian will accept custody of the shipped samples and verify that the information on the sample label matches that on the chain-of-custody record. Information regarding method of delivery and sample conditions will also be checked on the chain-of-custody record. The custodian will then enter the appropriate data into the laboratory sample tracking system. The laboratory custodian may use the sample number on the sample label or may assign a unique laboratory number to each sample. The custodian will then transfer the sample(s) to the proper analyst(s) or store the sample(s) in the appropriate secure area.

Laboratory personnel are responsible for the care and custody of samples from the time they are received until the sample is exhausted. Once at the laboratory, the samples are handled in accordance with *U.S. Environmental Protection Agency SW-846, Test Methods for Evaluating Solid Waste Physical/Chemical Methods, Third Edition*, for the intended analyses. All data sheets, chromatographs, and laboratory records will be filed as part of the permanent documentation.

8.3 Corrections to Documentation

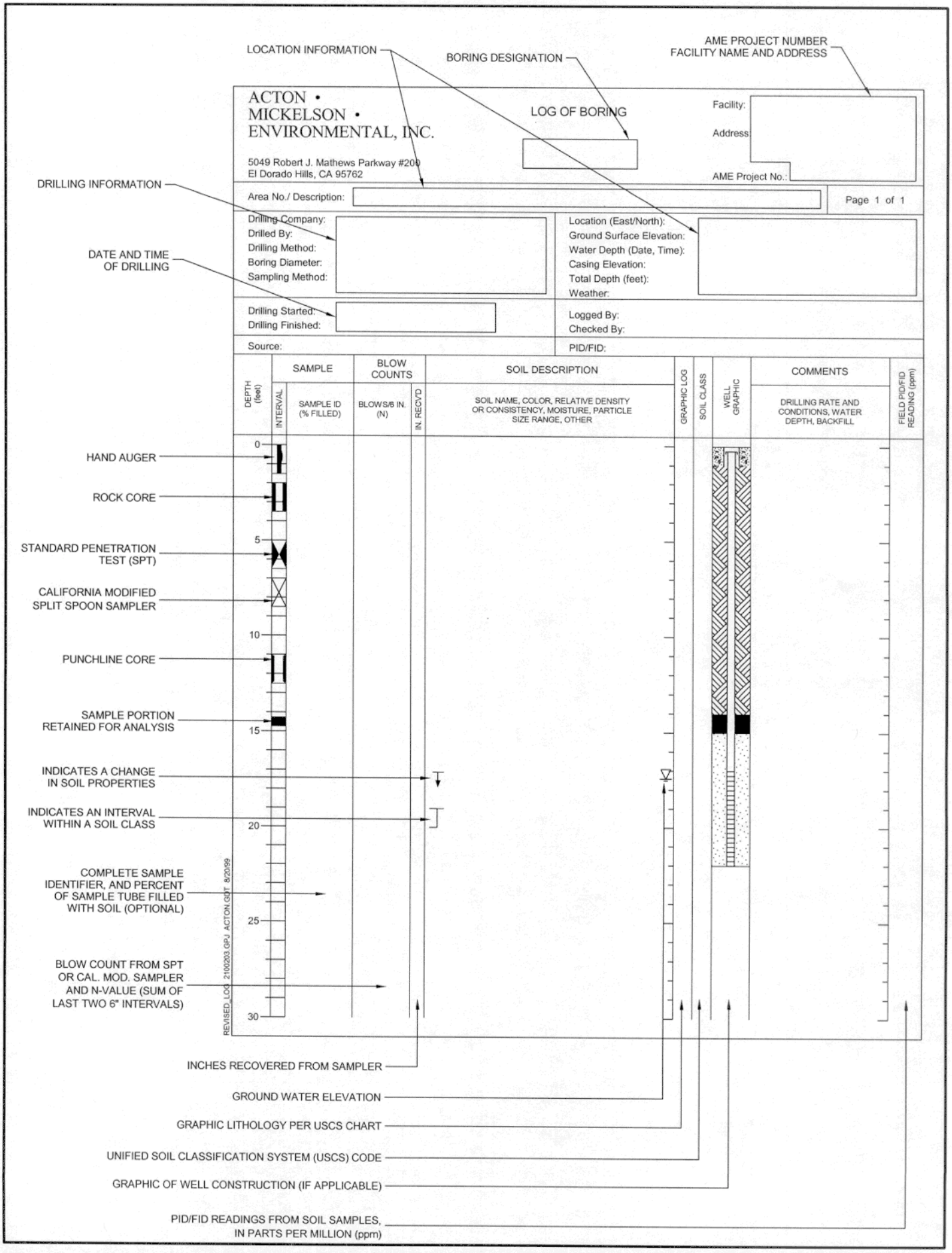
Original data recorded in field notebooks, chain-of-custody records, and other forms should be written in ink. These documents should not be altered, destroyed, or discarded, even if they are illegible or contain inaccuracies that require a replacement document.

If an error is made or found on a document, the individual making the corrections will do so by crossing a single line through the error, entering the correct information, and initialing and dating the change. The erroneous information will be obliterated. Any subsequent error(s) discovered on a document will be corrected. All corrections will be initialed and dated.

8.4 Sample Storage and Disposal

Samples and extracts should be retained by the analytical laboratory for 30 days after receipt. Unless notified by the program manager, excess or unused samples should be disposed of by the laboratory in an appropriate manner consistent with applicable government regulations.

ENCLOSURE A
BORING LOG KEY



ENCLOSURE B
UNIFIED SOIL CLASSIFICATION SYSTEM CHART

MAJOR DIVISION			SYMBOL		GROUP NAME[A] AND TYPICAL DESCRIPTION
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL RETAINED ON NO. 200 SIEVE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LESS THAN 5% FINES)		GW[B]	**WELL-GRADED GRAVEL[C]**: GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
				GP[B]	**POORLY-GRADED GRAVEL[C]**: GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (MORE THAN 15% FINES)		GM[B]	**SILTY GRAVEL[C]**: GRAVEL - SAND - SILT MIXTURES
				GC[B]	**CLAYEY GRAVEL[C]**: GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LESS THAN 5% FINES)		SW	**WELL-GRADED SAND[D]**: GRAVELLY SANDS, LITTLE OR NO FINES
				SP	**POORLY-GRADED SAND[D]**: GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES (MORE THAN 15% FINES)		SM	**SILTY SAND[D]**: SAND - SILT MIXTURES
				SC	**CLAYEY SAND[D]**: SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL PASSES THE NO. 200 SIEVE	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	**SILT[E]**: INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	**LEAN CLAY[E]**: INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	**ORGANIC CLAY/ORGANIC SILT[E]**: ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT 50 OR GREATER		MH	**ELASTIC SILT[E]**: INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	**FAT CLAY[E]**: INORGANIC CLAYS OF HIGH PLASTICITY
				OH	**ORGANIC CLAY/ORGANIC SILT[E]**: ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	**PEAT**: HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTES: A) IF FIELD SAMPLE CONTAINS COBBLES OR BOULDERS, ADD "WITH COBBLES" AND/OR "WITH BOULDERS" TO GROUP NAME
B) DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS WITH 5-15% FINES. ADD "WITH SILT" OR "WITH CLAY" TO GROUP NAME
C) IF SOIL CONTAINS 15% OR MORE SAND, ADD "WITH SAND" TO GROUP NAME
D) IF SOIL CONTAINS 15% OR MORE GRAVEL, ADD "WITH GRAVEL" TO GROUP NAME
E) IF SOIL CONTAINS 30% OR MORE PLUS NO. 200, ADD "SANDY" OR "GRAVELLY" TO GROUP NAME. IF 15-25%, ADD "WITH SAND" OR "WITH GRAVEL", WHICHEVER IS PREDOMINANT.

APPENDIX B

Sampling/Development Information Forms

GROUND WATER LEVEL DATA

ACTON MICKELSON ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia Pacific Sawmill
Facility/Address: 90 West Redwood Avenue, Fort Bragg, Ca
Project Number: 16017.01

Date: 8/19/05 Field Crew: TEC JS, JM Measuring Device and Number: Solinst Model 122

Well No.	Time	Depth to Product (feet bmp)	Depth to Ground Water (feet bmp)	Product Thickness (feet)	Reference Elevation (feet msl)	Ground Water Elevation (feet msl)	Physical Observations/Comments
MW-5.1	1421	10.27	10.30	0.03	58.32	48.04	Smells like Diesel
MW-5.2	1435	~~*~~	1.99		59.61	57.62	
MW-5.3	1441		7.42		56.71	49.29	
MW-5.4	1439		6.78		58.99	52.21	
MW-5.5	1444		5.49		57.56	52.07	
MW-5.6	1455		11.28		50.07	38.79	
MW-5.7	14:50		5.18		44.83	39.65	
MW-5.8	14:56		6.72		45.62	38.90	
MW-5.9	1501		6.73		31.32	~~24.98~~ 24.59	
MW-7.1	1537		6.37		54.03	~~24.59~~ 47.66	
MW-10.1	1553		19.18		78.82	59.64	
MW-10.2	1559		9.86		70.69	60.83	
MW-10.3	15:48		27.19		71.62	44.43	Lock is bad
MW-10.4	15:44		26.37		73.42	47.05	Lock is bad
Pond 8 North Outfall	16:09		Dry		40.05	—	
Pond 8 South Outfall	16:10		0.10		40.11	40.01	

Signature: [illegible]

Comments:

GROUND WATER LEVEL DATA

ACTON MICKELSON ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia Pacific Sawmill
Facility/Address: 90 West Redwood Avenue, Fort Bragg, Ca
Project Number: 16017.01

Date: 8/15/05 Field Crew: TC, JS, JM Measuring Device and Number: Solinst Model 122

Well No.	Time	Depth to Product (feet bmp)	Depth to Ground Water (feet bmp)	Product Thickness (feet)	Reference Elevation (feet msl)	Ground Water Elevation (feet msl)	Physical Observations/Comments (Solinst Model 122)
MW-2.1	1308		5.16		60.79	55.63	
MW-2.2	1321		4.09		60.70	56.61	
MW-2.3	1318		5.32		62.67	57.35	
MW-3.1	13:50		8.32		76.07	67.75	
MW-3.2	13:54		8.39		76.18	67.79	
MW-3.3	1409		6.48		74.22	67.74	Block windows in well box Great.
MW-3.4	14:12		2.42		60.84	58.42	
MW-3.5	14:14		2.72		59.40	56.68	
MW-3.6	14.17		0.91		57.61	56.70	water in box
MW-3.7	13:39		7.38		63.24	55.86	
MW-3.8	13:36		5.38		63.44	58.06	
MW-3.9	13:34		4.83		63.32	58.49	
MW-4.1	1527		5.17		22.91	17.74	
MW-4.2	15:25		6.67		28.12	21.50	Well has been hit surface completion does
8/16/05 MW-4.3	14:20		3.38		25.19		Well buried under several tons of concrete
MW-4.4	15:06		3.87		26.54	22.67	

Signature:

Comments:

4.2 not look right collected photos
A gap between concrete & dirt.

GROUND WATER LEVEL DATA

ACTON MICKELSON ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia Pacific Sawmill
Facility/Address: 90 West Redwood Avenue, Fort Bragg, Ca
Project Number: 16017.01

Date: 8/15/05 Field Crew: TEC, JDM, JS Measuring Device and Number: Solinst Model 122

Well No.	Time	to Product (feet bmp)	Depth to Ground Water (feet bmp)	Product Thickness (feet)	Reference Elevation (feet msl)	Ground Water Elevation (feet msl)	Physical Observations/Comments
MW-2.1	1308		5.16		60.79	55.63	
MW-2.2	1321		4.09		60.70	56.61	
MW-2.3	1318		5.32		62.67	57.35	
MW-3.1	1350		8.32		76.07	67.75	
MW-3.2	1359		8.39		76.18	67.79	
MW-3.3	1405		6.48		74.22	67.74	Black widows in well box
MW-3.4	1412		2.42		60.84	58.42	
MW-3.5	1414		2.72		59.40	56.68	
MW-3.6	1417		0.91		57.61	56.70	
MW-3.7	1339		7.38		63.24	55.86	water in well box
MW-3.8	1336		5.38		63.44	58.06	
MW-3.9	1334		4.83		63.32	58.49	
MW-4.1	1527		5.17		22.91	17.74	
MW-4.2	1525		6.62		28.12	21.50	Well has been hit, concrete separated from native soil.
MW-4.3	1425		3.38		25.19	21.81	well covered with concrete debris Uncovered 8/16/05 Gauged
MW-4.4	1506		3.87		26.54	22.67	

Signature:

Comments: Should replace all well locks. Over 80 Percent are in bad shape.

GROUND WATER LEVEL DATA

ACTON MICKELSON ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia Pacific Sawmill
Facility/Address: 90 West Redwood Avenue, Fort Bragg, Ca
Project Number: 16017.01

Date: 8/15/05 Field Crew: TEC, JDM, JS Measuring Device and Number: Solinst Model 122

Well No.	Time	to Product (feet bmp)	Depth to Ground Water (feet bmp)	Product Thickness (feet)	Reference Elevation (feet msl)	Ground Water Elevation (feet msl)	Physical Observations/Comments
MW-5.1	1421	10.27	10.3	0.03	58.32	48.04	
MW-5.2	1435		1.99		59.61	57.62	
MW-5.3	1441		7.42		56.71	49.29	
MW-5.4	1439		6.78		58.99	52.21	
MW-5.5	1444		5.49		57.56	52.07	
MW-5.6	1455		11.28		50.07	38.79	
MW-5.7	1450		5.18		44.83	39.65	
MW-5.8	1456		6.72		45.62	38.90	
MW-5.9	1500		6.73		31.32	24.59	
MW-7.1	1537		6.37		54.03	47.66	
MW-10.1	1553		19.18		78.82	59.64	Lock needs to be replaced
MW-10.2	1559		9.86		70.69	60.83	Lock needs to be replaced
MW-10.3	1548		27.19		71.62	44.43	Lock needs to be replaced
MW-10.4	1544		26.37		73.42	47.05	Lock needs to be replaced
Pond 8 North Outfall	1609				40.05	40.05	Outfall Dry
Pond 8 South Outfall	1610		0.1		40.11	40.01	

Signature:

Comments:

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-2.1 — **Date: 8/15/2005**

Sample ID: MW-2.1-08 15 05 — Field Crew: TEC, JRS, JDM

QA/QC Sample IDs: — Purging Subcontractor: NA

MS/MSD for this Sample? ☑ — Weather: Sunny / windy

Location Description: Monitoring Well — FID/PID at Well Headspace (ppm): NA

Well Condition: OK

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 5.00 to 19.75

Depth to Water (H, feet bmp): 5.28 8/15/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 16'

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( ) ORP	Notes (e.g. pump setting, adjustments)
1320	0	0								Start purge.
1324	0.25	1	5.45	5.40	0.258	37.8	0	17.8	51	
1328	0.25	2 5.40	~~5.40~~	5.36	0.257	27.9	0	17.9	53	
1332	0.25	3	5.45	5.38	0.259	27.9	0	18.0	55	
										FE 1.5
										End purge.

Time Samples Collected: 1332 — Note Any Sampling Problem: None

Sample Appearance: clear — Equipment Decontamination: None

Laboratory: Curtis&Tompkins — Purge Water Disposition: On site tank

Water Meter Model/No: Horiba u22XD Solinst 101 reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	9	☐	HCl	
VOCs Low Level	8260B	VOA	40	9	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	6	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	3	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	3	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	3	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	3	☐	None	Report to MDL.

Comments:

Signature: John R. Shoal — Date: 8-15-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-2.2
Sample ID: MW-2.2-08 15 05
QA/QC Sample IDs:
MS/MSD for this Sample? ☐
Location Description: Monitoring Well
Well Condition: OK

Date: 8/15/2005
Field Crew: TEC, JRS, JDM
Purging Subcontractor: NA
Weather: cloudy
FID/PID at Well Headspace (ppm): NA

PURGING PARAMETERS

Casing Diameter (D, inches) 4
Approx. Screen Depth (feet bmp): 5.00 to 19.75
Depth to Water (H, feet bmp): 4.14
Casing Volume (gallons): NA
Calculated Purge Volume (gallons): NA
Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 16.5'

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1500	0	0							ORP	Start purge.
1504	0.25	1	4.15	6.50	0.260	12.2	2.15	17.0	72	
1508	0.25	2	4.16	6.49	0.259	6.1	1.30	17.0	77	
1512	0.25	3	4.17	6.47	0.257	2.6	1.24	17.0	83	
1516	0.25	4	4.17	6.46	0.256	2.8	1.25	17.0	85	Fe 0.0
										End purge.

Time Samples Collected: 1518
Sample Appearance: clear
Laboratory: Curtis&Tompkins
Note Any Sampling Problem: None
Equipment Decontamination: None
Purge Water Disposition: On site tank
Water Meter Model/No: Horiba U22XD Solinst 101 reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments: Chemets D.O. = 2.0

Signature: John R Shaal

Date: 8-15-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-2.3
Sample ID: MW-2.3-08 15 05
QA/QC Sample IDs:
MS/MSD for this Sample? ☐
Location Description: Monitoring Well
Well Condition: OK

Date: 8/15/2005
Field Crew: TEC, JRS, JDM
Purging Subcontractor: NA
Weather: cloudy
FID/PID at Well Headspace (ppm): NA

PURGING PARAMETERS

Casing Diameter (D, inches) 4
Approx. Screen Depth (feet bmp): 5.00 to 19.75
Depth to Water (H, feet bmp): 5.35
Casing Volume (gallons): NA
Calculated Purge Volume (gallons): NA
Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 17.00'

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1605	0	0							ORP	Start purge.
1609	0.25	1	5.39	5.98	0.238	28.7	.30	14.8	111	
1613	0.25	2	5.39	5.96	0.235	20.3	0.05	14.8	113	
1617	0.25	3	5.39	5.98	0.237	15.3	0.03	14.8	114	
1621	0.25	4	5.39	5.99	0.236	16.0	0.00	14.7	116	Fe = 0.0
										End purge.

Time Samples Collected: 1625
Sample Appearance: clear
Laboratory: Curtis&Tompkins
Note Any Sampling Problem: None
Equipment Decontamination: None
Purge Water Disposition: On site tank
Water Meter Model/No: Horiba U22XD Solinst 101 reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R Shaal
Date: 8-15-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: SP-3.1

Sample ID: SP-3.1-08 19 05

QA/QC Sample IDs:

MS/MSD for this Sample? ☐

Location Description: Spring

Well Condition: NA/ Spring

Date: 8/19/2005

Field Crew: TEC/JRS-JDM

Purging Subcontractor: NA

Weather: overcast

FID/PID at Well Headspace (ppm): NA

PURGING PARAMETERS

Casing Diameter (D, inches) NA

Approx. Screen Depth (feet bmp): NA to

Depth to Water (H, feet bmp): NA

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): NA

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
0830	0	0							ORP	Start purge.
0834	0.25	1		6.43	0.238	0.0	4.33	17.8	78	
0838	0.25	2		6.47	0.239	0.0	3.86	19.9	83	
0842	0.25	3		6.48	0.237	0.0	3.79	17.9	87	
										Fe = 0.0
										End purge.

Time Samples Collected: 0845

Sample Appearance: clear

Laboratory: Curtis&Tompkins

Note Any Sampling Problem: none

Equipment Decontamination: None

Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

flow = 4 seconds/3 cups (repeated 5 times)

Comments:

Signature: John R Shaal

Date: 8-19-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-3.1
Sample ID: MW-3.1-0816 05
QA/QC Sample IDs: MW-DUP1-0816 05
MS/MSD for this Sample? ☐
Location Description: Monitoring Well
Well Condition: OK

Date: 8/16/2005
Field Crew: TEC, JRS, JDM
Purging Subcontractor: NA
Weather: overcast/misty
FID/PID at Well Headspace (ppm): NA

PURGING PARAMETERS

Casing Diameter (D, inches) 4
Approx. Screen Depth (feet bmp): 4.50 to 24.25
Depth to Water (H, feet bmp): 8.35 8/16/05
Casing Volume (gallons): NA
Calculated Purge Volume (gallons): NA
Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 21.25

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
0830	0	0								Start purge.
0834	0.25	1	8.35	6.37	0.268	16.2	5.71	17.0		
0838	0.25	2	8.35	6.41	0.266	17.9	5.21	17.1		
0842	0.25	3	8.35	6.40	0.263	16.7	5.1	17.1		Fe 0.0
									ORP	
									83	
									86	
									86	
										End purge.

Time Samples Collected: 0845
Sample Appearance: clear
Laboratory: Curtis&Tompkins

Note Any Sampling Problem: None
Equipment Decontamination: None
Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22 XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	6	☐	HCl	
VOCs Low Level	8260B	VOA	40	6	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	4	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	2	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	2	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	2	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	2	☐	None	Report to MDL.

Comments:

Signature: John R Shaal
Date: 8-16-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-3.2
Sample ID: MW-3.2-08 16 05
QA/QC Sample IDs:
MS/MSD for this Sample? ☐
Location Description: Monitoring Well
Well Condition: OK

Date: 8/16/2005
Field Crew: TEC/JRS/JDM
Purging Subcontractor: NA
Weather: overcast
FID/PID at Well Headspace (ppm): NA

PURGING PARAMETERS

Casing Diameter (D, inches) 4
Approx. Screen Depth (feet bmp): 8.00 to 23.25
Depth to Water (H, feet bmp): 8.42 8/16/05
Casing Volume (gallons): NA
Calculated Purge Volume (gallons): NA
Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ~ 20

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
0933	0	0							ORP	Start purge.
0937	0.25	1	8.42	6.59	0.311	77.4	7.37	17.2	77	
0941	0.25	2	8.42	6.48	0.276	37.9	6.33	17.4	67	
0945	0.25	3	8.42	6.42	0.251	24.0	5.76	17.5	52	Fe=0.0
0949	0.25	4	8.42	6.40	0.248	23.0	5.59	17.5	49	
										End purge.

Time Samples Collected: 0950
Sample Appearance: sl. cloudy
Laboratory: Curtis&Tompkins

Note Any Sampling Problem: None
Equipment Decontamination: None
Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R Shaal
Date: 8-16-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-3.3 **Date:** 8/16/2005

Sample ID: MW-3.3-081605 Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: Purging Subcontractor: NA

MS/MSD for this Sample? ☐ Weather: cloudy

Location Description: Monitoring Well FID/PID at Well Headspace (ppm): NA

Well Condition: OK Blk widows!

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 5.00 to 24.75

Depth to Water (H, feet bmp): 6.55 8/16/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): 2-21

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1022	0	0							ORB	Start purge.
1026	0.25	1	6.55	7.14	0.391	14.5	6.17	16.3	93	
1030	0.25	2	6.55	7.18	0.393	8.9	5.99	16.4	90	
1034	0.25	3	6.55	7.21	0.394	8.7	6.01	16.4	83	Fe = 0.0
										End purge.

Time Samples Collected: 1035 Note Any Sampling Problem: None

Sample Appearance: clear Equipment Decontamination: None

Laboratory: Curtis&Tompkins Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments: chemets DO = 1.0

Signature: John R Shaal Date: 8-16-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-3.4

Date: 8/16/2005

Sample ID: MW-3.4-08 16 05

Field Crew: TEC/JRS/JDM

QA/QC Sample IDs:

Purging Subcontractor: NA

MS/MSD for this Sample? ☐

Weather: cloudy

Location Description: Monitoring Well

FID/PID at Well Headspace (ppm): NA

Well Condition: OK

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 4.10 to 9.75

Depth to Water (H, feet bmp): 2.9 8/16/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): 2 7

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1105	0	0							ORP	Start purge.
1109	0.25	1	3.41	12.35	0.999	8.2	7.38	20.7	-208	
1113	0.25	2	3.75	12.28	0.883	5.2	6.19	21.0	-205	
1117	0.25	3	4.30	12.08	0.670	6.2	5.71	21.2	-163	
1121	0.25	4	4.41	11.9	0.650	6.5	5.80	21.4	-137	Fe = 0.0
										End purge.

Time Samples Collected: 1123

Note Any Sampling Problem: None

Sample Appearance: clear

Equipment Decontamination: None

Laboratory: Curtis&Tompkins

Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John P Schaal

Date: 8-16-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-3.5 **Date: 8/16/2005**

Sample ID: MW-3.5-081605 Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: Purging Subcontractor: NA

MS/MSD for this Sample? ☐ Weather: cloudy

Location Description: Monitoring Well FID/PID at Well Headspace (ppm): NA

Well Condition: OK

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 2.50 to 12.50

Depth to Water (H, feet bmp): 3.15 8/16/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): 2 10

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1201	0	0							ORP	Start purge.
1205	0.25	1	3.15	6.87	0.315	0.0	5.96	21.0	89	
1209	0.25	2	3.25	6.68	0.318	0.1	5.42	21.0	90	
1213	0.25	3	3.29	6.59	0.316	0.0	5.30	21.0	91	
										Fe = 0.0
										End purge.

Time Samples Collected: 1215 Note Any Sampling Problem: None

Sample Appearance: clear Equipment Decontamination: None

Laboratory: Curtis&Tompkins Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R Shaal Date: 8-16-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-3.6 **Date: 8/16/2005**

Sample ID: MW-3.6-0816 05 Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: Purging Subcontractor: NA

MS/MSD for this Sample? ☐ Weather: cloudy

Location Description: Monitoring Well FID/PID at Well Headspace (ppm): NA

Well Condition: OK

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 2.50 to 12.50

Depth to Water (H, feet bmp): 1.89 8/16/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 10

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1246	0	0							ORP	Start purge.
1250	0.25	1	1.89	6.38	0.321	16.9	6.58	20.4	-17	
1254	0.25	2	1.95	6.40	0.318	16.8	5.23	20.9	-20	
1258	0.25	3	1.99	6.38	0.317	8.0	4.84	21.1	-22	
1302	0.25	4	2.00	6.35	0.317	7.6	4.75	21.4	-21	Fe = 2.4
										End purge.

Time Samples Collected: 1304 Note Any Sampling Problem: None

Sample Appearance: clear Equipment Decontamination: None

Laboratory: Curtis&Tompkins Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 100 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R Shaal Date: 8-16-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-3.7 — **Date: 8/17/2005**

Sample ID: MW-3.7-0817 05 — Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: — Purging Subcontractor: NA

MS/MSD for this Sample? ☐ — Weather: foggy

Location Description: Monitoring Well — FID/PID at Well Headspace (ppm): NA

Well Condition: OK No Lock

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 5.00 to 24.75

Depth to Water (H, feet bmp): 7.42 8/17/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 22

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
0807	0	0							ORP	Start purge.
0811	0.25	1	7.49	6.69	0.509	19.0	~~20.10~~ 1.93	16.3	-14	
0815	0.25	2	7.51	7.02	0.513	8.6	0.50	16.7	-39	
0819	0.25	3	7.51	7.07	0.511	8.2	0.34	16.8	-46	
										Fe= 0.5
										End purge.

Time Samples Collected: 0820 — Note Any Sampling Problem: none

Sample Appearance: clear — Equipment Decontamination: None

Laboratory: Curtis&Tompkins — Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R. Shaal — Date: 8-17-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-3.8 **Date: 8/17/2005**

Sample ID: MW-3.8-08 17 05 Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: Purging Subcontractor: NA

MS/MSD for this Sample? ☐ Weather: Ptly cloudy

Location Description: Monitoring Well FID/PID at Well Headspace (ppm): NA

Well Condition: ok

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 5.00 to 24.75

Depth to Water (H, feet bmp): 5.46 8/17/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≅ 22

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
~~0950~~	0	0							ORP	Start purge.
0850 ~~0954~~	0.25	1	5.47	6.76	0.415	44.6	0.80	17.5	50	
0854 ~~0958~~	0.25	2	5.47	6.64	0.402	25.0	0.42	17.7	56	
0858 ~~1002~~	0.25	3	5.72	6.56	0.400	25.7	0.40	17.8	62	
0902										Fe = 0.0
										End purge.

Time Samples Collected: 0905 Note Any Sampling Problem: none

Sample Appearance: clear Equipment Decontamination: None

Laboratory: Curtis&Tompkins Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John P Shoal Date: 8-17-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-3.9 **Date: 8/17/2005**

Sample ID: MW-3.9-08/17/05 Field Crew: TEC, JRS, JDM

QA/QC Sample IDs: Purging Subcontractor: NA

MS/MSD for this Sample? ☐ Weather: CLOUDY

Location Description: Monitoring Well FID/PID at Well Headspace (ppm): NA

Well Condition: OK, NO LOCK

PURGING PARAMETERS

Casing Diameter (D, inches) 4"

Approx. Screen Depth (feet bmp): 5.00 to 19.75

Depth to Water (H, feet bmp): 4.85 8/17/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): 16.00±

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
0940	0	0							ORP	Start purge.
0944	0.25	1	4.95	6.38	0.332	22.5	1.56	17.8	81	
0948	0.25	2	4.95	6.37	0.332	22.9	0.68	18.1	80	
0952	0.25	3	4.95	6.36	0.341	33.3	0.59	18.2	80	
0956	0.25	4	4.98	6.35	0.344	33.3	0.42	18.2	81	Fe = 0.00
										End purge.

Time Samples Collected: 0957 Note Any Sampling Problem: NONE

Sample Appearance: CLEAR Equipment Decontamination: None

Laboratory: Curtis&Tompkins Purge Water Disposition: On site tank

Water Meter Model/No: HORIBA U22XD SOLINIST RHEL

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John Maxty Date: 8/17/05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-4.1
Sample ID: MW-4.1-08 18 05
QA/QC Sample IDs:
MS/MSD for this Sample? ☐
Location Description: Monitoring Well
Well Condition: OK

Date: 8/ 18 /2005
Field Crew: TEC/JRS/JDM
Purging Subcontractor: NA
Weather: Misty
FID/PID at Well Headspace (ppm): NA

PURGING PARAMETERS

Casing Diameter (D, inches) 4
Approx. Screen Depth (feet bmp): 4.65 to 29.90
Depth to Water (H, feet bmp): 5.11 8/15/05
Casing Volume (gallons): NA
Calculated Purge Volume (gallons): NA
Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 27

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
0918	0	0							ORP	Start purge.
0922	0.25	1	5.12	6.62	0.766	13.8	1.90	17.40	-111	
0926	0.25	2	5.13	6.62	0.717	13.9	1.38	17.4	-112	
0930	0.25	3	5.16	6.62	0.695	14.5	0.88	17.5	-116	
0934	0.25	4	5.16	6.62	0.669	16.0	0.84	17.5	-118	fe = 6.5
										End purge.

Time Samples Collected: 0940
Sample Appearance: clear
Laboratory: Curtis&Tompkins

Note Any Sampling Problem: none
Equipment Decontamination: None
Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R Shaal
Date: 8-18-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-4.2 — **Date: 8/ 18/2005**

Sample ID: MW-4.2-08 18 05 — Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: — Purging Subcontractor: NA

MS/MSD for this Sample? ☐ — Weather: cloudy/misty

Location Description: Monitoring Well — FID/PID at Well Headspace (ppm): NA

Well Condition: OK

PURGING PARAMETERS

Casing Diameter (D, inches) 4"

Approx. Screen Depth (feet bmp): 6.80 to 31.55

Depth to Water (H, feet bmp): 6.61 8/18/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ~29

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
0835	0	0							ORP	Start purge.
0839	0.25	1	6.85	7.12	0.422	10.4	0.88	15.8	-149	
0843	0.25	2	6.95	7.12	0.444	5.6	0.39	15.9	-151	
0847	0.25	3	7.20	7.10	0.440	5.3	0.35	15.9	-151	
										Fe = 5.4
										End purge.

Time Samples Collected: 0850 — Note Any Sampling Problem: none

Sample Appearance: clear — Equipment Decontamination: None

Laboratory: Curtis&Tompkins — Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
~~TPHg~~	~~8015B~~	~~VOA~~	~~40~~	~~3~~	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments: Chemets DO = 1.0 mg/L

Signature: John R Shaal — Date: 8-18-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-4.3 — **Date: 8/17/2005**

Sample ID: MW-4.3-0817 05 — Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: — Purging Subcontractor: NA

MS/MSD for this Sample? ☐ — Weather: Partly Sunny

Location Description: Monitoring Well — FID/PID at Well Headspace (ppm): NA

Well Condition: Ok

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 3.00 to 29.75

Depth to Water (H, feet bmp): 3.30 8/17/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 27

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1415	0	0							ORP	Start purge.
1419	0.25	1	3.58	6.28	0.350	47.2	0.20	16.2	-89	
1423	0.25	2	3.61	6.32	0.325	64.3	0.11	16.1	-90	
1427	0.25	3	3.65	6.32	0.299	71.0	0.04	16.0	-89	
1431	0.25	4	3.65	6.29	0.271	71.2	0.03	16.0	-84	Fe=5.0
										End purge.

Time Samples Collected: 1435 — Note Any Sampling Problem: None

Sample Appearance: clear — Equipment Decontamination: None

Laboratory: Curtis&Tompkins — Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22xD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R Shaul — Date: 8-17-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-4.4
Sample ID: MW-4.4-0817 05
QA/QC Sample IDs:
MS/MSD for this Sample? ☐
Location Description: Monitoring Well
Well Condition: OK

Date: 8/17/2005
Field Crew: TEC/JRS/JOM
Purging Subcontractor: NA
Weather: cloudy
FID/PID at Well Headspace (ppm): NA

PURGING PARAMETERS

Casing Diameter (D, inches) 4
Approx. Screen Depth (feet bmp): 5.00 to 29.75
Depth to Water (H, feet bmp): 3.83 8/17/05
Casing Volume (gallons): NA
Calculated Purge Volume (gallons): NA
Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 27

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1508	0	0							ORP	Start purge.
1512	0.25	1	3.84	6.67	0.571	3.4	0.58	16.3	-99	
1516	0.25	2	3.84	6.70	0.590	1.3	0.13	16.2	-105	
1520	0.25	3	3.84	6.70	0.593	1.3	0.09	16.2	-112	
										Fe = 3.8
										End purge.

Time Samples Collected: 1525
Sample Appearance: clear
Laboratory: Curtis&Tompkins

Note Any Sampling Problem: none
Equipment Decontamination: None
Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments: Chemets D.O. = 1.0 mg/L

Signature: John R Shoal
Date: 8-17-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-5.1 **Date: 8/15/2005**

Sample ID: MW-5.1-08___05
Field Crew: _____
QA/QC Sample IDs:
Purging Subcontractor: NA
MS/MSD for this Sample? ☐
Weather: _____
Location Description: Monitoring Well
FID/PID at Well Headspace (ppm): _____
Well Condition: _____

PURGING PARAMETERS

Casing Diameter (D, inches)
Approx. Screen Depth (feet bmp): 5.00 to 24.75
Depth to Water (H, feet bmp):
Casing Volume (gallons): NA
Calculated Purge Volume (gallons): NA
Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): _____

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
	0	0								Start purge.
										End purge.

PH
0.03ft
No Sample

Time Samples Collected: _____
Note Any Sampling Problem: _____
Sample Appearance: _____
Equipment Decontamination: None
Laboratory: Curtis&Tompkins
Purge Water Disposition: On site tank

Water Meter Model/No: _____

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: [signature] Date:

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
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El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-5.2 — **Date: 8/16/2005**

Sample ID: MW-5.2-08 16 05 — Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: — Purging Subcontractor: NA

MS/MSD for this Sample? ☑ — Weather: cloudy

Location Description: Monitoring Well — FID/PID at Well Headspace (ppm): NA

Well Condition: OK

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 5.00 to 24.75

Depth to Water (H, feet bmp): 1.93 8-16-05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ~ 21

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1342	0	0						~~ORP~~ ppm	ORP	Start purge.
1346	0.25	1	2.05	7.50	0.312	2.5	6.11	17.3	-148	
1350	0.25	2	2.06	7.60	0.313	1.9	5.36	17.3	-155	
1354	0.25	3	2.08	7.61	0.313	1.9	5.19	17.3	-160	Fe = 0.0
										End purge.

Time Samples Collected: 1355 — Note Any Sampling Problem: none

Sample Appearance: clear — Equipment Decontamination: None

Laboratory: Curtis&Tompkins — Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	9	☐	HCl	
VOCs Low Level	8260B	VOA	40	9	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	6	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	3	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	3	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	3	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	3	☐	None	Report to MDL.

Comments:

Signature: John R Shaw — Date: 8-16-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-5.3 — **Date: 8/16/2005**

Sample ID: MW-5.3-0816 05 — Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: — Purging Subcontractor: NA

MS/MSD for this Sample? ☐ — Weather: cloudy

Location Description: Monitoring Well — FID/PID at Well Headspace (ppm): NA

Well Condition: OK

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 5.00 to 29.75

Depth to Water (H, feet bmp): 7.55 8/16/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): 2 27

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1500	0	0							ORP	Start purge.
1504	0.25	1	7.69	6.34	0.373	0.0	5.8	19.1	-130	
1508	0.25	2	7.76	6.34	0.378	0.0	5.2	19.2	-136	
1512	0.25	3	7.85	6.34	0.379	0.0	5.1	19.2	-140	Fe = 8.5
										End purge.

Time Samples Collected: 1515 — Note Any Sampling Problem: None

Sample Appearance: clear — Equipment Decontamination: None

Laboratory: Curtis&Tompkins — Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments: Chem'ts DO = 1.5

Signature: John R Shaal — Date: 8-16-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-5.4
Sample ID: MW-5.4-08 16 05
QA/QC Sample IDs: MW-DUP2-08 16 05
MS/MSD for this Sample? ☐
Location Description: Monitoring Well
Well Condition: OK

Date: 8/16/2005
Field Crew: TEC / JRS / JDM
Purging Subcontractor: NA
Weather: cloudy
FID/PID at Well Headspace (ppm): NA

PURGING PARAMETERS

Casing Diameter (D, inches) 4
Approx. Screen Depth (feet bmp): 5.00 to 29.75
Depth to Water (H, feet bmp): 3.71 8-16-05
Casing Volume (gallons): NA
Calculated Purge Volume (gallons): NA
Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 27

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1540	0	0							ORP	Start purge.
1544	0.25	1	4.05	5.99	0.298	58.2	7.07	20.4	-54	
1548	0.25	2	4.10	5.99	0.300	19.9	5.33	20.6	-67	
1552	0.25	3	4.12	5.98	0.300	19.3	5.04	20.7	-80	
										Fe = 3.0
										End purge.

Time Samples Collected: 1555
Sample Appearance: clear
Laboratory: Curtis&Tompkins

Note Any Sampling Problem: none
Equipment Decontamination: None
Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD
Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	6	☐	HCl	
VOCs Low Level	8260B	VOA	40	6	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	4	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	2	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	2	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	2	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	2	☐	None	Report to MDL.

Comments:

Signature: John R Shaal
Date: 8-16-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-5.5 — **Date: 8/17 /2005**

Sample ID: MW-5.5-0817 05 — Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: — Purging Subcontractor: NA

MS/MSD for this Sample? ☐ — Weather: cloudy

Location Description: Monitoring Well — FID/PID at Well Headspace (ppm): NA

Well Condition: OK

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 5.00 to 29.75

Depth to Water (H, feet bmp): 8.39 8/17/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 27

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1035	0	0							ORP	Start purge.
1039	0.25	1	8.70	6.00	0.461	0.0	.58	17.5	-159	
1043	0.25	2	8.97	5.99	0.528	0.0	.35	17.6	-162	
1047	0.25	3	9.09	5.99	0.490	0.0	.30	17.7	-163	
										Fe = ~~6.0~~ 9/28
										6.0
										End purge.

Time Samples Collected: 1050 — Note Any Sampling Problem: none

Sample Appearance: clear — Equipment Decontamination: None

Laboratory: Curtis&Tompkins — Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments: Chemets DO = mg/L

Signature: John R Shaal — Date: 8-17-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-5.6
Sample ID: MW-5.6-0817 05
QA/QC Sample IDs:
MS/MSD for this Sample? ☐
Location Description: Monitoring Well
Well Condition: OK

Date: 8/17/2005
Field Crew: TEC/JRS/JDM
Purging Subcontractor: NA
Weather: cloudy
FID/PID at Well Headspace (ppm): NA

PURGING PARAMETERS

Casing Diameter (D, inches) 4
Approx. Screen Depth (feet bmp): 5.00 to 24.75
Depth to Water (H, feet bmp): 11.2 8-17-05
Casing Volume (gallons): NA
Calculated Purge Volume (gallons): NA
Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 22

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1135	0	0							ORP	Start purge.
1139	0.25	1	11.35	6.34	0.504	5.8	2.40	16.7	-62	
1143	0.25	2	11.49	6.34	0.551	0.3	0.66	16.8	-74	
1147	0.25	3	11.54	6.32	0.540	0.0	0.60	16.9	-84	
										Fe=6.5
										End purge.

Time Samples Collected: 1147
Sample Appearance: clear
Laboratory: Curtis&Tompkins

Note Any Sampling Problem: none
Equipment Decontamination: None
Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XO Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R Shaal
Date: 8-17-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-5.7 **Date:** 8/17/2005

Sample ID: MW-5.7-08 17 05 Field Crew: TEC/JRS/JON

QA/QC Sample IDs: Purging Subcontractor: NA

MS/MSD for this Sample? ☐ Weather: prtly cloudy

Location Description: Monitoring Well FID/PID at Well Headspace (ppm): NA

Well Condition: OK

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 5.00 to 34.75

Depth to Water (H, feet bmp): 5.02 8/17/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 32

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1232	0	0							ORP	Start purge.
1236	0.25	1	5.10	6.41	0.900	1.6	.95	17.7	-125	
1240	0.25	2	5.11	6.42	0.900	1.2	.36	17.7	-128	
1244	0.25	3	5.11	6.41	0.900	1.3	.33	17.7	-131	
										Fe = 6.0
										End purge.

Time Samples Collected: 1245 Note Any Sampling Problem: none

Sample Appearance: clear Equipment Decontamination: None

Laboratory: Curtis&Tompkins Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R Shaal Date: 8-17-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-5.8 — **Date: 8/17/2005**

Sample ID: MW-5.8-08 17 05 — Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: — Purging Subcontractor: NA

MS/MSD for this Sample? ☐ — Weather: Cloudy

Location Description: Monitoring Well — FID/PID at Well Headspace (ppm): NA

Well Condition: Ok

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 2.00 to 19.75

Depth to Water (H, feet bmp): 6.78 8/17/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 17

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1319	0	0							ORP	Start purge.
1323	0.25	1	7.08	7.04	0.469	4.2	0.61	16.7	-84	
1327	0.25	2	7.35	7.03	0.471	2.5	0.42	16.8	-90	
1331	0.25	3	7.41	7.02	0.471	2.4	0.40	16.8	-94	
										Fe = 0.8
										End purge.

Time Samples Collected: 1335 — Note Any Sampling Problem: none

Sample Appearance: clear — Equipment Decontamination: None

Laboratory: Curtis&Tompkins — Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R Shaal — Date: 8-17-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-5.9 — **Date: 8/18/2005**

Sample ID: MW-5.9-0818 05 — Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: — Purging Subcontractor: NA

MS/MSD for this Sample? ☐ — Weather: Overcast

Location Description: Monitoring Well — FID/PID at Well Headspace (ppm): NA

Well Condition: OK

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 5.00 to 24.75

Depth to Water (H, feet bmp): 3.80 8/18/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 22

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
0753	0	0							ORP	Start purge.
0757	0.25	1	3.99	6.58	0.592	11.6	1.08	15.8	-154	
0801	0.25	2	4.15	6.60	0.880	9.0	0.50	15.8	-160	
0805	0.25	3	4.19	6.61	0.626	9.9	0.43	15.8	-163	
0809	0.25	4	4.22	6.63	0.580	9.8	0.40	15.9	-164	fe = 4.0
										End purge.

Time Samples Collected: 0810 — Note Any Sampling Problem: none

Sample Appearance: clear — Equipment Decontamination: None

Laboratory: Curtis&Tompkins — Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R Shaal — Date: 8-18-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-7.1 — **Date: 8/18/2005**

Sample ID: MW-7.1-08 18 05 — Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: — Purging Subcontractor: NA

MS/MSD for this Sample? ☐ — Weather: cloudy

Location Description: Monitoring Well — FID/PID at Well Headspace (ppm): NA

Well Condition: Ok ~~cap~~ Lid to Box would not tighten down

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 5.00 to 14.75

Depth to Water (H, feet bmp): 6.38 8/18/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 12

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1006	0	0							ORP	Start purge.
1010	0.25	1	6.75	7.41	0.716	3.8	1.06	17.3	-124	
1014	0.25	2	6.82	7.44	0.910	3.3	0.37	17.4	-133	
1018	0.25	3	6.94	7.47	0.930	3.1	0.30	17.4	-138	
										Fe = 1.0
										End purge.

Time Samples Collected: 1020 — Note Any Sampling Problem: none

Sample Appearance: clear — Equipment Decontamination: None

Laboratory: Curtis&Tompkins — Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R Shaal — Date: 8-18-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-10.1 **Date: 8/18/2005**

Sample ID: MW-10.1-08 18 05 Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: MW-DUP3-08 18 05 Purging Subcontractor: NA

MS/MSD for this Sample? ☐ Weather: cloudy

Location Description: Monitoring Well FID/PID at Well Headspace (ppm): NA

Well Condition: OK / needs new Lock

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 17.65 to 32.40

Depth to Water (H, feet bmp): 19.22 8/18/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 29

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1235	0	0							ORP	Start purge.
1239	0.25	1	19.24	6.38	0.231	7.0	5.94	15.3	112	
1243	0.25	2	19.24	6.27	0.226	6.9	5.07	15.3	122	
1247	0.25	3	19.23	6.24	0.233	7.0	4.90	15.3	125	
										Fe = 0.0
										End purge.

Time Samples Collected: 1250 Note Any Sampling Problem: none

Sample Appearance: clear Equipment Decontamination: None

Laboratory: Curtis&Tompkins Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	6	☐	HCl	
VOCs Low Level	8260B	VOA	40	6	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	4	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	2	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	2	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	2	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	2	☐	None	Report to MDL.

Comments:

Signature: John R Shoal Date: 8-18-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-10.2 **Date: 8/18/2005**

Sample ID: MW-10.2-08 18 05 Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: Purging Subcontractor: NA

MS/MSD for this Sample? ☐ Weather: cloudy

Location Description: Monitoring Well FID/PID at Well Headspace (ppm): NA

Well Condition: Ok needs new Lock

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 6.80 to 15.55

Depth to Water (H, feet bmp): 9.90 8/18/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈13

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1440	0	0							ORP	Start purge.
1444	0.25	1	9.91	6.45	0.246	4.2	1.15	16.8	121	
1448	0.25	2	9.91	6.44	0.253	3.0	0.92	16.7	123	
1452	0.25	3	9.91	6.44	0.305	2.7	0.82	16.7	123	
1456	0.25	4	9.92	6.45	0.305	2.6	0.79	16.7	122	Fe = 0.0
										End purge.

Time Samples Collected: 1500 Note Any Sampling Problem: none

Sample Appearance: clear Equipment Decontamination: None

Laboratory: Curtis&Tompkins Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22OX Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments: Chemets DO = 1.0 mg/L

Signature: John R Shaal Date: 8-18-05

Dry

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-10.3
Sample ID: MW-10.3-08___05
QA/QC Sample IDs:
MS/MSD for this Sample? ☐
Location Description: Monitoring Well
Well Condition: _____

Date: 8/18/2005
Field Crew: TEC/JRS/JDM
Purging Subcontractor: NA
Weather: _____
FID/PID at Well Headspace (ppm): _____

PURGING PARAMETERS

Casing Diameter (D, inches)
Approx. Screen Depth (feet bmp): 18.80 to 27.55
Depth to Water (H, feet bmp):
Casing Volume (gallons): NA
Calculated Purge Volume (gallons): NA
Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): _____

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
	0	0								Start purge.
										End purge.

DRY

Time Samples Collected: _____
Sample Appearance: _____
Laboratory: Curtis&Tompkins
Note Any Sampling Problem: _____
Equipment Decontamination: None
Purge Water Disposition: On site tank
Water Meter Model/No: _____

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R Shaal
Date: 8-18-05

SAMPLING/DEVELOPMENT INFORMATION

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762

Project Name: Former Georgia-Pacific Sawmill
Facility/ Address: 90 West Redwood Avenue, Fort Bragg, CA
Project Number: 16017.01

Well/ Sample Location: MW-10.4 — **Date: 8/18/2005**

Sample ID: MW-10.4-0818 05 — Field Crew: TEC/JRS/JDM

QA/QC Sample IDs: — Purging Subcontractor: NA

MS/MSD for this Sample? ☐ — Weather: cloudy

Location Description: Monitoring Well — FID/PID at Well Headspace (ppm): NA

Well Condition: Ok

PURGING PARAMETERS

Casing Diameter (D, inches) 4

Approx. Screen Depth (feet bmp): 20.25 to 32.00

Depth to Water (H, feet bmp): 26.4 8/18/05

Casing Volume (gallons): NA

Calculated Purge Volume (gallons): NA

Note if LPH (feet thickness):

CASING VOLUME: ([TD-H]*[3.14*(D/24)2]*[7.48 gallons/ft3
0.65*[TD-H] for 4-inch well; 0.16*[TD-H] for 2-inch wel

PURGING/SAMPLING METHODS

	Purging	Sampling	Notes
Low Flow	☑	☑	
Peristaltic Pump	☑	☑	
Submersible Pump	☐	☐	
Bailer	☐	☐	
Tap/ Other	☐	☐	
Dedicated Equipment?	☐	☐	

Intake Depth (feet bmp): ≈ 29

PURGING AND WATER QUALITY DATA

Time	Purge Rate (gpm) (lpm) or Increment (gal) (l)	Cumulative Water Removed (gal) (l)	Depth to Water (feet bmp)	pH (units)	Specific Conduct-ance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temper-ature (degrees C)	Other (circle): Fe+2 (mg/L) Eh (mV) ( )	Notes (e.g. pump setting, adjustments)
1052	0	0							ORP	Start purge.
1056	0.25	1	26.4	6.41	0.385	3.9	2.07	18.5	-58	
1100	0.25	2	26.4	6.42	0.580	3.3	2.06	18.6	-58	
1104	0.25	3	26.4	6.42	0.650	3.8	1.80	18.6	-58	
1108	0.25	4	26.4	6.38	0.440	2.7	1.32	18.7	-58	Fe=3.0
1112	0.25	5	26.4	6.38	0.445	2.7	1.30	18.8	-58	
										End purge.

Time Samples Collected: 1118 — Note Any Sampling Problem: none

Sample Appearance: clear — Equipment Decontamination: None

Laboratory: Curtis&Tompkins — Purge Water Disposition: On site tank

Water Meter Model/No: Horiba U22XD Solinst 101 Reel

LABORATORY SAMPLE INFORMATION

Analysis	Analysis Method	Container Type	Volume (ml)	Number of Containers	Sample Filtered?	Preservative	Notes
TPHg	8015B	VOA	40	3	☐	HCl	
VOCs Low Level	8260B	VOA	40	3	☐	HCl	Include ethanol, isopropanol
SVOCs	8270C	Amber Glass	1000	2	☐	None	Report to MDL.
Metals, dissolved	6020B/ 7470A	Poly	500	1	☑	HNO3	
TPHd, TPHo w/ SGCU	8015B	Amber Glass	1000	1	☐	None	Report to MDL.
PCB Congeners	8082	Amber Glass	1000	1	☐	None	Report to MDL.
PAHs	8310	Amber Glass	1000	1	☐	None	Report to MDL.

Comments:

Signature: John R Shaal — Date: 8-18-05

ACTON • MICKELSON • ENVIRONMENTAL, INC.

DAILY FIELD REPORT

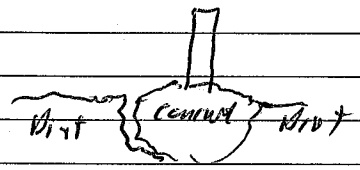
Project Number: 16017.01/9.0	Date: 8/15/05
Project Name: Former Georgia-Pacific Sawmill	Project Location: 90 West Redwood Avenue Fort Bragg, California 95437
Weather: Marine layer, 60's 10-15 mph	Field Crew: TEC, JDM, JS

Today's Work Activities:

1355 Onsite @ 1200 hrs approx. 5½ hrs Mob/Demob
The Johns are on MW-2.1 Tony gauging all wells
Some well boxes so tight need hammer to loosen up bolts

1547 Well 4.3 is missing. Either buried under alot of dirt or several tons of concrete. Well 5.1 has LPH present

1645 3 wells sampled / MS/MSD. MW 2.1, 2.2 + 2.3
GPS'ed Soldier Point BM and Spring 3.1
Well 4.2 has been hit. A ¼ - ½ Inch Dia. separation between the native & concrete surface completion



Signature: Date: 8/15/05 Page 1 of ___

ACTON • MICKELSON • ENVIRONMENTAL, INC.

DAILY FIELD REPORT

Project Number: 16017.05/9.0	Date: 8/16/05
Project Name: Former Georgia-Pacific Sawmill	Project Location: 90 West Redwood Avenue Fort Bragg, California 95437
Weather:	Field Crew:

Today's Work Activities:

Onsite 0700
HASP & Calibration done. Setting up on MW-3.1 (Dup-1)
Checked w/ Paul about 4.3 & 4.2 He will give it a look see
8/15/05 MW-2.1 @ 1332 MW 2.2 @ 1518 MW 2.3 @ 14.25

8/16/05 MW 3.1 @ 0845 MW 3.2 @ 0950 MW 2.1 081505-TB1 @ 0850
MW 3.3 @ 1035

1120 Paul & Doug found MW-4.3

1140 More cadets onsite. Need to resupply for afternoon
4 done + 1 Dup
1223 Taking 10 cadets to UPS. Johns on MW-3.5

1123 MW 3.4 @ 1123 MW 3.5 @ 12115
MW 4.3 water @ 3.38 ft. at the blackmarsh. Call M. Acton
& briefed him on events.

1440 MW 5.2 @ 1355 MW 3.6 @ 1304
1527 MW 5.3 @ 1515
MW 5.4 @ 1555 (Dup 2)

9 Wells 2 Dups & 1 MS/MSD Not bad for one day.

Signature: [signature] Date: 8/16/05 Page 1 of ___

ACTON • MICKELSON • ENVIRONMENTAL, INC.

DAILY FIELD REPORT

Project Number: 16017.05/9.0	Date: 8/17/05
Project Name: Former Georgia-Pacific Sawmill	Project Location: 90 West Redwood Avenue Fort Bragg, California 95437
Weather: Marine Layer Fog 50s-60's	Field Crew: TC JDM, JS

Today's Work Activities:

onsite 0700 Hasp & calibration done. Loaded up for base.
Heading to 3.7
0830 on MW 3.7 @ 0820
0905 MW 3.8 @ 0905 Called Andrew about the GPS. All is in order & well. Will get 3 readings on Soldier Point BM.
0935 Starting on MW 3.9 now
0957 MW 3.9 @ 0957
1040 on MW 5.5
1050 MW 5.5 @ 1050
1147 MW 5.6 @ 1147
1245 MW 5.7 @ 1245
1455. Shipped out 14 coolers. Had to replace one for it tool apart @ UPS. Left message w/ Curtis & Tompkins PM. Lisa not to ship in any more bad coolers. Got the Soldier Point GPS-ed for a second time. Found 2 of the 3 wells WSW 9.1 & 9.2 which one is which

MW 5.8 @ 1335
MW 4.3 @ 1435
MW 4.4 @ 1525

Signature: [signature] Date: 8/17/05 Page 1 of ___

ACTON • MICKELSON • ENVIRONMENTAL, INC.

DAILY FIELD REPORT

Project Number: 16017.05/9.0	Date: 8/18/05
Project Name: Former Georgia-Pacific Sawmill	Project Location: 90 West Redwood Avenue Fort Bragg, California 95437
Weather: Fog, 50's-60's	Field Crew:

Today's Work Activities:

onsite 0700 HASP & Calibration done
755 Setting up on MW 5.9
Not sure if number of coolers available is enough
4 of them are to Nelson small

MW 5.9 081805 TB3
0810 MW 5.9 @ 0810
0845 MW 4.2 Fog rolling in Misty as well
0850 MW 4.2 @ 0850 Wind ≈ 5 mph Visibility 500 yds maybe
0930. left Jeff H. a message about the coolers asked him to contact lab. It would sound better if he did it.

0930 MW-4.1 @ 0940
1055 on MW-10.4
MW 7.1 @ 1020

1110 Putting 7.1 + 10.4 together in one of the big coolers
Deb 3 will go out tomorrow

1118 MW 10.4 @ 1118
1210 heading to UPS & Lego to buy more coolers

Jimmys Burgers 707/964-2235
1445 MW 10.1 @ 1250
TB4 MW 10.2 081805 TB4 @ 1500
MW 10.2 @ 1500

Signature: [signature] Date: 8/18/05 Page 1 of ___

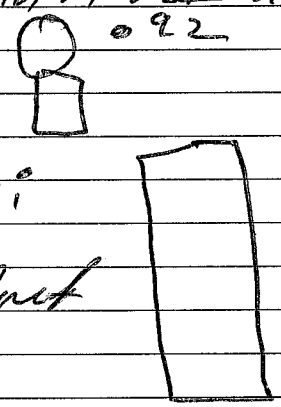
ACTON • MICKELSON • ENVIRONMENTAL, INC.

DAILY FIELD REPORT

Project Number: 16017.05/9.0	Date: 8/19/05
Project Name: Former Georgia-Pacific Sawmill	Project Location: 90 West Redwood Avenue Fort Bragg, California 95437
Weather:	Field Crew:

Today's Work Activities:

0858 Onsite @ 0700 HASP & Calibrate
Sampled the ~~spring~~ Spring SP3.1081905 @ 0845
1033 Courier on time. ~~Ship~~ Shipped 5 coolers
out w/ Mendocino Stage
John Shaal on road Jim T needed to go over items
for PDX sampling Monday. John M. & I are GPS ing
the Powerhouse.
GPS'd WSW 7.1 & 9.1 & 9.2
Will also GPS in Well 4.3
It is located in road on
north side ≈ 75 ft from
4.4



1114 Well WSW 7.1 @ 6.77 water depth
1117 Well WSW 9.1 @ 14.45
1119 Well WSW 9.2 @ 14.15

Signature: [signature] Date: 8/19/05 Page ___ of ___

MONITORING EQUIPMENT
CALIBRATION DATA

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
AME Project No: 16017.01

SITE: Former Georgia-Pacific Sawmill
ADDRESS: 90 West Redwood Avenue
Ft. Bragg, California 95437

Area No./Description:

Date: 8/15/05

Page 1 of 1

Instrument (Type, Model, Serial No.): Horiba U22XD

	Calibration	Calibration Check				
Time 1235						
Standard Used		pH	Conductivity	Turbidity	Temperature	DO
Expected Reading (units)		4.0	4.49	0.0	25	0.0
Actual Reading (units)		3.99	4.49	0.0	20.4	0.2
Adjusted Reading (units)						
Initials		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Comments:

Instrument (Type, Model, Serial No.):

	Calibration	Calibration Check				
Time 1250						
Standard Used		pH				
Expected Reading (units)		7.0				
Actual Reading (units)		7.24				
Adjusted Reading (units)		7.00				
Initials		[illegible]				

Comments:

Instrument (Type, Model, Serial No.):

	Calibration	Calibration Check				
Time						
Standard Used						
Expected Reading (units)						
Actual Reading (units)						
Adjusted Reading (units)						
Initials						

NOTES:

MONITORING EQUIPMENT
CALIBRATION DATA

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
AME Project No: 16017.01

SITE: Former Georgia-Pacific Sawmill
ADDRESS: 90 West Redwood Avenue
Ft. Bragg, California 95437

Area No./Description:

Date: 8/16/05

Page 1 of 1

Instrument (Type, Model, Serial No.): Horiba U22XD

	Calibration	Calibration Check				
Time 0755						
Standard Used		pH	Conductivity	Turbidity	Temperature	D.O
Expected Reading (units)		4.0	4.49	0.0	25	0.0
Actual Reading (units)		4.0	4.49	0.0	16.9	8.0
Adjusted Reading (units)						
Initials		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Comments:

Instrument (Type, Model, Serial No.): Horiba U22XD

	Calibration	Calibration Check				
Time 0800						
Standard Used		pH				
Expected Reading (units)		7.0				
Actual Reading (units)		7.30				
Adjusted Reading (units)		7.00				
Initials		[illegible]				

Comments:

Instrument (Type, Model, Serial No.):

	Calibration	Calibration Check				
Time						
Standard Used						
Expected Reading (units)						
Actual Reading (units)						
Adjusted Reading (units)						
Initials						

NOTES:

MONITORING EQUIPMENT
CALIBRATION DATA

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
AME Project No: 16017.01

SITE: Former Georgia-Pacific Sawmill
ADDRESS: 90 West Redwood Avenue
Ft. Bragg, California 95437

Area No./Description:

Date: 8/17/05

Page 1 of 1

Instrument (Type, Model, Serial No.): Horiba U22XD

	Calibration	Calibration Check				
Time 0740						DO
Standard Used		pH	Conductivity	Turbidity	Temperature	
Expected Reading (units)		4.0	4.49	0.0	25	0.0
Actual Reading (units)		3.99	4.49	0.0	16.4	2.80
Adjusted Reading (units)						0.0
Initials		JRS	JRS	JRS	JRS	JRS

Comments:

Instrument (Type, Model, Serial No.):

	Calibration	Calibration Check				
Time 0746						
Standard Used		pH				
Expected Reading (units)		7.0				
Actual Reading (units)		7.25				
Adjusted Reading (units)		7.00				
Initials		JRS				

Comments:

Instrument (Type, Model, Serial No.):

	Calibration	Calibration Check				
Time						
Standard Used						
Expected Reading (units)						
Actual Reading (units)						
Adjusted Reading (units)						
Initials						

NOTES:

MONITORING EQUIPMENT
CALIBRATION DATA

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
AME Project No: 16017.01

SITE: Former Georgia-Pacific Sawmill
ADDRESS: 90 West Redwood Avenue
Ft. Bragg, California 95437

Area No./Description:

Date: 8-18-05

Page 1 of 1

Instrument (Type, Model, Serial No.): Horiba U22 XD

	Calibration	Calibration Check				
Time 0715						
Standard Used		pH	Conductivity	Turbidity	Temperature	DO
Expected Reading (units)		4.0	4.49	0.0	25	0.0
Actual Reading (units)		4.0	4.49	0.0	16.5	0.0
Adjusted Reading (units)						
Initials		JRS	JRS	JRS	JRS	JRS

Comments:

Instrument (Type, Model, Serial No.):

	Calibration	Calibration Check				
Time 0725						
Standard Used		pH				
Expected Reading (units)		7.0				
Actual Reading (units)		7.18				
Adjusted Reading (units)		7.00				
Initials		JRS				

Comments:

Instrument (Type, Model, Serial No.):

	Calibration	Calibration Check				
Time						
Standard Used						
Expected Reading (units)						
Actual Reading (units)						
Adjusted Reading (units)						
Initials						

NOTES:

MONITORING EQUIPMENT
CALIBRATION DATA

ACTON • MICKELSON • ENVIRONMENTAL, INC.
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
AME Project No: 16017.01

SITE: Former Georgia-Pacific Sawmill
ADDRESS: 90 West Redwood Avenue
Ft. Bragg, California 95437

Area No./Description: | Date: 8/19/05 | Page 1 of 1

Instrument (Type, Model, Serial No.): Horiba U22XD

	Calibration	Calibration Check				
Time 0710						
Standard Used	4.0	pH	Conductivity	Turbidity	Temperature	D.O.
Expected Reading (units)	4.0	4.0	4.49	0.0	25	0.0
Actual Reading (units)	3.96		9.87	0.0	16.02	0.0
Adjusted Reading (units)	4.00		4.49			
Initials	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Comments:

Instrument (Type, Model, Serial No.): Horiba U22XD

	Calibration	Calibration Check				
Time 0745						
Standard Used		pH				
Expected Reading (units)		7.0				
Actual Reading (units)		7.17				
Adjusted Reading (units)		7.0				
Initials	[illegible]	[illegible]				

Comments:

Instrument (Type, Model, Serial No.):

	Calibration	Calibration Check				
Time						
Standard Used						
Expected Reading (units)						
Actual Reading (units)						
Adjusted Reading (units)						
Initials						

NOTES:

ACTON • MICKELSON • ENVIRONMENTAL, INC.

SITE HEALTH AND SAFETY PLAN
DAILY REVIEW AND ATTENDANCE RECORD

Location: 90 West Redwood Avenue, Fort Bragg, CA. 95437-3409	Date/Time: 8/15/05 1215
Temperature: 60's	Wind Speed/Direction: 10-15
General Weather Conditions: Mostly Sunny	

SIGNATURES OF REVIEWERS/FIELD CREW

Signature indicates that this person has reviewed and understands all segments of the SHSP, agrees to abide by the SHSP safety rules and guidelines, and has received and completed the appropriate training as required by the SHSP.

Name	Signature	Company
Tom Carroll	Tom Carroll	AME
John Mattey	[illegible]	AME
John Shaal	John E Shaal	AME

Meeting Conducted By:	**Site Health and Safety Officer (SHSO):**
Name ~~Dennis M. Jones~~ Tom Carroll Print Name	Name Print Name
Signature Tom Carroll	Signature

Tracking: ☐ SHSO ☐ Site Tailgate Safety Meeting File ☐ Project File

ACTON • MICKELSON • ENVIRONMENTAL, INC.

SITE HEALTH AND SAFETY PLAN
DAILY REVIEW AND ATTENDANCE RECORD

Location: 90 West Redwood Avenue, Fort Bragg, CA. 95437-3409	Date/Time: 9/16/05 0800
Temperature: 60°± F	Wind Speed/Direction:
General Weather Conditions: OVERCAST / COOL	

SIGNATURES OF REVIEWERS/FIELD CREW

Signature indicates that this person has reviewed and understands all segments of the SHSP, agrees to abide by the SHSP safety rules and guidelines, and has received and completed the appropriate training as required by the SHSP.

Name	Signature	Company
JOHN MATTEY	John Mattey	AME
Tom Carroll	Tom Carroll	AME
John R Shaal	John R Shaal	AME

Meeting Conducted By:

Name ~~Dennis M. Jones~~ Tom Carroll
Print Name

Signature Tom Carroll

Site Health and Safety Officer (SHSO):

Name _____
Print Name

Signature _____

Tracking: ☐ SHSO ☐ Site Tailgate Safety Meeting File ☐ Project File

ACTON • MICKELSON • ENVIRONMENTAL, INC.

SITE HEALTH AND SAFETY PLAN
DAILY REVIEW AND ATTENDANCE RECORD

Location: 90 West Redwood Avenue, Fort Bragg, CA. 95437-3409	Date/Time: 8/17/05 0735
Temperature: 50's - 60's	Wind Speed/Direction:
General Weather Conditions: Marine Layer Fog	

SIGNATURES OF REVIEWERS/FIELD CREW

Signature indicates that this person has reviewed and understands all segments of the SHSP, agrees to abide by the SHSP safety rules and guidelines, and has received and completed the appropriate training as required by the SHSP.

Name	Signature	Company
Tom Carroll	Tom Carroll	AME
John Shaal	John L. Shaal	AME
JOHN MATTEY	John Mattey	AME

Meeting Conducted By:

Name ~~Dennis M. Jones~~ Tom Carroll
Print Name

Signature Tom Carroll

Site Health and Safety Officer (SHSO):

Name _____
Print Name

Signature _____

Tracking: ☐ SHSO ☐ Site Tailgate Safety Meeting File ☐ Project File

ACTON • MICKELSON • ENVIRONMENTAL, INC.

SITE HEALTH AND SAFETY PLAN
DAILY REVIEW AND ATTENDANCE RECORD

Location: 90 West Redwood Avenue, Fort Bragg, CA. 95437-3409	Date/Time: 8/18/05
Temperature: COOL	Wind Speed/Direction:
General Weather Conditions: OVERCAST (PARTIAL)	

SIGNATURES OF REVIEWERS/FIELD CREW

Signature indicates that this person has reviewed and understands all segments of the SHSP, agrees to abide by the SHSP safety rules and guidelines, and has received and completed the appropriate training as required by the SHSP.

Name	Signature	Company
JOHN D. MATTEY	John D. Mattey	AME
John R Shaal	John R. Shaal	AME
Tom Carroll	Tom Carroll	AME

Meeting Conducted By:	**Site Health and Safety Officer (SHSO):**
Name ~~Dennis M. Jones~~ Tom Carroll Print Name	Name_____ Print Name
Signature Tom Carroll	Signature_____

Tracking: ☐ SHSO ☐ Site Tailgate Safety Meeting File ☐ Project File

ACTON • MICKELSON • ENVIRONMENTAL, INC.

SITE HEALTH AND SAFETY PLAN
DAILY REVIEW AND ATTENDANCE RECORD

Location: 90 West Redwood Avenue, Fort Bragg, CA. 95437-3409	Date/Time: 8-19-05
Temperature: 60°F	Wind Speed/Direction:
General Weather Conditions: Cool Overcast	

SIGNATURES OF REVIEWERS/FIELD CREW

Signature indicates that this person has reviewed and understands all segments of the SHSP, agrees to abide by the SHSP safety rules and guidelines, and has received and completed the appropriate training as required by the SHSP.

Name	Signature	Company
John R Shaal	John R Shaal	AME
Tom Carroll	Tom Carroll	AME
John Martin	[illegible]	AME

Meeting Conducted By:

Name ~~Dennis M. Jones~~ Tom Carroll
Print Name

Signature Tom Carroll

Site Health and Safety Officer (SHSO):

Name _____
Print Name

Signature _____

Tracking: ☐ SHSO ☐ Site Tailgate Safety Meeting File ☐ Project File

APPENDIX C

Ground Water Sample Analytical Reports

16017.01/8

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Acton Mickelson Environmental
5175 Hillsdale Cir
El Dorado Hills, CA 95762

RECEIVED
SEP 19 2005
By

Date: 08-SEP-05
Lab Job Number: 181301
Project ID: 16017.01
Location: Former GA-Pacific Sawmill

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

CASE NARRATIVE

Laboratory number:	**181301**
Client:	**Acton Mickelson Environmental**
Project:	**16017.01**
Location:	**Former GA-Pacific Sawmill**
Request Date:	**08/17/05**
Samples Received:	**08/17/05**

This hardcopy data package contains sample and QC results for ten water samples, requested for the above referenced project on 08/17/05. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
Diesel C10-C24 was detected between the MDL and the RL in the method blank for batch 104959. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
Chloroform was detected between the MDL and the RL in the method blank for batch 105077; this analyte was not detected in the sample at or above the RL. Methylene chloride was detected between the MDL and the RL in MW2.1-081505TB1 (lab # 181301-001); this analyte is a common laboratory contaminant. No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):
No analytical problems were encountered.

Polychlorinated Biphenyl Congeners (EPA 8082):
No analytical problems were encountered.

Polynuclear Aromatics by HPLC (EPA 8310):
No analytical problems were encountered.

Metals (EPA 6020 and EPA 7470A):
Low recovery was observed for zinc in the MS of MW2.1-081505 (lab # 181301-002); the BS/BSD were within limits, and the associated RPD was within limits. Metals reprocessed 23-Sept-05 for lowest possible reporting limits. No other analytical problems were encountered.

#

71.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	104902
Units:	ug/L	Received:	08/17/05
Diln Fac:	1.000	Analyzed:	08/17/05

Field ID: MW2.1-081505TB1 Lab ID: 181301-001
Type: SAMPLE Sampled: 08/15/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	63-141
Bromofluorobenzene (FID)	122	79-139

Field ID: MW2.1-081505 Lab ID: 181301-002
Type: SAMPLE Sampled: 08/15/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	63-141
Bromofluorobenzene (FID)	126	79-139

Field ID: MW2.2-081505 Lab ID: 181301-003
Type: SAMPLE Sampled: 08/15/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	63-141
Bromofluorobenzene (FID)	121	79-139

Field ID: MW2.3-081505 Lab ID: 181301-004
Type: SAMPLE Sampled: 08/15/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	63-141
Bromofluorobenzene (FID)	119	79-139

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	104902
Units:	ug/L	Received:	08/17/05
Diln Fac:	1.000	Analyzed:	08/17/05

Field ID: MW3.1-081605 Lab ID: 181301-005
Type: SAMPLE Sampled: 08/16/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	63-141
Bromofluorobenzene (FID)	122	79-139

Field ID: MW3.2-081605 Lab ID: 181301-006
Type: SAMPLE Sampled: 08/16/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	63-141
Bromofluorobenzene (FID)	120	79-139

Field ID: MW-DUP-1-081605 Lab ID: 181301-007
Type: SAMPLE Sampled: 08/16/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	63-141
Bromofluorobenzene (FID)	125	79-139

Type: BLANK Lab ID: QC305307

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	63-141
Bromofluorobenzene (FID)	113	79-139

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305309	Batch#:	104902
Matrix:	Water	Analyzed:	08/17/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,063	103	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	63-141
Bromofluorobenzene (FID)	128	79-139

3.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Field ID:	MW2.1-081505	Batch#:	104902
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/17/05
Diln Fac:	1.000		

Type: MS Lab ID: QC305395

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	14.29	2,000	2,014	100	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	63-141
Bromofluorobenzene (FID)	131	79-139

Type: MSD Lab ID: QC305396

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,053	102	80-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	63-141
Bromofluorobenzene (FID)	134	79-139

RPD= Relative Percent Difference

4.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/18/05
Diln Fac:	1.000	Analyzed:	08/21/05
Batch#:	104959		

Field ID: MW2.1-081505 Sampled: 08/15/05
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 181301-002

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	103	55-143

Field ID: MW2.2-081505 Sampled: 08/15/05
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 181301-003

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	102	55-143

Field ID: MW2.3-081505 Sampled: 08/15/05
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 181301-004

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	98	55-143

Field ID: MW3.1-081605 Sampled: 08/16/05
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 181301-005

Analyte	Result	RL	MDL
Diesel C10-C24	19 J Y	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	85	55-143

J= Estimated value
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

29.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/18/05
Diln Fac:	1.000	Analyzed:	08/21/05
Batch#:	104959		

Field ID: MW3.2-081605 Sampled: 08/16/05
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 181301-006

Analyte	Result	RL	MDL
Diesel C10-C24	75 Y	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	100	55-143

Field ID: MW-DUP-1-081605 Sampled: 08/16/05
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 181301-007

Analyte	Result	RL	MDL
Diesel C10-C24	23 J Y	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	96	55-143

Field ID: MW3.3-081605 Sampled: 08/16/05
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 181301-008

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	99	55-143

Field ID: MW3.4-081605 Sampled: 08/16/05
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 181301-009

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	92	55-143

J= Estimated value
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

29.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/18/05
Diln Fac:	1.000	Analyzed:	08/21/05
Batch#:	104959		

Field ID:	MW3.5-081605	Sampled:	08/16/05
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	181301-010		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	70	55-143

Type:	BLANK	Cleanup Method:	EPA 3630C
Lab ID:	QC305569		

Analyte	Result	RL	MDL
Diesel C10-C24	19 J	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	107	55-143

J= Estimated value
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

29.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305570	Batch#:	104959
Matrix:	Water	Prepared:	08/18/05
Units:	ug/L	Analyzed:	08/21/05

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,324	93	50-133

Surrogate	%REC	Limits
Hexacosane	83	55-143

30.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8015B
Field ID:	MW2.1-081505	Batch#:	104959
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/18/05
Diln Fac:	1.000	Analyzed:	08/21/05

Type: MS
Lab ID: QC305571
Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<12.82	2,500	1,999	80	42-127

Surrogate	%REC	Limits
Hexacosane	69	55-143

Type: MSD
Lab ID: QC305572
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,688	68	42-127	17	45

Surrogate	%REC	Limits
Hexacosane	72	55-143

RPD= Relative Percent Difference

31.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW2.1-081505TB1	Batch#:	105042
Lab ID:	181301-001	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	11 J	100	1.4
Acetone	1.8 J	10	0.3
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	1.4 J	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	0.3 J	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	0.9	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	1.0	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	0.1 J	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	2.3	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

32.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW2.1-081505TB1	Batch#:	105042
Lab ID:	181301-001	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.08
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	118	80-122
Toluene-d8	107	80-120
Bromofluorobenzene	98	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

32.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW2.1-081505	Batch#:	105077
Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/23/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	ND	100	1.4
Acetone	ND	10	0.3
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07
1,3,5-Trimethylbenzene	ND	0.5	0.08

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

33.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW2.1-081505	Batch#:	105077
Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/23/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-120
1,2-Dichloroethane-d4	112	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	113	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

33.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW2.2-081505	Batch#:	105042
Lab ID:	181301-003	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	ND	100	1.4
Acetone	ND	10	0.3
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07
1,3,5-Trimethylbenzene	ND	0.5	0.08

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

34.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW2.2-081505	Batch#:	105042
Lab ID:	181301-003	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120
1,2-Dichloroethane-d4	115	80-122
Toluene-d8	105	80-120
Bromofluorobenzene	109	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

34.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW2.3-081505	Batch#:	105042
Lab ID:	181301-004	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	ND	100	1.4
Acetone	ND	10	0.3
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07
1,3,5-Trimethylbenzene	ND	0.5	0.08

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

35.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW2.3-081505	Batch#:	105042
Lab ID:	181301-004	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	117	80-122
Toluene-d8	104	80-120
Bromofluorobenzene	98	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

35.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.1-081605	Batch#:	105042
Lab ID:	181301-005	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	ND	100	1.4
Acetone	ND	10	0.3
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	1.8	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	1.7	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	0.8	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	1.9	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07
1,3,5-Trimethylbenzene	ND	0.5	0.08

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

36.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.1-081605	Batch#:	105042
Lab ID:	181301-005	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	116	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	99	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

36.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.2-081605	Batch#:	105042
Lab ID:	181301-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	ND	100	1.4
Acetone	ND	10	0.3
Freon 113	1.2 J	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	1.7	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	0.3 J	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	1.5	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	0.3 J	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	0.4 J	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	2.4	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

37.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.2-081605	Batch#:	105042
Lab ID:	181301-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.08
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	121	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

37.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-DUP-1-081605	Batch#:	105042
Lab ID:	181301-007	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	ND	100	1.4
Acetone	ND	10	0.3
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	1.6	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	1.5	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	0.8	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	2.0	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07
1,3,5-Trimethylbenzene	ND	0.5	0.08

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

38.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-DUP-1-081605	Batch#:	105042
Lab ID:	181301-007	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	121	80-122
Toluene-d8	111	80-120
Bromofluorobenzene	98	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

38.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	105042
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Type: BS Lab ID: QC305895

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	23.81	95	75-121
Benzene	25.00	23.60	94	80-120
Trichloroethene	25.00	24.46	98	78-120
Toluene	25.00	27.49	110	80-120
Chlorobenzene	25.00	23.71	95	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	100	80-122
Toluene-d8	107	80-120
Bromofluorobenzene	101	80-124

Type: BSD Lab ID: QC305896

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.69	99	75-121	4	20
Benzene	25.00	26.57	106	80-120	12	20
Trichloroethene	25.00	26.95	108	78-120	10	20
Toluene	25.00	28.39	114	80-120	3	20
Chlorobenzene	25.00	26.45	106	80-120	11	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	108	80-122
Toluene-d8	110	80-120
Bromofluorobenzene	103	80-124

RPD= Relative Percent Difference

41.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305897	Batch#:	105042
Matrix:	Water	Analyzed:	08/22/05
Units:	ug/L		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	ND	100	1.4
Acetone	ND	10	0.3
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07
1,3,5-Trimethylbenzene	ND	0.5	0.08

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

39.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305897	Batch#:	105042
Matrix:	Water	Analyzed:	08/22/05
Units:	ug/L		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	110	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

39.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC306038	Batch#:	105077
Matrix:	Water	Analyzed:	08/23/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	24.54	98	75-121
Benzene	25.00	23.64	95	80-120
Trichloroethene	25.00	24.59	98	78-120
Toluene	25.00	25.11	100	80-120
Chlorobenzene	25.00	24.77	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	106	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	90	80-124

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC306039	Batch#:	105077
Matrix:	Water	Analyzed:	08/23/05
Units:	ug/L		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	ND	100	1.4
Acetone	ND	10	0.3
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	0.1 J	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

40.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC306039	Batch#:	105077
Matrix:	Water	Analyzed:	08/23/05
Units:	ug/L		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.08
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	112	80-122
Toluene-d8	99	80-120
Bromofluorobenzene	94	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

40.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW2.1-081505	Batch#:	105077
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Analyzed:	08/23/05
Diln Fac:	1.000		

Type: MS Lab ID: QC306040

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.08541	25.00	27.64	111	70-124
Benzene	<0.04395	25.00	23.97	96	79-120
Trichloroethene	<0.07237	25.00	26.41	106	71-120
Toluene	<0.06277	25.00	23.83	95	77-120
Chlorobenzene	<0.07887	25.00	24.96	100	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	114	80-120
1,2-Dichloroethane-d4	120	80-122
Toluene-d8	100	80-120
Bromofluorobenzene	92	80-124

Type: MSD Lab ID: QC306041

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	28.02	112	70-124	1	20
Benzene	25.00	23.62	94	79-120	1	20
Trichloroethene	25.00	25.47	102	71-120	4	20
Toluene	25.00	25.33	101	77-120	6	20
Chlorobenzene	25.00	23.40	94	80-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	114	80-120
1,2-Dichloroethane-d4	121	80-122
Toluene-d8	98	80-120
Bromofluorobenzene	97	80-124

RPD= Relative Percent Difference

43.0

Curtis & Tompkins, Ltd.
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Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW2.1-081505	Batch#:	104931
Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/18/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	0.34
Phenol	ND	9.6	0.87
bis(2-Chloroethyl)ether	ND	9.6	0.52
2-Chlorophenol	ND	9.6	0.86
1,3-Dichlorobenzene	ND	9.6	0.53
1,4-Dichlorobenzene	ND	9.6	0.53
Benzyl alcohol	ND	9.6	0.47
1,2-Dichlorobenzene	ND	9.6	0.51
2-Methylphenol	ND	9.6	1.0
bis(2-Chloroisopropyl) ether	ND	9.6	0.41
4-Methylphenol	ND	9.6	0.99
N-Nitroso-di-n-propylamine	ND	9.6	0.48
Hexachloroethane	ND	9.6	0.45
Nitrobenzene	ND	9.6	0.46
Isophorone	ND	9.6	0.48
2-Nitrophenol	ND	19	1.1
2,4-Dimethylphenol	ND	9.6	0.93
Benzoic acid	ND	48	13
bis(2-Chloroethoxy)methane	ND	9.6	0.54
2,4-Dichlorophenol	ND	9.6	0.93
1,2,4-Trichlorobenzene	ND	9.6	0.48
Naphthalene	ND	9.6	0.52
4-Chloroaniline	ND	9.6	0.57
Hexachlorobutadiene	ND	9.6	0.37
4-Chloro-3-methylphenol	ND	9.6	0.96
2-Methylnaphthalene	ND	9.6	0.63
Hexachlorocyclopentadiene	ND	19	1.0
2,4,6-Trichlorophenol	ND	9.6	0.84
2,4,5-Trichlorophenol	ND	9.6	0.75
2-Chloronaphthalene	ND	9.6	0.43
2-Nitroaniline	ND	19	0.41
Dimethylphthalate	ND	9.6	0.43
Acenaphthylene	ND	9.6	0.37
2,6-Dinitrotoluene	ND	9.6	0.42
3-Nitroaniline	ND	19	0.49
Acenaphthene	ND	9.6	0.42
2,4-Dinitrophenol	ND	19	3.9
4-Nitrophenol	ND	19	0.57
Dibenzofuran	ND	9.6	0.61
2,4-Dinitrotoluene	ND	9.6	0.40
Diethylphthalate	ND	9.6	0.42
Fluorene	ND	9.6	0.46
4-Chlorophenyl-phenylether	ND	9.6	0.44
4-Nitroaniline	ND	19	0.57
4,6-Dinitro-2-methylphenol	ND	19	0.62
N-Nitrosodiphenylamine	ND	9.6	0.48
Azobenzene	ND	9.6	0.50
4-Bromophenyl-phenylether	ND	9.6	0.41
Hexachlorobenzene	ND	9.6	0.43
Pentachlorophenol	ND	19	0.51
Phenanthrene	ND	9.6	0.53
Anthracene	ND	9.6	0.45
Di-n-butylphthalate	ND	9.6	0.50
Fluoranthene	ND	9.6	0.51

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

5.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW2.1-081505	Batch#:	104931
Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/18/05

Analyte	Result	RL	MDL
Pyrene	ND	9.6	0.53
Butylbenzylphthalate	ND	9.6	0.48
3,3'-Dichlorobenzidine	ND	19	0.52
Benzo(a)anthracene	ND	9.6	0.51
Chrysene	ND	9.6	0.44
bis(2-Ethylhexyl)phthalate	ND	9.6	0.52
Di-n-octylphthalate	ND	9.6	0.40
Benzo(b)fluoranthene	ND	9.6	0.36
Benzo(k)fluoranthene	ND	9.6	0.49
Benzo(a)pyrene	ND	9.6	0.42
Indeno(1,2,3-cd)pyrene	ND	9.6	0.51
Dibenz(a,h)anthracene	ND	9.6	0.53
Benzo(g,h,i)perylene	ND	9.6	0.50

Surrogate	%REC	Limits
2-Fluorophenol	59	41-120
Phenol-d5	58	41-120
2,4,6-Tribromophenol	62	38-120
Nitrobenzene-d5	67	47-120
2-Fluorobiphenyl	71	44-120
Terphenyl-d14	60	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

5.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW2.2-081505	Batch#:	104931
Lab ID:	181301-003	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/19/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	0.34
Phenol	ND	9.6	0.87
bis(2-Chloroethyl)ether	ND	9.6	0.52
2-Chlorophenol	ND	9.6	0.86
1,3-Dichlorobenzene	ND	9.6	0.53
1,4-Dichlorobenzene	ND	9.6	0.53
Benzyl alcohol	ND	9.6	0.47
1,2-Dichlorobenzene	ND	9.6	0.51
2-Methylphenol	ND	9.6	1.0
bis(2-Chloroisopropyl) ether	ND	9.6	0.41
4-Methylphenol	ND	9.6	0.99
N-Nitroso-di-n-propylamine	ND	9.6	0.48
Hexachloroethane	ND	9.6	0.45
Nitrobenzene	ND	9.6	0.46
Isophorone	ND	9.6	0.48
2-Nitrophenol	ND	19	1.1
2,4-Dimethylphenol	ND	9.6	0.93
Benzoic acid	ND	48	13
bis(2-Chloroethoxy)methane	ND	9.6	0.54
2,4-Dichlorophenol	ND	9.6	0.93
1,2,4-Trichlorobenzene	ND	9.6	0.48
Naphthalene	ND	9.6	0.52
4-Chloroaniline	ND	9.6	0.57
Hexachlorobutadiene	ND	9.6	0.37
4-Chloro-3-methylphenol	ND	9.6	0.96
2-Methylnaphthalene	ND	9.6	0.63
Hexachlorocyclopentadiene	ND	19	1.0
2,4,6-Trichlorophenol	ND	9.6	0.84
2,4,5-Trichlorophenol	ND	9.6	0.75
2-Chloronaphthalene	ND	9.6	0.43
2-Nitroaniline	ND	19	0.41
Dimethylphthalate	ND	9.6	0.43
Acenaphthylene	ND	9.6	0.37
2,6-Dinitrotoluene	ND	9.6	0.42
3-Nitroaniline	ND	19	0.49
Acenaphthene	ND	9.6	0.42
2,4-Dinitrophenol	ND	19	3.9
4-Nitrophenol	ND	19	0.57
Dibenzofuran	ND	9.6	0.61
2,4-Dinitrotoluene	ND	9.6	0.40
Diethylphthalate	ND	9.6	0.42
Fluorene	ND	9.6	0.46
4-Chlorophenyl-phenylether	ND	9.6	0.44
4-Nitroaniline	ND	19	0.57
4,6-Dinitro-2-methylphenol	ND	19	0.62
N-Nitrosodiphenylamine	ND	9.6	0.48
Azobenzene	ND	9.6	0.50
4-Bromophenyl-phenylether	ND	9.6	0.41
Hexachlorobenzene	ND	9.6	0.43
Pentachlorophenol	ND	19	0.51
Phenanthrene	ND	9.6	0.53
Anthracene	ND	9.6	0.45
Di-n-butylphthalate	ND	9.6	0.50
Fluoranthene	ND	9.6	0.51

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

6.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW2.2-081505	Batch#:	104931
Lab ID:	181301-003	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/19/05

Analyte	Result	RL	MDL
Pyrene	ND	9.6	0.53
Butylbenzylphthalate	ND	9.6	0.48
3,3'-Dichlorobenzidine	ND	19	0.52
Benzo(a)anthracene	ND	9.6	0.51
Chrysene	ND	9.6	0.44
bis(2-Ethylhexyl)phthalate	ND	9.6	0.52
Di-n-octylphthalate	ND	9.6	0.40
Benzo(b)fluoranthene	ND	9.6	0.36
Benzo(k)fluoranthene	ND	9.6	0.49
Benzo(a)pyrene	ND	9.6	0.42
Indeno(1,2,3-cd)pyrene	ND	9.6	0.51
Dibenz(a,h)anthracene	ND	9.6	0.53
Benzo(g,h,i)perylene	ND	9.6	0.50

Surrogate	%REC	Limits
2-Fluorophenol	69	41-120
Phenol-d5	63	41-120
2,4,6-Tribromophenol	74	38-120
Nitrobenzene-d5	76	47-120
2-Fluorobiphenyl	81	44-120
Terphenyl-d14	69	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

6.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW2.3-081505	Batch#:	104931
Lab ID:	181301-004	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/19/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	0.34
Phenol	ND	9.6	0.87
bis(2-Chloroethyl)ether	ND	9.6	0.52
2-Chlorophenol	ND	9.6	0.86
1,3-Dichlorobenzene	ND	9.6	0.53
1,4-Dichlorobenzene	ND	9.6	0.53
Benzyl alcohol	ND	9.6	0.47
1,2-Dichlorobenzene	ND	9.6	0.51
2-Methylphenol	ND	9.6	1.0
bis(2-Chloroisopropyl) ether	ND	9.6	0.41
4-Methylphenol	ND	9.6	0.99
N-Nitroso-di-n-propylamine	ND	9.6	0.48
Hexachloroethane	ND	9.6	0.45
Nitrobenzene	ND	9.6	0.46
Isophorone	ND	9.6	0.48
2-Nitrophenol	ND	19	1.1
2,4-Dimethylphenol	ND	9.6	0.93
Benzoic acid	ND	48	13
bis(2-Chloroethoxy)methane	ND	9.6	0.54
2,4-Dichlorophenol	ND	9.6	0.93
1,2,4-Trichlorobenzene	ND	9.6	0.48
Naphthalene	ND	9.6	0.52
4-Chloroaniline	ND	9.6	0.57
Hexachlorobutadiene	ND	9.6	0.37
4-Chloro-3-methylphenol	ND	9.6	0.96
2-Methylnaphthalene	ND	9.6	0.63
Hexachlorocyclopentadiene	ND	19	1.0
2,4,6-Trichlorophenol	ND	9.6	0.84
2,4,5-Trichlorophenol	ND	9.6	0.75
2-Chloronaphthalene	ND	9.6	0.43
2-Nitroaniline	ND	19	0.41
Dimethylphthalate	ND	9.6	0.43
Acenaphthylene	ND	9.6	0.37
2,6-Dinitrotoluene	ND	9.6	0.42
3-Nitroaniline	ND	19	0.49
Acenaphthene	ND	9.6	0.42
2,4-Dinitrophenol	ND	19	3.9
4-Nitrophenol	ND	19	0.57
Dibenzofuran	ND	9.6	0.61
2,4-Dinitrotoluene	ND	9.6	0.40
Diethylphthalate	ND	9.6	0.42
Fluorene	ND	9.6	0.46
4-Chlorophenyl-phenylether	ND	9.6	0.44
4-Nitroaniline	ND	19	0.57
4,6-Dinitro-2-methylphenol	ND	19	0.62
N-Nitrosodiphenylamine	ND	9.6	0.48
Azobenzene	ND	9.6	0.50
4-Bromophenyl-phenylether	ND	9.6	0.41
Hexachlorobenzene	ND	9.6	0.43
Pentachlorophenol	ND	19	0.51
Phenanthrene	ND	9.6	0.53
Anthracene	ND	9.6	0.45
Di-n-butylphthalate	ND	9.6	0.50

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

7.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW2.3-081505	Batch#:	104931
Lab ID:	181301-004	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/19/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.6	0.51
Pyrene	ND	9.6	0.53
Butylbenzylphthalate	ND	9.6	0.48
3,3'-Dichlorobenzidine	ND	19	0.52
Benzo(a)anthracene	ND	9.6	0.51
Chrysene	ND	9.6	0.44
bis(2-Ethylhexyl)phthalate	1.9 J	9.6	0.52
Di-n-octylphthalate	ND	9.6	0.40
Benzo(b)fluoranthene	ND	9.6	0.36
Benzo(k)fluoranthene	ND	9.6	0.49
Benzo(a)pyrene	ND	9.6	0.42
Indeno(1,2,3-cd)pyrene	ND	9.6	0.51
Dibenz(a,h)anthracene	ND	9.6	0.53
Benzo(g,h,i)perylene	ND	9.6	0.50

Surrogate	%REC	Limits
2-Fluorophenol	73	41-120
Phenol-d5	64	41-120
2,4,6-Tribromophenol	77	38-120
Nitrobenzene-d5	79	47-120
2-Fluorobiphenyl	82	44-120
Terphenyl-d14	70	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

7.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.1-081605	Batch#:	104931
Lab ID:	181301-005	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/19/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.8	1.5
Phenol	ND	9.8	1.1
bis(2-Chloroethyl)ether	ND	9.8	0.64
2-Chlorophenol	ND	9.8	0.43
1,3-Dichlorobenzene	ND	9.8	0.32
1,4-Dichlorobenzene	ND	9.8	0.48
Benzyl alcohol	ND	9.8	0.58
1,2-Dichlorobenzene	ND	9.8	0.44
2-Methylphenol	ND	9.8	1.1
bis(2-Chloroisopropyl) ether	ND	9.8	0.82
4-Methylphenol	ND	9.8	0.42
N-Nitroso-di-n-propylamine	ND	9.8	1.4
Hexachloroethane	ND	9.8	0.41
Nitrobenzene	ND	9.8	0.58
Isophorone	ND	9.8	0.38
2-Nitrophenol	ND	20	1.6
2,4-Dimethylphenol	ND	9.8	1.2
Benzoic acid	ND	49	20
bis(2-Chloroethoxy)methane	ND	9.8	0.56
2,4-Dichlorophenol	ND	9.8	0.71
1,2,4-Trichlorobenzene	ND	9.8	0.31
Naphthalene	ND	9.8	0.26
4-Chloroaniline	ND	9.8	0.97
Hexachlorobutadiene	ND	9.8	0.36
4-Chloro-3-methylphenol	ND	9.8	0.73
2-Methylnaphthalene	ND	9.8	0.28
Hexachlorocyclopentadiene	ND	20	0.77
2,4,6-Trichlorophenol	ND	9.8	0.76
2,4,5-Trichlorophenol	ND	9.8	0.95
2-Chloronaphthalene	ND	9.8	0.37
2-Nitroaniline	ND	20	0.87
Dimethylphthalate	ND	9.8	0.24
Acenaphthylene	ND	9.8	0.44
2,6-Dinitrotoluene	ND	9.8	0.76
3-Nitroaniline	ND	20	0.71
Acenaphthene	ND	9.8	0.32
2,4-Dinitrophenol	ND	20	5.2
4-Nitrophenol	ND	20	1.2
Dibenzofuran	ND	9.8	0.43
2,4-Dinitrotoluene	ND	9.8	0.23
Diethylphthalate	ND	9.8	0.35
Fluorene	ND	9.8	0.18
4-Chlorophenyl-phenylether	ND	9.8	0.29
4-Nitroaniline	ND	20	0.65
4,6-Dinitro-2-methylphenol	ND	20	0.70
N-Nitrosodiphenylamine	ND	9.8	0.37
Azobenzene	ND	9.8	0.77
4-Bromophenyl-phenylether	ND	9.8	0.35
Hexachlorobenzene	ND	9.8	0.72
Pentachlorophenol	ND	20	0.74
Phenanthrene	ND	9.8	0.41
Anthracene	ND	9.8	0.29
Di-n-butylphthalate	ND	9.8	0.44
Fluoranthene	ND	9.8	0.23

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.1-081605	Batch#:	104931
Lab ID:	181301-005	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/19/05

Analyte	Result	RL	MDL
Pyrene	ND	9.8	0.39
Butylbenzylphthalate	ND	9.8	0.37
3,3'-Dichlorobenzidine	ND	20	0.43
Benzo(a)anthracene	ND	9.8	0.60
Chrysene	ND	9.8	0.28
bis(2-Ethylhexyl)phthalate	ND	9.8	0.52
Di-n-octylphthalate	ND	9.8	0.18
Benzo(b)fluoranthene	ND	9.8	0.15
Benzo(k)fluoranthene	ND	9.8	0.40
Benzo(a)pyrene	ND	9.8	0.15
Indeno(1,2,3-cd)pyrene	ND	9.8	0.41
Dibenz(a,h)anthracene	ND	9.8	0.24
Benzo(g,h,i)perylene	ND	9.8	0.55

Surrogate	%REC	Limits
2-Fluorophenol	68	41-120
Phenol-d5	69	41-120
2,4,6-Tribromophenol	79	38-120
Nitrobenzene-d5	84	47-120
2-Fluorobiphenyl	82	44-120
Terphenyl-d14	68	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.2-081605	Batch#:	104931
Lab ID:	181301-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/19/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.7	1.5
Phenol	ND	9.7	1.1
bis(2-Chloroethyl)ether	ND	9.7	0.63
2-Chlorophenol	ND	9.7	0.43
1,3-Dichlorobenzene	ND	9.7	0.32
1,4-Dichlorobenzene	ND	9.7	0.47
Benzyl alcohol	ND	9.7	0.57
1,2-Dichlorobenzene	ND	9.7	0.44
2-Methylphenol	ND	9.7	1.1
bis(2-Chloroisopropyl) ether	ND	9.7	0.81
4-Methylphenol	ND	9.7	0.42
N-Nitroso-di-n-propylamine	ND	9.7	1.4
Hexachloroethane	ND	9.7	0.40
Nitrobenzene	ND	9.7	0.57
Isophorone	ND	9.7	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.7	1.2
Benzoic acid	ND	49	20
bis(2-Chloroethoxy)methane	ND	9.7	0.56
2,4-Dichlorophenol	ND	9.7	0.70
1,2,4-Trichlorobenzene	ND	9.7	0.31
Naphthalene	ND	9.7	0.26
4-Chloroaniline	ND	9.7	0.96
Hexachlorobutadiene	ND	9.7	0.36
4-Chloro-3-methylphenol	ND	9.7	0.72
2-Methylnaphthalene	ND	9.7	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.7	0.76
2,4,5-Trichlorophenol	ND	9.7	0.94
2-Chloronaphthalene	ND	9.7	0.37
2-Nitroaniline	ND	19	0.86
Dimethylphthalate	ND	9.7	0.24
Acenaphthylene	ND	9.7	0.44
2,6-Dinitrotoluene	ND	9.7	0.75
3-Nitroaniline	ND	19	0.71
Acenaphthene	ND	9.7	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.7	0.43
2,4-Dinitrotoluene	ND	9.7	0.23
Diethylphthalate	ND	9.7	0.35
Fluorene	ND	9.7	0.17
4-Chlorophenyl-phenylether	ND	9.7	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.69
N-Nitrosodiphenylamine	ND	9.7	0.37
Azobenzene	ND	9.7	0.76
4-Bromophenyl-phenylether	ND	9.7	0.35
Hexachlorobenzene	ND	9.7	0.71
Pentachlorophenol	ND	19	0.73
Phenanthrene	ND	9.7	0.41
Anthracene	ND	9.7	0.29
Di-n-butylphthalate	ND	9.7	0.44

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

9.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.2-081605	Batch#:	104931
Lab ID:	181301-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/19/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.7	0.23
Pyrene	ND	9.7	0.39
Butylbenzylphthalate	ND	9.7	0.37
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.7	0.59
Chrysene	ND	9.7	0.27
bis(2-Ethylhexyl)phthalate	0.52 J	9.7	0.52
Di-n-octylphthalate	ND	9.7	0.18
Benzo(b)fluoranthene	ND	9.7	0.15
Benzo(k)fluoranthene	ND	9.7	0.40
Benzo(a)pyrene	ND	9.7	0.15
Indeno(1,2,3-cd)pyrene	ND	9.7	0.41
Dibenz(a,h)anthracene	ND	9.7	0.24
Benzo(g,h,i)perylene	ND	9.7	0.55

Surrogate	%REC	Limits
2-Fluorophenol	66	41-120
Phenol-d5	67	41-120
2,4,6-Tribromophenol	77	38-120
Nitrobenzene-d5	80	47-120
2-Fluorobiphenyl	80	44-120
Terphenyl-d14	82	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

9.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-DUP-1-081605	Batch#:	104931
Lab ID:	181301-007	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/19/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	1.5
Phenol	ND	9.6	1.1
bis(2-Chloroethyl)ether	ND	9.6	0.62
2-Chlorophenol	ND	9.6	0.42
1,3-Dichlorobenzene	ND	9.6	0.32
1,4-Dichlorobenzene	ND	9.6	0.47
Benzyl alcohol	ND	9.6	0.56
1,2-Dichlorobenzene	ND	9.6	0.43
2-Methylphenol	ND	9.6	1.1
bis(2-Chloroisopropyl) ether	ND	9.6	0.80
4-Methylphenol	ND	9.6	0.41
N-Nitroso-di-n-propylamine	ND	9.6	1.4
Hexachloroethane	ND	9.6	0.40
Nitrobenzene	ND	9.6	0.57
Isophorone	ND	9.6	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.6	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.6	0.55
2,4-Dichlorophenol	ND	9.6	0.69
1,2,4-Trichlorobenzene	ND	9.6	0.31
Naphthalene	ND	9.6	0.26
4-Chloroaniline	ND	9.6	0.95
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.72
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.6	0.75
2,4,5-Trichlorophenol	ND	9.6	0.93
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.85
Dimethylphthalate	ND	9.6	0.24
Acenaphthylene	ND	9.6	0.43
2,6-Dinitrotoluene	ND	9.6	0.75
3-Nitroaniline	ND	19	0.70
Acenaphthene	ND	9.6	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.6	0.42
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.34
Fluorene	ND	9.6	0.17
4-Chlorophenyl-phenylether	ND	9.6	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.6	0.37
Azobenzene	ND	9.6	0.76
4-Bromophenyl-phenylether	ND	9.6	0.35
Hexachlorobenzene	ND	9.6	0.71
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.6	0.41
Anthracene	ND	9.6	0.29
Di-n-butylphthalate	ND	9.6	0.43
Fluoranthene	ND	9.6	0.23

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

10.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-DUP-1-081605	Batch#:	104931
Lab ID:	181301-007	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/19/05

Analyte	Result	RL	MDL
Pyrene	ND	9.6	0.38
Butylbenzylphthalate	ND	9.6	0.36
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.59
Chrysene	ND	9.6	0.27
bis(2-Ethylhexyl)phthalate	ND	9.6	0.51
Di-n-octylphthalate	ND	9.6	0.17
Benzo(b)fluoranthene	ND	9.6	0.15
Benzo(k)fluoranthene	ND	9.6	0.40
Benzo(a)pyrene	ND	9.6	0.14
Indeno(1,2,3-cd)pyrene	ND	9.6	0.40
Dibenz(a,h)anthracene	ND	9.6	0.24
Benzo(g,h,i)perylene	ND	9.6	0.54

Surrogate	%REC	Limits
2-Fluorophenol	69	41-120
Phenol-d5	67	41-120
2,4,6-Tribromophenol	75	38-120
Nitrobenzene-d5	81	47-120
2-Fluorobiphenyl	79	44-120
Terphenyl-d14	83	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

10.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.3-081605	Batch#:	104931
Lab ID:	181301-008	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/19/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	1.5
Phenol	ND	9.6	1.1
bis(2-Chloroethyl)ether	ND	9.6	0.62
2-Chlorophenol	ND	9.6	0.42
1,3-Dichlorobenzene	ND	9.6	0.32
1,4-Dichlorobenzene	ND	9.6	0.47
Benzyl alcohol	ND	9.6	0.56
1,2-Dichlorobenzene	ND	9.6	0.43
2-Methylphenol	ND	9.6	1.1
bis(2-Chloroisopropyl) ether	ND	9.6	0.80
4-Methylphenol	ND	9.6	0.41
N-Nitroso-di-n-propylamine	ND	9.6	1.4
Hexachloroethane	ND	9.6	0.40
Nitrobenzene	ND	9.6	0.57
Isophorone	ND	9.6	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.6	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.6	0.55
2,4-Dichlorophenol	ND	9.6	0.69
1,2,4-Trichlorobenzene	ND	9.6	0.31
Naphthalene	ND	9.6	0.26
4-Chloroaniline	ND	9.6	0.95
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.72
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.6	0.75
2,4,5-Trichlorophenol	ND	9.6	0.93
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.85
Dimethylphthalate	ND	9.6	0.24
Acenaphthylene	ND	9.6	0.43
2,6-Dinitrotoluene	ND	9.6	0.75
3-Nitroaniline	ND	19	0.70
Acenaphthene	ND	9.6	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.6	0.42
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.34
Fluorene	ND	9.6	0.17
4-Chlorophenyl-phenylether	ND	9.6	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.6	0.37
Azobenzene	ND	9.6	0.76
4-Bromophenyl-phenylether	ND	9.6	0.35
Hexachlorobenzene	ND	9.6	0.71
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.6	0.41
Anthracene	ND	9.6	0.29
Di-n-butylphthalate	ND	9.6	0.43
Fluoranthene	ND	9.6	0.23

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

11.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.3-081605	Batch#:	104931
Lab ID:	181301-008	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/19/05

Analyte	Result	RL	MDL
Pyrene	ND	9.6	0.38
Butylbenzylphthalate	ND	9.6	0.36
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.59
Chrysene	ND	9.6	0.27
bis(2-Ethylhexyl)phthalate	ND	9.6	0.51
Di-n-octylphthalate	ND	9.6	0.17
Benzo(b)fluoranthene	ND	9.6	0.15
Benzo(k)fluoranthene	ND	9.6	0.40
Benzo(a)pyrene	ND	9.6	0.14
Indeno(1,2,3-cd)pyrene	ND	9.6	0.40
Dibenz(a,h)anthracene	ND	9.6	0.24
Benzo(g,h,i)perylene	ND	9.6	0.54

Surrogate	%REC	Limits
2-Fluorophenol	61	41-120
Phenol-d5	60	41-120
2,4,6-Tribromophenol	61	38-120
Nitrobenzene-d5	72	47-120
2-Fluorobiphenyl	72	44-120
Terphenyl-d14	75	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

11.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.4-081605	Batch#:	104931
Lab ID:	181301-009	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/18/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	0.92
Phenol	0.89 J	9.6	0.40
bis(2-Chloroethyl)ether	ND	9.6	0.46
2-Chlorophenol	ND	9.6	0.64
1,3-Dichlorobenzene	ND	9.6	0.66
1,4-Dichlorobenzene	ND	9.6	0.54
Benzyl alcohol	ND	9.6	0.52
1,2-Dichlorobenzene	ND	9.6	0.36
2-Methylphenol	ND	9.6	0.99
bis(2-Chloroisopropyl) ether	ND	9.6	0.52
4-Methylphenol	ND	9.6	0.56
N-Nitroso-di-n-propylamine	ND	9.6	0.62
Hexachloroethane	ND	9.6	0.75
Nitrobenzene	ND	9.6	0.26
Isophorone	ND	9.6	0.47
2-Nitrophenol	ND	19	0.88
2,4-Dimethylphenol	ND	9.6	0.99
Benzoic acid	ND	48	0.13
bis(2-Chloroethoxy)methane	ND	9.6	0.51
2,4-Dichlorophenol	ND	9.6	0.40
1,2,4-Trichlorobenzene	ND	9.6	0.57
Naphthalene	ND	9.6	0.30
4-Chloroaniline	ND	9.6	2.3
Hexachlorobutadiene	ND	9.6	0.74
4-Chloro-3-methylphenol	ND	9.6	0.58
2-Methylnaphthalene	ND	9.6	0.64
Hexachlorocyclopentadiene	ND	19	0.31
2,4,6-Trichlorophenol	ND	9.6	1.0
2,4,5-Trichlorophenol	ND	9.6	1.1
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.75
Dimethylphthalate	ND	9.6	0.41
Acenaphthylene	ND	9.6	0.33
2,6-Dinitrotoluene	ND	9.6	0.43
3-Nitroaniline	ND	19	0.38
Acenaphthene	ND	9.6	0.33
2,4-Dinitrophenol	ND	19	0.43
4-Nitrophenol	ND	19	1.8
Dibenzofuran	ND	9.6	1.1
2,4-Dinitrotoluene	ND	9.6	0.29
Diethylphthalate	ND	9.6	0.32
Fluorene	ND	9.6	0.93
4-Chlorophenyl-phenylether	ND	9.6	0.76
4-Nitroaniline	ND	19	0.97
4,6-Dinitro-2-methylphenol	ND	19	1.1
N-Nitrosodiphenylamine	ND	9.6	0.29
Azobenzene	ND	9.6	0.58
4-Bromophenyl-phenylether	ND	9.6	0.47
Hexachlorobenzene	ND	9.6	0.55
Pentachlorophenol	ND	19	0.45
Phenanthrene	ND	9.6	0.56
Anthracene	ND	9.6	0.26
Di-n-butylphthalate	ND	9.6	0.37

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

12.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.4-081605	Batch#:	104931
Lab ID:	181301-009	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/18/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.6	0.45
Pyrene	ND	9.6	0.53
Butylbenzylphthalate	ND	9.6	0.49
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.61
Chrysene	ND	9.6	0.66
bis(2-Ethylhexyl)phthalate	ND	9.6	1.1
Di-n-octylphthalate	ND	9.6	0.13
Benzo(b)fluoranthene	ND	9.6	0.43
Benzo(k)fluoranthene	ND	9.6	0.50
Benzo(a)pyrene	ND	9.6	0.50
Indeno(1,2,3-cd)pyrene	ND	9.6	0.31
Dibenz(a,h)anthracene	ND	9.6	0.28
Benzo(g,h,i)perylene	ND	9.6	0.27

Surrogate	%REC	Limits
2-Fluorophenol	72	41-120
Phenol-d5	70	41-120
2,4,6-Tribromophenol	68	38-120
Nitrobenzene-d5	76	47-120
2-Fluorobiphenyl	69	44-120
Terphenyl-d14	54	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

12.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.5-081605	Batch#:	104931
Lab ID:	181301-010	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/18/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	0.92
Phenol	ND	9.6	0.40
bis(2-Chloroethyl)ether	ND	9.6	0.46
2-Chlorophenol	ND	9.6	0.64
1,3-Dichlorobenzene	ND	9.6	0.66
1,4-Dichlorobenzene	ND	9.6	0.54
Benzyl alcohol	ND	9.6	0.52
1,2-Dichlorobenzene	ND	9.6	0.36
2-Methylphenol	ND	9.6	0.99
bis(2-Chloroisopropyl) ether	ND	9.6	0.52
4-Methylphenol	ND	9.6	0.56
N-Nitroso-di-n-propylamine	ND	9.6	0.62
Hexachloroethane	ND	9.6	0.75
Nitrobenzene	ND	9.6	0.26
Isophorone	ND	9.6	0.47
2-Nitrophenol	ND	19	0.88
2,4-Dimethylphenol	ND	9.6	0.99
Benzoic acid	ND	48	0.13
bis(2-Chloroethoxy)methane	ND	9.6	0.51
2,4-Dichlorophenol	ND	9.6	0.40
1,2,4-Trichlorobenzene	ND	9.6	0.57
Naphthalene	ND	9.6	0.30
4-Chloroaniline	ND	9.6	2.3
Hexachlorobutadiene	ND	9.6	0.74
4-Chloro-3-methylphenol	ND	9.6	0.58
2-Methylnaphthalene	ND	9.6	0.64
Hexachlorocyclopentadiene	ND	19	0.31
2,4,6-Trichlorophenol	ND	9.6	1.0
2,4,5-Trichlorophenol	ND	9.6	1.1
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.75
Dimethylphthalate	ND	9.6	0.41
Acenaphthylene	ND	9.6	0.33
2,6-Dinitrotoluene	ND	9.6	0.43
3-Nitroaniline	ND	19	0.38
Acenaphthene	ND	9.6	0.33
2,4-Dinitrophenol	ND	19	0.43
4-Nitrophenol	ND	19	1.8
Dibenzofuran	ND	9.6	1.1
2,4-Dinitrotoluene	ND	9.6	0.29
Diethylphthalate	ND	9.6	0.32
Fluorene	ND	9.6	0.93
4-Chlorophenyl-phenylether	ND	9.6	0.76
4-Nitroaniline	ND	19	0.97
4,6-Dinitro-2-methylphenol	ND	19	1.1
N-Nitrosodiphenylamine	ND	9.6	0.29
Azobenzene	ND	9.6	0.58
4-Bromophenyl-phenylether	ND	9.6	0.47
Hexachlorobenzene	ND	9.6	0.55
Pentachlorophenol	ND	19	0.45
Phenanthrene	ND	9.6	0.56
Anthracene	ND	9.6	0.26
Di-n-butylphthalate	ND	9.6	0.37
Fluoranthene	ND	9.6	0.45

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

13.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.5-081605	Batch#:	104931
Lab ID:	181301-010	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/18/05

Analyte	Result	RL	MDL
Pyrene	ND	9.6	0.53
Butylbenzylphthalate	ND	9.6	0.49
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.61
Chrysene	ND	9.6	0.66
bis(2-Ethylhexyl)phthalate	ND	9.6	1.1
Di-n-octylphthalate	ND	9.6	0.13
Benzo(b)fluoranthene	ND	9.6	0.43
Benzo(k)fluoranthene	ND	9.6	0.50
Benzo(a)pyrene	ND	9.6	0.50
Indeno(1,2,3-cd)pyrene	ND	9.6	0.31
Dibenz(a,h)anthracene	ND	9.6	0.28
Benzo(g,h,i)perylene	ND	9.6	0.27

Surrogate	%REC	Limits
2-Fluorophenol	72	41-120
Phenol-d5	69	41-120
2,4,6-Tribromophenol	68	38-120
Nitrobenzene-d5	76	47-120
2-Fluorobiphenyl	70	44-120
Terphenyl-d14	63	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

13.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305435	Batch#:	104931
Matrix:	Water	Prepared:	08/17/05
Units:	ug/L	Analyzed:	08/18/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	10	0.35
Phenol	ND	10	0.90
bis(2-Chloroethyl)ether	ND	10	0.54
2-Chlorophenol	ND	10	0.89
1,3-Dichlorobenzene	ND	10	0.55
1,4-Dichlorobenzene	ND	10	0.55
Benzyl alcohol	ND	10	0.49
1,2-Dichlorobenzene	ND	10	0.53
2-Methylphenol	ND	10	1.1
bis(2-Chloroisopropyl) ether	ND	10	0.43
4-Methylphenol	ND	10	1.0
N-Nitroso-di-n-propylamine	ND	10	0.50
Hexachloroethane	ND	10	0.46
Nitrobenzene	ND	10	0.48
Isophorone	ND	10	0.50
2-Nitrophenol	ND	20	1.1
2,4-Dimethylphenol	ND	10	0.97
Benzoic acid	ND	50	13
bis(2-Chloroethoxy)methane	ND	10	0.56
2,4-Dichlorophenol	ND	10	0.96
1,2,4-Trichlorobenzene	ND	10	0.50
Naphthalene	ND	10	0.54
4-Chloroaniline	ND	10	0.59
Hexachlorobutadiene	ND	10	0.39
4-Chloro-3-methylphenol	ND	10	1.0
2-Methylnaphthalene	ND	10	0.65
Hexachlorocyclopentadiene	ND	20	1.0
2,4,6-Trichlorophenol	ND	10	0.88
2,4,5-Trichlorophenol	ND	10	0.78
2-Chloronaphthalene	ND	10	0.45
2-Nitroaniline	ND	20	0.43
Dimethylphthalate	ND	10	0.45
Acenaphthylene	ND	10	0.38
2,6-Dinitrotoluene	ND	10	0.44
3-Nitroaniline	ND	20	0.50
Acenaphthene	ND	10	0.44
2,4-Dinitrophenol	ND	20	4.0
4-Nitrophenol	ND	20	0.59
Dibenzofuran	ND	10	0.64
2,4-Dinitrotoluene	ND	10	0.42
Diethylphthalate	ND	10	0.44
Fluorene	ND	10	0.48
4-Chlorophenyl-phenylether	ND	10	0.46
4-Nitroaniline	ND	20	0.60
4,6-Dinitro-2-methylphenol	ND	20	0.64
N-Nitrosodiphenylamine	ND	10	0.50
Azobenzene	ND	10	0.52
4-Bromophenyl-phenylether	ND	10	0.42
Hexachlorobenzene	ND	10	0.45
Pentachlorophenol	ND	20	0.54
Phenanthrene	ND	10	0.55
Anthracene	ND	10	0.47
Di-n-butylphthalate	ND	10	0.52
Fluoranthene	ND	10	0.53

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

14.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305435	Batch#:	104931
Matrix:	Water	Prepared:	08/17/05
Units:	ug/L	Analyzed:	08/18/05

Analyte	Result	RL	MDL
Pyrene	ND	10	0.55
Butylbenzylphthalate	ND	10	0.50
3,3'-Dichlorobenzidine	ND	20	0.54
Benzo(a)anthracene	ND	10	0.53
Chrysene	ND	10	0.46
bis(2-Ethylhexyl)phthalate	ND	10	0.54
Di-n-octylphthalate	ND	10	0.42
Benzo(b)fluoranthene	ND	10	0.38
Benzo(k)fluoranthene	ND	10	0.51
Benzo(a)pyrene	ND	10	0.43
Indeno(1,2,3-cd)pyrene	ND	10	0.53
Dibenz(a,h)anthracene	ND	10	0.55
Benzo(g,h,i)perylene	ND	10	0.52

Surrogate	%REC	Limits
2-Fluorophenol	58	41-120
Phenol-d5	57	41-120
2,4,6-Tribromophenol	56	38-120
Nitrobenzene-d5	66	47-120
2-Fluorobiphenyl	66	44-120
Terphenyl-d14	59	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

14.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305436	Batch#:	104931
Matrix:	Water	Prepared:	08/17/05
Units:	ug/L	Analyzed:	08/19/05

Analyte	Spiked	Result	%REC	Limits
Phenol	100.0	78.45	78	43-120
2-Chlorophenol	100.0	82.52	83	51-120
1,4-Dichlorobenzene	50.00	20.83	42	36-120
N-Nitroso-di-n-propylamine	50.00	39.73	79	45-120
1,2,4-Trichlorobenzene	50.00	29.63	59	38-120
4-Chloro-3-methylphenol	100.0	86.02	86	48-120
Acenaphthene	50.00	42.02	84	43-120
4-Nitrophenol	100.0	88.18	88	43-120
2,4-Dinitrotoluene	50.00	42.29	85	46-120
Pentachlorophenol	100.0	83.26	83	35-120
Pyrene	50.00	44.35	89	38-120

Surrogate	%REC	Limits
2-Fluorophenol	82	41-120
Phenol-d5	76	41-120
2,4,6-Tribromophenol	86	38-120
Nitrobenzene-d5	91	47-120
2-Fluorobiphenyl	89	44-120
Terphenyl-d14	82	16-120

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW2.1-081505	Batch#:	104931
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/17/05
Diln Fac:	1.000	Analyzed:	08/18/05

Type: MS Lab ID: QC305437

Analyte	MSS Result	Spiked	Result	%REC	Limits
Phenol	<0.8665	99.01	62.68	63	44-120
2-Chlorophenol	<0.8567	99.01	68.31	69	51-120
1,4-Dichlorobenzene	<0.5253	49.50	20.71	42	39-120
N-Nitroso-di-n-propylamine	<0.4826	49.50	35.43	72	44-120
1,2,4-Trichlorobenzene	<0.4817	49.50	30.20	61	41-120
4-Chloro-3-methylphenol	<0.9597	99.01	76.09	77	50-120
Acenaphthene	<0.4186	49.50	35.83	72	47-120
4-Nitrophenol	<0.5659	99.01	85.01	86	38-120
2,4-Dinitrotoluene	<0.4045	49.50	35.90	73	33-120
Pentachlorophenol	<0.5146	99.01	82.91	84	25-148
Pyrene	<0.5316	49.50	37.95	77	46-120

Surrogate	%REC	Limits
2-Fluorophenol	70	41-120
Phenol-d5	66	41-120
2,4,6-Tribromophenol	70	38-120
Nitrobenzene-d5	79	47-120
2-Fluorobiphenyl	77	44-120
Terphenyl-d14	57	16-120

Type: MSD Lab ID: QC305438

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Phenol	96.15	60.97	63	44-120	0	28
2-Chlorophenol	96.15	66.59	69	51-120	0	24
1,4-Dichlorobenzene	48.08	23.29	48	39-120	15	29
N-Nitroso-di-n-propylamine	48.08	33.83	70	44-120	2	25
1,2,4-Trichlorobenzene	48.08	29.84	62	41-120	2	24
4-Chloro-3-methylphenol	96.15	72.42	75	50-120	2	23
Acenaphthene	48.08	34.11	71	47-120	2	23
4-Nitrophenol	96.15	80.61	84	38-120	2	27
2,4-Dinitrotoluene	48.08	33.79	70	33-120	3	22
Pentachlorophenol	96.15	75.72	79	25-148	6	25
Pyrene	48.08	37.13	77	46-120	1	23

Surrogate	%REC	Limits
2-Fluorophenol	72	41-120
Phenol-d5	66	41-120
2,4,6-Tribromophenol	69	38-120
Nitrobenzene-d5	78	47-120
2-Fluorobiphenyl	75	44-120
Terphenyl-d14	61	16-120

RPD= Relative Percent Difference

16.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW2.1-081505	Batch#:	105026
Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	75	37-140
BZ# 205	89	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

17.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW2.2-081505	Batch#:	105026
Lab ID:	181301-003	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	71	37-140
BZ# 205	80	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

18.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW2.3-081505	Batch#:	105026
Lab ID:	181301-004	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	97	37-140
BZ# 205	108	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

19.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW3.1-081605	Batch#:	105026
Lab ID:	181301-005	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.012
BZ# 18	ND	0.049	0.025
BZ# 28	ND	0.049	0.020
BZ# 52	ND	0.049	0.019
BZ# 44	ND	0.049	0.0097
BZ# 66	ND	0.049	0.0099
BZ# 101	ND	0.049	0.013
BZ# 81	ND	0.049	0.019
BZ# 77	ND	0.049	0.010
BZ# 123	ND	0.049	0.011
BZ# 118	ND	0.049	0.010
BZ# 114	ND	0.049	0.010
BZ# 153	ND	0.049	0.015
BZ# 105	ND	0.049	0.012
BZ# 138	ND	0.049	0.011
BZ# 187	ND	0.049	0.010
BZ# 126	ND	0.049	0.012
BZ# 128	ND	0.049	0.011
BZ# 167	ND	0.049	0.010
BZ# 156	ND	0.049	0.012
BZ# 157	ND	0.049	0.011
BZ# 180	ND	0.049	0.011
BZ# 170	ND	0.049	0.015
BZ# 169	ND	0.049	0.013
BZ# 189	ND	0.049	0.014
BZ# 195	ND	0.049	0.013
BZ# 206	ND	0.049	0.012
BZ# 209	ND	0.049	0.015

Surrogate	%REC	Limits
TCMX	71	37-140
BZ# 205	76	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

20.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW3.2-081605	Batch#:	105026
Lab ID:	181301-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.019
BZ# 52	ND	0.048	0.018
BZ# 44	ND	0.048	0.0096
BZ# 66	ND	0.048	0.0097
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.011
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0098
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.010
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.012
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	64	37-140
BZ# 205	76	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

21.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-DUP-1-081605	Batch#:	105026
Lab ID:	181301-007	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.012
BZ# 18	ND	0.049	0.025
BZ# 28	ND	0.049	0.020
BZ# 52	ND	0.049	0.019
BZ# 44	ND	0.049	0.0097
BZ# 66	ND	0.049	0.0099
BZ# 101	ND	0.049	0.013
BZ# 81	ND	0.049	0.019
BZ# 77	ND	0.049	0.010
BZ# 123	ND	0.049	0.011
BZ# 118	ND	0.049	0.010
BZ# 114	ND	0.049	0.010
BZ# 153	ND	0.049	0.015
BZ# 105	ND	0.049	0.012
BZ# 138	ND	0.049	0.011
BZ# 187	ND	0.049	0.010
BZ# 126	ND	0.049	0.012
BZ# 128	ND	0.049	0.011
BZ# 167	ND	0.049	0.010
BZ# 156	ND	0.049	0.012
BZ# 157	ND	0.049	0.011
BZ# 180	ND	0.049	0.011
BZ# 170	ND	0.049	0.015
BZ# 169	ND	0.049	0.013
BZ# 189	ND	0.049	0.014
BZ# 195	ND	0.049	0.013
BZ# 206	ND	0.049	0.012
BZ# 209	ND	0.049	0.015

Surrogate	%REC	Limits
TCMX	78	37-140
BZ# 205	76	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

22.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW3.3-081605	Batch#:	105026
Lab ID:	181301-008	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.012
BZ# 18	ND	0.049	0.025
BZ# 28	ND	0.049	0.020
BZ# 52	ND	0.049	0.019
BZ# 44	ND	0.049	0.0097
BZ# 66	ND	0.049	0.0099
BZ# 101	ND	0.049	0.013
BZ# 81	ND	0.049	0.019
BZ# 77	ND	0.049	0.010
BZ# 123	ND	0.049	0.011
BZ# 118	ND	0.049	0.010
BZ# 114	ND	0.049	0.010
BZ# 153	ND	0.049	0.015
BZ# 105	ND	0.049	0.012
BZ# 138	ND	0.049	0.011
BZ# 187	ND	0.049	0.010
BZ# 126	ND	0.049	0.012
BZ# 128	ND	0.049	0.011
BZ# 167	ND	0.049	0.010
BZ# 156	ND	0.049	0.012
BZ# 157	ND	0.049	0.011
BZ# 180	ND	0.049	0.011
BZ# 170	ND	0.049	0.015
BZ# 169	ND	0.049	0.013
BZ# 189	ND	0.049	0.014
BZ# 195	ND	0.049	0.013
BZ# 206	ND	0.049	0.012
BZ# 209	ND	0.049	0.015

Surrogate	%REC	Limits
TCMX	95	37-140
BZ# 205	86	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

23.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW3.4-081605	Batch#:	105026
Lab ID:	181301-009	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.012
BZ# 18	ND	0.049	0.025
BZ# 28	ND	0.049	0.020
BZ# 52	ND	0.049	0.019
BZ# 44	ND	0.049	0.0097
BZ# 66	ND	0.049	0.0099
BZ# 101	ND	0.049	0.013
BZ# 81	ND	0.049	0.019
BZ# 77	ND	0.049	0.010
BZ# 123	ND	0.049	0.011
BZ# 118	ND	0.049	0.010
BZ# 114	ND	0.049	0.010
BZ# 153	ND	0.049	0.015
BZ# 105	ND	0.049	0.012
BZ# 138	ND	0.049	0.011
BZ# 187	ND	0.049	0.010
BZ# 126	ND	0.049	0.012
BZ# 128	ND	0.049	0.011
BZ# 167	ND	0.049	0.010
BZ# 156	ND	0.049	0.012
BZ# 157	ND	0.049	0.011
BZ# 180	ND	0.049	0.011
BZ# 170	ND	0.049	0.015
BZ# 169	ND	0.049	0.013
BZ# 189	ND	0.049	0.014
BZ# 195	ND	0.049	0.013
BZ# 206	ND	0.049	0.012
BZ# 209	ND	0.049	0.015

Surrogate	%REC	Limits
TCMX	75	37-140
BZ# 205	79	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

24.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW3.5-081605	Batch#:	105026
Lab ID:	181301-010	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	87	37-140
BZ# 205	85	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

25.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305827	Batch#:	105026
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/21/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.050	0.012
BZ# 18	ND	0.050	0.025
BZ# 28	ND	0.050	0.020
BZ# 52	ND	0.050	0.019
BZ# 44	ND	0.050	0.010
BZ# 66	ND	0.050	0.010
BZ# 101	ND	0.050	0.013
BZ# 81	ND	0.050	0.020
BZ# 77	ND	0.050	0.011
BZ# 123	ND	0.050	0.012
BZ# 118	ND	0.050	0.011
BZ# 114	ND	0.050	0.011
BZ# 153	ND	0.050	0.015
BZ# 105	ND	0.050	0.012
BZ# 138	ND	0.050	0.011
BZ# 187	ND	0.050	0.010
BZ# 126	ND	0.050	0.013
BZ# 128	ND	0.050	0.011
BZ# 167	ND	0.050	0.010
BZ# 156	ND	0.050	0.013
BZ# 157	ND	0.050	0.011
BZ# 180	ND	0.050	0.011
BZ# 170	ND	0.050	0.015
BZ# 169	ND	0.050	0.014
BZ# 189	ND	0.050	0.015
BZ# 195	ND	0.050	0.013
BZ# 206	ND	0.050	0.012
BZ# 209	ND	0.050	0.016

Surrogate	%REC	Limits
TCMX	63	37-140
BZ# 205	85	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

26.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305828	Batch#:	105026
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/21/05

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
BZ# 8	1.000	0.8210	82	50-150
BZ# 18	1.000	0.8434	84	50-150
BZ# 28	1.000	0.8973	90	50-150
BZ# 52	1.000	0.8038	80	50-150
BZ# 44	1.000	0.8317	83	50-150
BZ# 66	1.000	0.8917	89	50-150
BZ# 101	1.000	0.8679	87	50-150
BZ# 81	1.000	0.9865	99	50-150
BZ# 77	1.000	1.087 #	109	50-150
BZ# 123	1.000	0.8935	89	50-150
BZ# 118	1.000	0.8985	90	50-150
BZ# 114	1.000	0.9169	92	50-150
BZ# 153	1.000	0.8497	85	50-150
BZ# 105	1.000	0.9570	96	50-150
BZ# 138	1.000	0.8942	89	50-150
BZ# 187	1.000	0.8277	83	50-150
BZ# 126	1.000	1.042	104	50-150
BZ# 128	1.000	0.8940	89	50-150
BZ# 167	1.000	0.8994	90	50-150
BZ# 156	1.000	0.8962	90	50-150
BZ# 157	1.000	0.9132	91	50-150
BZ# 180	1.000	0.8291	83	50-150
BZ# 170	1.000	0.8657	87	50-150
BZ# 169	1.000	1.007	101	50-150
BZ# 189	1.000	0.9442	94	50-150
BZ# 195	1.000	0.8604	86	50-150
BZ# 206	1.000	0.7984	80	50-150
BZ# 209	1.000	0.8214	82	50-150

Surrogate	%REC	Limits
TCMX	71	37-140
BZ# 205	91	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements

27.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW2.1-081505	Batch#:	105026
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/21/05

Type: MS
Lab ID: QC305829
Cleanup Method: EPA 3665A

Analyte	MSS Result	Spiked	Result	%REC	Limits
BZ# 8	<0.01196	0.9901	0.8919	90	50-150
BZ# 18	<0.02432	0.9901	0.9045	91	50-150
BZ# 28	<0.01952	0.9901	0.9746	98	50-150
BZ# 52	<0.01853	0.9901	0.8558	86	50-150
BZ# 44	<0.009652	0.9901	0.8922	90	50-150
BZ# 66	<0.009834	0.9901	0.9594	97	50-150
BZ# 101	<0.01287	0.9901	0.9272	94	50-150
BZ# 81	<0.01904	0.9901	1.098	111	50-150
BZ# 77	<0.01027	0.9901	1.120 #	113	50-150
BZ# 123	<0.01108	0.9901	0.9543	96	50-150
BZ# 118	<0.01026	0.9901	0.9565	97	50-150
BZ# 114	<0.01010	0.9901	0.9350	94	50-150
BZ# 153	<0.01447	0.9901	0.9007	91	50-150
BZ# 105	<0.01160	0.9901	1.022	103	50-150
BZ# 138	<0.01062	0.9901	0.9583	97	50-150
BZ# 187	<0.009913	0.9901	0.8746	88	50-150
BZ# 126	<0.01229	0.9901	0.9364	95	50-150
BZ# 128	<0.01053	0.9901	0.9511	96	50-150
BZ# 167	<0.01005	0.9901	0.9566	97	50-150
BZ# 156	<0.01220	0.9901	0.9488	96	50-150
BZ# 157	<0.01061	0.9901	0.9656	98	50-150
BZ# 180	<0.01068	0.9901	0.8746	88	50-150
BZ# 170	<0.01442	0.9901	0.9143	92	50-150
BZ# 169	<0.01309	0.9901	1.067	108	50-150
BZ# 189	<0.01405	0.9901	0.9843	99	50-150
BZ# 195	<0.01261	0.9901	0.9074	92	50-150
BZ# 206	<0.01190	0.9901	0.8324	84	50-150
BZ# 209	<0.01531	0.9901	0.8574	87	50-150

Surrogate	%REC	Limits
TCMX	79	37-140
BZ# 205	90	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
RPD= Relative Percent Difference

28.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW2.1-081505	Batch#:	105026
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/21/05

Type: MSD
Lab ID: QC305830
Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
BZ# 8	0.9615	0.8249	86	50-150	5	30
BZ# 18	0.9615	0.8249	86	50-150	6	30
BZ# 28	0.9615	0.8485	88	50-150	11	30
BZ# 52	0.9615	0.7597	79	50-150	9	30
BZ# 44	0.9615	0.7844	82	50-150	10	30
BZ# 66	0.9615	0.8171	85	50-150	13	30
BZ# 101	0.9615	0.8005	83	50-150	12	30
BZ# 81	0.9615	0.8602	89	50-150	21	30
BZ# 77	0.9615	0.9644 #	100	50-150	12	30
BZ# 123	0.9615	0.8011	83	50-150	15	30
BZ# 118	0.9615	0.8046	84	50-150	14	30
BZ# 114	0.9615	0.8170	85	50-150	11	30
BZ# 153	0.9615	0.7669	80	50-150	13	30
BZ# 105	0.9615	0.8470	88	50-150	16	30
BZ# 138	0.9615	0.8042	84	50-150	15	30
BZ# 187	0.9615	0.7413	77	50-150	14	30
BZ# 126	0.9615	0.9107	95	50-150	0	30
BZ# 128	0.9615	0.7900	82	50-150	16	30
BZ# 167	0.9615	0.7926	82	50-150	16	30
BZ# 156	0.9615	0.7886	82	50-150	16	30
BZ# 157	0.9615	0.8258	86	50-150	13	30
BZ# 180	0.9615	0.7674	80	50-150	10	30
BZ# 170	0.9615	0.7554	79	50-150	16	30
BZ# 169	0.9615	0.8655	90	50-150	18	30
BZ# 189	0.9615	0.8095	84	50-150	17	30
BZ# 195	0.9615	0.7401	77	50-150	17	30
BZ# 206	0.9615	0.6809	71	50-150	17	30
BZ# 209	0.9615	0.7016	73	50-150	17	30

Surrogate	%REC	Limits
TCMX	77	37-140
BZ# 205	80	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
RPD= Relative Percent Difference

28.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW2.1-081505	Batch#:	105025
Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.95	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.95	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.007
Dibenz(a,h)anthracene	ND	0.19	0.008
Benzo(g,h,i)perylene	ND	0.19	0.009
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	72	58-132
1-Methylnaphthalene (F)	82	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

44.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW2.2-081505	Batch#:	105025
Lab ID:	181301-003	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.95	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.95	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.007
Dibenz(a,h)anthracene	ND	0.19	0.008
Benzo(g,h,i)perylene	ND	0.19	0.009
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	68	58-132
1-Methylnaphthalene (F)	75	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

45.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW2.3-081505	Batch#:	105025
Lab ID:	181301-004	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.96	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.96	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	85	58-132
1-Methylnaphthalene (F)	95	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

46.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW3.1-081605	Batch#:	105025
Lab ID:	181301-005	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.96	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.96	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	72	58-132
1-Methylnaphthalene (F)	80	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

47.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW3.2-081605	Batch#:	105025
Lab ID:	181301-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.96	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.96	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	91	58-132
1-Methylnaphthalene (F)	93	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

48.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-DUP-1-081605	Batch#:	105025
Lab ID:	181301-007	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.95	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.95	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.007
Dibenz(a,h)anthracene	ND	0.19	0.008
Benzo(g,h,i)perylene	ND	0.19	0.009
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	83	58-132
1-Methylnaphthalene (F)	91	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

49.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW3.3-081605	Batch#:	105025
Lab ID:	181301-008	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.95	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.95	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.01
Dibenz(a,h)anthracene	ND	0.19	0.008
Benzo(g,h,i)perylene	ND	0.19	0.009
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	75	58-132
1-Methylnaphthalene (F)	83	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

50.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW3.4-081605	Batch#:	105025
Lab ID:	181301-009	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.96	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.96	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.01
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	89	58-132
1-Methylnaphthalene (F)	97	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

51.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW3.5-081605	Batch#:	105025
Lab ID:	181301-010	Sampled:	08/16/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.96	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.96	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.01
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	80	58-132
1-Methylnaphthalene (F)	88	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

52.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305823	Batch#:	105025
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/22/05

Analyte	Result	RL	MDL
Naphthalene	ND	1.0	0.07
Acenaphthylene	ND	2.0	0.09
Acenaphthene	ND	1.0	0.06
Fluorene	ND	0.20	0.02
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.20	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.007
Benzo(b)fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.20	0.009
Benzo(g,h,i)perylene	ND	0.20	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	86	58-132
1-Methylnaphthalene (F)	97	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

53.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305824	Batch#:	105025
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/22/05

Analyte	Spiked	Result	%REC	Limits
Naphthalene	10.00	8.453	85	67-120
Acenaphthylene	20.00	16.65	83	70-120
Acenaphthene	10.00	8.799	88	66-120
Fluorene	2.000	1.721	86	69-120
Phenanthrene	1.000	0.9262	93	63-120
Anthracene	1.000	0.9522	95	63-120
Benzo(k)fluoranthene	1.000	0.9185	92	65-124
Indeno(1,2,3-cd)pyrene	1.000	0.9267	93	62-123

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	80	58-132
1-Methylnaphthalene (F)	90	56-135

54.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW2.1-081505	Batch#:	105025
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Type: MS Lab ID: QC305825

Analyte	MSS Result	Spiked	Result	%REC	Limits
Naphthalene	<0.06891	9.524	8.023	84	42-122
Acenaphthylene	<0.09010	19.05	15.65	82	51-126
Acenaphthene	<0.06131	9.524	8.180	86	41-156
Fluorene	<0.01469	1.905	1.608	84	39-150
Phenanthrene	<0.008430	0.9524	0.8732	92	25-205
Anthracene	<0.007771	0.9524	0.8998	94	56-151
Benzo(k)fluoranthene	<0.004910	0.9524	0.8552	90	18-146
Indeno(1,2,3-cd)pyrene	<0.006091	0.9524	0.8611	90	55-159

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	81	58-132
1-Methylnaphthalene (F)	91	56-135

Type: MSD Lab ID: QC305826

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Naphthalene	9.524	7.427	78	42-122	8	36
Acenaphthylene	19.05	14.70	77	51-126	6	34
Acenaphthene	9.524	7.703	81	41-156	6	38
Fluorene	1.905	1.547	81	39-150	4	35
Phenanthrene	0.9524	0.8536	90	25-205	2	33
Anthracene	0.9524	0.8474	89	56-151	6	34
Benzo(k)fluoranthene	0.9524	0.8459	89	18-146	1	34
Indeno(1,2,3-cd)pyrene	0.9524	0.8545	90	55-159	1	33

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	75	58-132
1-Methylnaphthalene (F)	85	56-135

RPD= Relative Percent Difference

55.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181301	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW2.1-081505	Diln Fac:	1.000
Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Filtrate	Received:	08/17/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	1.0	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	12	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105036	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	36	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

56.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181301	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW2.2-081505	Diln Fac:	1.000
Lab ID:	181301-003	Sampled:	08/15/05
Matrix:	Filtrate	Received:	08/17/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	22	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105036	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	7.1	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

57.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181301	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW2.3-081505	Diln Fac:	1.000
Lab ID:	181301-004	Sampled:	08/15/05
Matrix:	Filtrate	Received:	08/17/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	15	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105036	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	5.6	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

58.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181301	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW3.1-081605	Diln Fac:	1.000
Lab ID:	181301-005	Sampled:	08/16/05
Matrix:	Filtrate	Received:	08/17/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	36	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105036	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	4.0	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

59.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181301	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW3.2-081605	Diln Fac:	1.000
Lab ID:	181301-006	Sampled:	08/16/05
Matrix:	Filtrate	Received:	08/17/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	19	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105036	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	4.4	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

60.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181301	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW-DUP-1-081605	Diln Fac:	1.000
Lab ID:	181301-007	Sampled:	08/16/05
Matrix:	Filtrate	Received:	08/17/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	36	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	1.2	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105036	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	13	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

61.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181301	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW3.3-081605	Diln Fac:	1.000
Lab ID:	181301-008	Sampled:	08/16/05
Matrix:	Filtrate	Received:	08/17/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	7.1	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	1.1	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105036	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	1.2	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	7.4	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

62.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181301	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW3.4-081605	Diln Fac:	1.000
Lab ID:	181301-009	Sampled:	08/16/05
Matrix:	Filtrate	Received:	08/17/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	4.2	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	7.7	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	1.6	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105036	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	1.6	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	1.2	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	9.8	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	8.0	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

63.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181301	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW3.5-081605	Diln Fac:	1.000
Lab ID:	181301-010	Sampled:	08/16/05
Matrix:	Filtrate	Received:	08/17/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	1.5	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	22	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	2.0	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105036	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	23	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	METHOD
Project#:	16017.01	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	105036
Lab ID:	QC305868	Prepared:	08/22/05
Matrix:	Filtrate	Analyzed:	08/22/05
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

65.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	METHOD
Project#:	16017.01	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	105036
Matrix:	Filtrate	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC305869	5.000	4.850	97	80-120		
BSD	QC305870	5.000	4.600	92	80-120	5	20

RPD= Relative Percent Difference

67.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	METHOD
Project#:	16017.01	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	105036
Field ID:	MW2.1-081505	Sampled:	08/15/05
MSS Lab ID:	181301-002	Received:	08/17/05
Matrix:	Filtrate	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC305871	<0.07957	5.000	4.740	95	80-120		
MSD	QC305872		5.000	4.580	92	80-120	3	20

RPD= Relative Percent Difference

68.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	200.8
Project#:	16017.01	Analysis:	EPA 6020
Type:	BLANK	Diln Fac:	5.000
Lab ID:	QC306066	Batch#:	105083
Matrix:	Filtrate	Prepared:	08/23/05
Units:	ug/L	Analyzed:	08/26/05

Analyte	Result	RL
Antimony	ND	5.0
Arsenic	ND	5.0
Barium	ND	5.0
Beryllium	ND	5.0
Cadmium	ND	5.0
Chromium	ND	5.0
Cobalt	ND	5.0
Copper	ND	5.0
Lead	ND	5.0
Molybdenum	ND	5.0
Nickel	ND	5.0
Selenium	ND	5.0
Silver	ND	5.0
Thallium	ND	5.0
Vanadium	ND	5.0
Zinc	ND	5.0

ND= Not Detected
RL= Reporting Limit

66.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	200.8
Project#:	16017.01	Analysis:	EPA 6020
Matrix:	Filtrate	Batch#:	105083
Units:	ug/L	Prepared:	08/23/05
Diln Fac:	1.000		

Type: BS Lab ID: QC306067

Analyte	Spiked	Result	%REC	Limits	Analyzed
Antimony	100.0	101.0	101	80-120	08/26/05
Arsenic	100.0	101.3	101	80-120	08/26/05
Barium	100.0	102.8	103	80-120	08/26/05
Beryllium	100.0	103.8	104	80-120	08/26/05
Cadmium	100.0	100.7	101	80-120	08/26/05
Chromium	100.0	112.2	112	80-120	08/26/05
Cobalt	100.0	109.2	109	80-120	08/26/05
Copper	100.0	107.2	107	80-120	08/26/05
Lead	100.0	105.0	105	80-120	08/26/05
Molybdenum	100.0	102.5	103	80-120	08/26/05
Nickel	100.0	106.4	106	80-120	08/26/05
Selenium	100.0	94.47	94	80-120	08/26/05
Silver	100.0	106.2	106	80-120	08/26/05
Thallium	100.0	102.0	102	80-120	08/26/05
Vanadium	100.0	112.3	112	80-120	08/26/05
Zinc	100.0	100.5	101	80-120	08/29/05

Type: BSD Lab ID: QC306068

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
Antimony	100.0	100.7	101	80-120	0	20	08/26/05
Arsenic	100.0	102.4	102	80-120	1	20	08/26/05
Barium	100.0	102.6	103	80-120	0	20	08/26/05
Beryllium	100.0	105.3	105	80-120	1	20	08/26/05
Cadmium	100.0	100.9	101	80-120	0	20	08/26/05
Chromium	100.0	112.0	112	80-120	0	20	08/26/05
Cobalt	100.0	109.3	109	80-120	0	20	08/26/05
Copper	100.0	107.8	108	80-120	1	20	08/26/05
Lead	100.0	103.7	104	80-120	1	20	08/26/05
Molybdenum	100.0	102.1	102	80-120	0	20	08/26/05
Nickel	100.0	108.7	109	80-120	2	20	08/26/05
Selenium	100.0	95.65	96	80-120	1	20	08/26/05
Silver	100.0	107.2	107	80-120	1	20	08/26/05
Thallium	100.0	102.9	103	80-120	1	20	08/26/05
Vanadium	100.0	110.7	111	80-120	1	20	08/26/05
Zinc	100.0	98.09	98	80-120	2	20	08/29/05

RPD= Relative Percent Difference

69.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181301	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	200.8
Project#:	16017.01	Analysis:	EPA 6020
Field ID:	MW2.1-081505	Batch#:	105083
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Filtrate	Received:	08/17/05
Units:	ug/L	Prepared:	08/23/05
Diln Fac:	1.000	Analyzed:	08/26/05

Type: MS Lab ID: QC306069

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.3033	100.0	98.79	98	80-120
Arsenic	1.024	100.0	98.54	98	80-120
Barium	11.60	100.0	113.1	102	77-125
Beryllium	<0.05514	100.0	101.9	102	80-120
Cadmium	<0.1409	100.0	94.80	95	78-120
Chromium	0.9425	100.0	104.6	104	80-120
Cobalt	0.4452	100.0	101.8	101	80-120
Copper	0.7430	100.0	102.3	102	80-120
Lead	<0.2399	100.0	102.6	103	80-120
Molybdenum	0.2648	100.0	98.91	99	80-120
Nickel	0.3999	100.0	102.5	102	77-120
Selenium	0.7294	100.0	89.14	88	64-123
Silver	<0.04084	100.0	100.9	101	71-120
Thallium	0.1154	100.0	99.37	99	62-120
Vanadium	0.4369	100.0	105.9	105	78-130
Zinc	36.34	100.0	99.29	63 *	64-129

Type: MSD Lab ID: QC306070

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	97.74	97	80-120	1	20
Arsenic	100.0	97.33	96	80-120	1	20
Barium	100.0	113.2	102	77-125	0	20
Beryllium	100.0	99.40	99	80-120	2	20
Cadmium	100.0	93.60	94	78-120	1	20
Chromium	100.0	105.0	104	80-120	0	20
Cobalt	100.0	100.1	100	80-120	2	20
Copper	100.0	100.8	100	80-120	1	20
Lead	100.0	101.2	101	80-120	1	20
Molybdenum	100.0	98.78	99	80-120	0	20
Nickel	100.0	102.0	102	77-120	0	20
Selenium	100.0	89.06	88	64-123	0	20
Silver	100.0	99.37	99	71-120	2	20
Thallium	100.0	98.64	99	62-120	1	20
Vanadium	100.0	106.1	106	78-130	0	20
Zinc	100.0	121.1	85	64-129	20	28

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

70.0

Acton - Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

181301

[X] Standard TAT [ ] RUSH TAT [ ] 24 hr. TAT [ ] 48 hr. TAT [ ] 72 hr. TAT [X] 5 day TAT

Page of | Chain of Custody No. 4375

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- [ ] Preliminary Fax Result
- [X] Sample Receipt/ Log-In Confirmation
- [X] Electronic Data Deliverables
- [X] Geotracker EDF
- [ ] Raw Data Deliverables
- [ ] Call with Verbal Results

Requested Analysis: 8015B TPHg, 8260B VOC's, Temperature 1 per cooler

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	8015B TPHg	8260B VOC's *1	Comments
-1	6	MW2.1-081505TB1	8/15/05	0850	W	V	6	HCL	X	X	*1 VOCs Low Level
-2	36	MW2.1-081505	8/15/05	1332	GW	V	18	HCL	X	X	Run MS/MSD on this sample
-3	12	MW2.2-081505	8/15/05	1518	GW	V	6	HCL	X	X	
-4	12	MW2.3-081505	8/15/05	1425	GW	V	6	HCL	X	X	
-5	12	MW3.1-081605	8/16/05	0845	GW	V	6	HCL	X	X	
-6	12	MW3.2-081605	8/16/05	0950	GW	V	6	HCL	X	X	
-7	12	MWDUP1081605	8/16/05	—	GW	V	6	HCL	X	X	

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/16/05	1430	Relinquished by:		
Received by: [signature]	8/17/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

Cooler Temp = 2.5°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton - Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

18130 1

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Page ___ of ___ | Chain of Custody No. 4379

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd & TPHg	8270C SVOC's	8082 PCB Congeners	8310 PAH	6020B/7471 Metals	Temperature					Comments
									*1				*2						
		MW-2.1-0815 05	8/15/05	1332	GW	GB	3	C	X										*1 Use Silica Gel Cleanup
		MW-2.1-0815 05	8/15/05	1332	GW	GB	6	C		X									*2 Metals, dissolved Field Filtered
-2		MW-2.1-0815 05	8/15/05	1332	GW	GB	3	C			X								Run MS/MSD on this Sample
		MW-2.1-0815 05	8/15/05	1332	GW	GB	3	C				X							
		MW-2.1-0815 05	8/15/05	1332	GW	P	3	HNO3					X						
		Temperature Blank	8/15/05	—	W	P	1	C						X					one per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/16/05	1430	Relinquished by:		
Received by: [illegible]	8/17/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01 Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

Cooler Temp = 2-4°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

181301

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Page ___ of ___ | Chain of Custody # 4380

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	8015B TPHd+TPHg	8270C 5 VOC's	8082 PCB Congeners	8310 PAH	6020CB/7471 Metals	Temperature						Comments
									*1				*2							
		MW-2.2-08 15 05	8/15/05	1518	GW	GB	1	C	X											*1 Use Silica Gel Cleanup
		MW-2.2-08 15 05	8/15/05	1518	GW	GB	2	C		X										*2 Metals, dissolved Field Filtered
3		MW-2.2-08 15 05	8/15/05	1518	GW	GB	1	C			X									
		MW-2.2-08 15 05	8/15/05	1518	GW	GB	1	C				X								
		MW-2.2-08 15 05	8/15/05	1518	GW	P	1	HNO3					X							
		Temperature	8/15/05	—	W	P	1	C						X						one per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/16/05	1430	Relinquished by:		
Received by: [signature]	8/17/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) [signature] (Signature)

Cooler Temp = 2.2°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton • Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

Page ____ of ____ | Chain of Custody No. 4381

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

K61301

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- [ ] Preliminary Fax Result
- [X] Sample Receipt/ Log-In Confirmation
- [X] Electronic Data Deliverables
- [X] Geotracker EDF
- [ ] Raw Data Deliverables
- [ ] Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd+TPHg	8270C SVOC's	8082 PCB Congeners	8310 PAH	6020B/7471 Metals	Temperature					Comments
									*1				*2						
		MW-2.3-08 15 05	8/15/05	1425	GW	GB	1	C	X										*1 use Silica Gel Cleanup
		MW-2.3-08 15 05	8/15/05	1425	GW	GB	2	C		X									*2 Metals dissolved Field Filtered
4		MW-2.3-08 15 05	8/15/05	1425	GW	GB	1	C			X								
		MW-2.3 08 15 05	8/15/05	1425	GW	GB	1	C				X							
		MW-2.3 08 15 05	8/15/05	1425	GW	P	1	HNO3					X						
		Temperature	8/16/05	—	W	P	1	C						X					one per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/16/05	1430	Relinquished by:		
Received by: [signature]	8/17/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01 Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

Cooler Temp = 2°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton • Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

181301

Page ___ of ___	Chain of Custody N° 4163

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- [ ] Preliminary Fax Result
- [X] Sample Receipt/ Log-In Confirmation
- [X] Electronic Data Deliverables
- [X] Geotracker EDF
- [ ] Raw Data Deliverables
- [ ] Call with Verbal Results

Requested Analysis: 8015B TPHd + TPHo; 8270C SVOC's; 8082 PCB Congeners; 8310 PAH; 6020B/7471 Metals; Temperature

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	*1				*2					Comments
-5		MW-3.1-08 16 05	8/16/05	0845	GW	GB	1	C	X									*1 Use Silica Gel Cleanup
		MW-3.1-08 16 05	8/16/05	0845	GW	GB	2	C		X								*2 Metals dissolved Field Filtered
		MW-3.1-08 16 05	8/16/05	0845	GW	GB	1	C			X							
		MW-3.1-08 16 05	8/16/05	0845	GW	GB	1	C				X						
		MW-3.1-08 16 05	8/16/05	0845	GW	P	1	HNO3					X					
		Temperature	8/16/05	—	W	P	1	C						X				one per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/16/05	1430	Relinquished by:		
Received by: [signature]	8/17/05	12:00	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific- Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

Cooler Temp = 3°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton • Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

K61301

Page ____ of ____ | Chain of Custody No. 4164

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd	8270C SVOC's	8082 PCB Congeners	8310 PAH	6020B/7471 Metals	Temperature					Comments
									*1				*2						
		MW3.2-08 16 05	8/16/05	0950	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
		MW3.2-08 16 05	8/16/05	0950	GW	GB	2	C		X									*2 Metals, dissolved Field Filtered
		MW3.2-08 16 05	8/16/05	0950	GW	GB	1	C			X								
		MW3.2-08 16 05	8/16/05	0950	GW	GB	1	C				X							
		MW3.2-08 16 05	8/16/05	0950	GW	P	1	HNO3					X						
		Temperature	8/16/05	—	W	P	1	C						X					one per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/16/05	1430	Relinquished by:		
Received by: [illegible]	8/17/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01 Receiving Lab: Curtis + Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

Cooler Temp = 3.4°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton • Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

181301

Page	of	Chain of Custody No. 4158

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- [ ] Preliminary Fax Result
- [X] Sample Receipt/ Log-In Confirmation
- [X] Electronic Data Deliverables
- [X] Geotracker EDF
- [ ] Raw Data Deliverables
- [ ] Call with Verbal Results

Requested Analysis: 8015B TPHd + TPHo; 8270C SVOC's; 8082 PCB Congeners; 8310 PAH; 6020B/7471 Metals; Temperature

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	*1				*2					Comments
		MW-DUP-1-081605	8/16/05	—	GW	GB	1	C	X									*1 Use Silica Gel Cleanup
		MW-DUP-1-081605	8/16/05	—	GW	GB	2	C		X								*2 Metals, dissolved Field Filtered
		MW-DUP-1-081605	8/16/05	—	GW	GB	1	C			X							
		MW-DUP-1-081605	8/16/05	—	GW	GB	1	C				X						
		MW-DUP-1-08 05	8/16/05	—	GW	P	1	HNO3					X					
		Temperature	8/16/05	—	W	P	1	C							X			One per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/16/05	1430	Relinquished by:		
Received by: [signature]	8/17/05	12 00	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis + Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

Cooler Temp = 2.6°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton - Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

181301

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Page ____ of ____ | Chain of Custody # 1165

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPH & TPH	8270C SVOC's	8082 PCB Congeners	8310 PAH	6020B/7471 Metals	Temperature					Comments
									*1				*2						
	6	MW-33-08 16 05	8/16/05	1035	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
		MW-33-08 16 05	8/16/05	1035	GW	GB	2	C		X									*2 Metals, dissolved, Field Filtered
-8		MW-33-08 16 05	8/16/05	1035	GW	GB	1	C			X								
		MW-33-08 16 05	8/16/05	1035	GW	GB	1	C				X							
		MW-33-08 16 05	8/16/05	1035	GW	P	1	HNO3					X						
		Temperature	8/16/05	—	W	P	1	C						X					one per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/16/05	1430	Relinquished by:		
Received by: [signature]	8/17/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) [signature] (Signature)

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Cooler Temp = 2.3°

Acton • Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T06C4591192

181301

Page	of	Chain of Custody	4189

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- [ ] Preliminary Fax Result
- [X] Sample Receipt/ Log-In Confirmation
- [X] Electronic Data Deliverables
- [X] Geotracker EDF
- [ ] Raw Data Deliverables
- [ ] Call with Verbal Results

Requested Analysis: 8015B TPHd+TPHd; 8270C SVOC's; 8082 PCB Congeners; 8310 PAH; 6020B/7471 Metals; Temperature

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	*1				*2					Comments
	6	MW-3,4-0816 05	8/16/05	1123	GW	GB	1	C	X									*1 Use Silica Gel Cleanup
		MW-3,4-0816 05	8/16/05	1123	GW	GB	2	C		X								*2 Metals, dissolved Field Filtered
9		MW-3,4-0816 05	8/16/05	1123	GW	GB	1	C			X							
		MW-3,4-0816 05	8/16/05	1123	GW	GB	1	C				X						
		MW-3,4-0816 05	8/16/05	1123	GW	P	1	HNO3					X					
		Temperature	8/16/05	—	W	P	1	C						X				one per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/16/05	1430	Relinquished by:		
Received by: [signature]	8/17/05	12:00	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Cooler Temp = 2.7°

Acton • Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

181301

☒	Standard TAT
☐	RUSH TAT
☐	24 hr. TAT
☐	48 hr. TAT
☐	72 hr. TAT
☒	5 day TAT

Page ___ of ___ | Chain of Custody N 4190

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

	Preliminary Fax Result
X	Sample Receipt/ Log-In Confirmation
X	Electronic Data Deliverables
X	Geotracker EDF
	Raw Data Deliverables
	Call with Verbal Results

Requested Analysis: 8015 B TPHd + TPHO; 8270C SVOC in; 8082 PCB Congeners; 8310 PAH; 6020B/7471 Metals; Temperature

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	*1				*2						Comments
	6	MW-3.5-0816 05	8/16/05	1215	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
		MW-3.5-0816 05	8/16/05	1215	GW	GB	2	C		X									*2 Metals, dissolved Field Filtered
		MW-3.5-0816 05	8/16/05	1215	GW	GB	1	C			X								
-10		MW-3.5-0816 05	8/16/05	1215	GW	GB	1	C				X							
		MW-3.5-0816 05	8/16/05	1215	GW	P	1	HNO3					X						
		Temperature	8/16/05	—	W	P	1	C						X					one per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/16/05	1430	Relinquished by:		
Received by: [signature]	8/17/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

Cooler Temp = 2°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

16017.01/8

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Acton Mickelson Environmental
5175 Hillsdale Cir
El Dorado Hills, CA 95762

Date: 09-SEP-05
Lab Job Number: 181341
Project ID: 16017.01
Location: Former GA-Pacific Sawmill

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

RECEIVED
SEP 13 2005
By_____

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Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

CASE NARRATIVE

Laboratory number:	**181341**
Client:	**Acton Mickelson Environmental**
Project:	**16017.01**
Location:	**Former GA-Pacific Sawmill**
Request Date:	**08/18/05**
Samples Received:	**08/18/05**

This hardcopy data package contains sample and QC results for fifteen water samples, requested for the above referenced project on 08/18/05. The samples were received on ice and intact except for one amber liter for sample MW-5.5-081705 was received broken.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
Diesel C10-C24 was detected between the MDL and the RL in the method blank for batch 105027; this analyte was not detected in samples at or above the RL. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
Chloroform was detected between the MDL and the RL in the method blank for batch 105049; this analyte was not detected in samples at or above the RL. No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):
No analytical problems were encountered.

Polychlorinated Biphenyl Congeners (EPA 8082):
Low surrogate recoveries were observed for TCMX in many samples; no associated target analytes were detected in the sample. The associated BZ#205 surrogate was acceptable. No other analytical problems were encountered.

Polynuclear Aromatics by HPLC (EPA 8310):
No analytical problems were encountered.

Metals (EPA 6020 and EPA 7470A):
Metals reprocessed 23-Sept-05 for lowest possible reporting limits. No analytical problems were encountered.

#
90.2

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	104973
Units:	ug/L	Received:	08/18/05
Diln Fac:	1.000		

Field ID:	MW3.5-081605TB2	Sampled:	08/16/05
Type:	SAMPLE	Analyzed:	08/18/05
Lab ID:	181341-001		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	82	63-141
Bromofluorobenzene (FID)	98	79-139

Field ID:	MW3.3-081605	Sampled:	08/16/05
Type:	SAMPLE	Analyzed:	08/18/05
Lab ID:	181341-002		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	63-141
Bromofluorobenzene (FID)	113	79-139

Field ID:	MW3.4-081605	Sampled:	08/16/05
Type:	SAMPLE	Analyzed:	08/18/05
Lab ID:	181341-003		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	63-141
Bromofluorobenzene (FID)	119	79-139

Field ID:	MW3.5-081605	Sampled:	08/16/05
Type:	SAMPLE	Analyzed:	08/18/05
Lab ID:	181341-004		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	63-141
Bromofluorobenzene (FID)	105	79-139

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	104973
Units:	ug/L	Received:	08/18/05
Diln Fac:	1.000		

Field ID:	MW3.6-081605	Sampled:	08/16/05
Type:	SAMPLE	Analyzed:	08/18/05
Lab ID:	181341-005		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	63-141
Bromofluorobenzene (FID)	105	79-139

Field ID:	MW5.2-081605	Sampled:	08/16/05
Type:	SAMPLE	Analyzed:	08/18/05
Lab ID:	181341-006		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	63-141
Bromofluorobenzene (FID)	117	79-139

Field ID:	MWDUP2-081605	Sampled:	08/16/05
Type:	SAMPLE	Analyzed:	08/18/05
Lab ID:	181341-007		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	63-141
Bromofluorobenzene (FID)	112	79-139

Field ID:	MW5.3-081605	Sampled:	08/16/05
Type:	SAMPLE	Analyzed:	08/18/05
Lab ID:	181341-008		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	63-141
Bromofluorobenzene (FID)	113	79-139

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	104973
Units:	ug/L	Received:	08/18/05
Diln Fac:	1.000		

Field ID:	MW5.4-081605	Sampled:	08/16/05
Type:	SAMPLE	Analyzed:	08/19/05
Lab ID:	181341-009		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	63-141
Bromofluorobenzene (FID)	117	79-139

Field ID:	MW3.7-081705	Sampled:	08/17/05
Type:	SAMPLE	Analyzed:	08/19/05
Lab ID:	181341-010		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	63-141
Bromofluorobenzene (FID)	115	79-139

Field ID:	MW3.8-081705	Sampled:	08/17/05
Type:	SAMPLE	Analyzed:	08/19/05
Lab ID:	181341-011		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	63-141
Bromofluorobenzene (FID)	118	79-139

Field ID:	MW3.9-081705	Sampled:	08/17/05
Type:	SAMPLE	Analyzed:	08/19/05
Lab ID:	181341-012		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	63-141
Bromofluorobenzene (FID)	108	79-139

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	104973
Units:	ug/L	Received:	08/18/05
Diln Fac:	1.000		

Field ID:	MW5.5-081705	Sampled:	08/17/05
Type:	SAMPLE	Analyzed:	08/19/05
Lab ID:	181341-013		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	86	63-141
Bromofluorobenzene (FID)	100	79-139

Field ID:	MW5.6-081705	Sampled:	08/17/05
Type:	SAMPLE	Analyzed:	08/19/05
Lab ID:	181341-014		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	63-141
Bromofluorobenzene (FID)	115	79-139

Field ID:	MW5.7-081705	Sampled:	08/17/05
Type:	SAMPLE	Analyzed:	08/19/05
Lab ID:	181341-015		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	88	63-141
Bromofluorobenzene (FID)	108	79-139

Type:	BLANK	Analyzed:	08/18/05
Lab ID:	QC305621		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	63-141
Bromofluorobenzene (FID)	106	79-139

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305622	Batch#:	104973
Matrix:	Water	Analyzed:	08/18/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,968	98	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	63-141
Bromofluorobenzene (FID)	109	79-139

3.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Field ID:	MW5.2-081605	Batch#:	104973
MSS Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/19/05
Diln Fac:	1.000		

Type: MS Lab ID: QC305623

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	18.09	2,000	2,050	102	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	63-141
Bromofluorobenzene (FID)	120	79-139

Type: MSD Lab ID: QC305624

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,063	102	80-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	63-141
Bromofluorobenzene (FID)	115	79-139

RPD= Relative Percent Difference

4.0

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Total Extractable Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Analysis:	EPA 8015B
Project#:	16017.01		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/18/05

Field ID:	MW3.6-081605	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181341-005	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/16/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	94	55-143

Field ID:	MW5.2-081605	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181341-006	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/16/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	92	55-143

Field ID:	MWDUP2-081605	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181341-007	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/16/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	94	55-143

J= Estimated value
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

69.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Analysis:	EPA 8015B
Project#:	16017.01		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/18/05

Field ID:	MW5.3-081605	Prepared:	08/22/05
Type:	SAMPLE	Analyzed:	08/23/05
Lab ID:	181341-008	Prep:	EPA 3510C
Batch#:	105058	Cleanup Method:	EPA 3630C
Sampled:	08/16/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	34
Motor Oil C24-C36	ND	300	55

Surrogate	%REC	Limits
Hexacosane	90	55-143

Field ID:	MW5.4-081605	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181341-009	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/16/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	89	55-143

Field ID:	MW3.7-081705	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181341-010	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/17/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	101	55-143

J= Estimated value
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

69.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Analysis:	EPA 8015B
Project#:	16017.01		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/18/05

Field ID:	MW3.8-081705	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181341-011	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/17/05		

Analyte	Result	RL	MDL
Diesel C10-C24	20 J Y	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	94	55-143

Field ID:	MW3.9-081705	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181341-012	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/17/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	16
Motor Oil C24-C36	ND	300	55

Surrogate	%REC	Limits
Hexacosane	92	55-143

Field ID:	MW5.5-081705	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181341-013	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/17/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	16
Motor Oil C24-C36	ND	300	55

Surrogate	%REC	Limits
Hexacosane	77	55-143

J= Estimated value
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

69.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Analysis:	EPA 8015B
Project#:	16017.01		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/18/05

Field ID:	MW5.6-081705	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181341-014	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/17/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	16
Motor Oil C24-C36	ND	300	55

Surrogate	%REC	Limits
Hexacosane	89	55-143

Field ID:	MW5.7-081705	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181341-015	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/17/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	16
Motor Oil C24-C36	ND	300	55

Surrogate	%REC	Limits
Hexacosane	90	55-143

Type:	BLANK	Analyzed:	08/24/05
Lab ID:	QC305831	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Prepared:	08/21/05		

Analyte	Result	RL	MDL
Diesel C10-C24	29 J	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	104	55-143

J= Estimated value
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

69.0

Curtis & Tompkins, Ltd.
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Total Extractable Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Analysis:	EPA 8015B
Project#:	16017.01		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/18/05

Type:	BLANK	Analyzed:	08/23/05
Lab ID:	QC305967	Prep:	EPA 3510C
Batch#:	105058	Cleanup Method:	EPA 3630C
Prepared:	08/22/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	34
Motor Oil C24-C36	ND	300	55

Surrogate	%REC	Limits
Hexacosane	83	55-143

J= Estimated value
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

69.0

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Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305832	Batch#:	105027
Matrix:	Water	Prepared:	08/21/05
Units:	ug/L	Analyzed:	08/24/05

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,946	78	50-133

Surrogate	%REC	Limits
Hexacosane	90	55-143

70.0

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Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8015B
Field ID:	MW5.2-081605	Batch#:	105027
MSS Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/21/05
Diln Fac:	1.000	Analyzed:	08/24/05

Type: MS
Lab ID: QC305833
Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<12.82	2,500	1,781	71	42-127

Surrogate	%REC	Limits
Hexacosane	83	55-143

Type: MSD
Lab ID: QC305834
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,817	73	42-127	2	45

Surrogate	%REC	Limits
Hexacosane	83	55-143

RPD= Relative Percent Difference

71.0

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Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3510C
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	105058
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Type: BS
Lab ID: QC305968
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,898	76	50-133

Surrogate	%REC	Limits
Hexacosane	75	55-143

Type: BSD
Lab ID: QC305969
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,509	100	50-133	28	40

Surrogate	%REC	Limits
Hexacosane	93	55-143

RPD= Relative Percent Difference

72.0

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Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.5-081605TB2	Batch#:	105042
Lab ID:	181341-001	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	ND	100	1.4
Acetone	ND	10	0.3
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07
1,3,5-Trimethylbenzene	ND	0.5	0.08

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

5.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.5-081605TB2	Batch#:	105042
Lab ID:	181341-001	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	114	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

5.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.3-081605	Batch#:	105042
Lab ID:	181341-002	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	ND	100	1.4
Acetone	ND	10	0.3
Freon 113	7.0	5.0	0.1
1,1-Dichloroethene	0.3 J	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	0.2 J	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	1.1	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	0.5 J	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	0.3 J	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	7.5	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	0.4 J	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	1.8	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

6.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.3-081605	Batch#:	105042
Lab ID:	181341-002	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.08
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	107	80-122
Toluene-d8	105	80-120
Bromofluorobenzene	96	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

6.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.4-081605	Batch#:	105042
Lab ID:	181341-003	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	3.3 J	100	1.4
Acetone	3.8 J	10	0.3
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

7.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.4-081605	Batch#:	105042
Lab ID:	181341-003	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.08
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	104	80-122
Toluene-d8	109	80-120
Bromofluorobenzene	99	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

7.0

Curtis & Tompkins, Ltd.
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Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.5-081605	Batch#:	105042
Lab ID:	181341-004	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	ND	100	1.4
Acetone	ND	10	0.3
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07
1,3,5-Trimethylbenzene	ND	0.5	0.08

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.5-081605	Batch#:	105042
Lab ID:	181341-004	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	114	80-122
Toluene-d8	107	80-120
Bromofluorobenzene	101	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.6-081605	Batch#:	105042
Lab ID:	181341-005	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	ND	100	1.4
Acetone	ND	10	0.3
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07
1,3,5-Trimethylbenzene	ND	0.5	0.08

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

9.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.6-081605	Batch#:	105042
Lab ID:	181341-005	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	113	80-122
Toluene-d8	107	80-120
Bromofluorobenzene	106	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

9.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW5.2-081605	Batch#:	105049
Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

10.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW5.2-081605	Batch#:	105049
Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	116	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	108	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

10.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MWDUP2-081605	Batch#:	105049
Lab ID:	181341-007	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	0.5	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

11.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MWDUP2-081605	Batch#:	105049
Lab ID:	181341-007	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	118	80-122
Toluene-d8	105	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

11.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW5.3-081605	Batch#:	105049
Lab ID:	181341-008	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	0.5	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	0.3 J	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	0.6	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

12.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW5.3-081605	Batch#:	105049
Lab ID:	181341-008	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	1.1 J	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	117	80-122
Toluene-d8	105	80-120
Bromofluorobenzene	104	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

12.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW5.4-081605	Batch#:	105049
Lab ID:	181341-009	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	0.5 J	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

13.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW5.4-081605	Batch#:	105049
Lab ID:	181341-009	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	115	80-122
Toluene-d8	103	80-120
Bromofluorobenzene	105	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

13.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.7-081705	Batch#:	105049
Lab ID:	181341-010	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	0.4 J	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	0.1 J	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

14.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.7-081705	Batch#:	105049
Lab ID:	181341-010	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	116	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	103	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

14.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.8-081705	Batch#:	105049
Lab ID:	181341-011	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	0.3 J	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

15.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.8-081705	Batch#:	105049
Lab ID:	181341-011	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	117	80-122
Toluene-d8	106	80-120
Bromofluorobenzene	103	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

15.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.9-081705	Batch#:	105049
Lab ID:	181341-012	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

16.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW3.9-081705	Batch#:	105049
Lab ID:	181341-012	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	118	80-122
Toluene-d8	103	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

16.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW5.5-081705	Batch#:	105049
Lab ID:	181341-013	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	0.3 J	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

17.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW5.5-081705	Batch#:	105049
Lab ID:	181341-013	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	117	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	104	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

17.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW5.6-081705	Batch#:	105049
Lab ID:	181341-014	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	0.4 J	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

18.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW5.6-081705	Batch#:	105049
Lab ID:	181341-014	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	120	80-122
Toluene-d8	103	80-120
Bromofluorobenzene	106	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

18.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW5.7-081705	Batch#:	105049
Lab ID:	181341-015	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	1.5	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

19.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW5.7-081705	Batch#:	105049
Lab ID:	181341-015	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	118	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	105	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

19.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	105042
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Type: BS Lab ID: QC305895

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	23.81	95	75-121
Benzene	25.00	23.60	94	80-120
Trichloroethene	25.00	24.46	98	78-120
Toluene	25.00	27.49	110	80-120
Chlorobenzene	25.00	23.71	95	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	100	80-122
Toluene-d8	107	80-120
Bromofluorobenzene	101	80-124

Type: BSD Lab ID: QC305896

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.69	99	75-121	4	20
Benzene	25.00	26.57	106	80-120	12	20
Trichloroethene	25.00	26.95	108	78-120	10	20
Toluene	25.00	28.39	114	80-120	3	20
Chlorobenzene	25.00	26.45	106	80-120	11	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	108	80-122
Toluene-d8	110	80-120
Bromofluorobenzene	103	80-124

RPD= Relative Percent Difference

22.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305897	Batch#:	105042
Matrix:	Water	Analyzed:	08/22/05
Units:	ug/L		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.2
Ethanol	ND	1,000	7.9
Trichlorofluoromethane	ND	1.0	0.09
Isopropanol	ND	100	1.4
Acetone	ND	10	0.3
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.1
Carbon Disulfide	ND	0.5	0.06
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.08
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.03
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.05
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.07
1,2-Dichloropropane	ND	0.5	0.07
Bromodichloromethane	ND	0.5	0.08
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.09
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.06
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.09
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.05
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.08
1,2-Dibromoethane	ND	0.5	0.05
Chlorobenzene	ND	0.5	0.08
1,1,1,2-Tetrachloroethane	ND	0.5	0.05
Ethylbenzene	ND	0.5	0.06
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.07
Bromoform	ND	1.0	0.08
Isopropylbenzene	ND	0.5	0.05
1,1,2,2-Tetrachloroethane	ND	0.5	0.07
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.05
Bromobenzene	ND	0.5	0.07
1,3,5-Trimethylbenzene	ND	0.5	0.08

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

20.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305897	Batch#:	105042
Matrix:	Water	Analyzed:	08/22/05
Units:	ug/L		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.05
4-Chlorotoluene	ND	0.5	0.03
tert-Butylbenzene	ND	0.5	0.04
1,2,4-Trimethylbenzene	ND	0.5	0.08
sec-Butylbenzene	ND	0.5	0.04
para-Isopropyl Toluene	ND	0.5	0.06
1,3-Dichlorobenzene	ND	0.5	0.07
1,4-Dichlorobenzene	ND	0.5	0.09
n-Butylbenzene	ND	0.5	0.05
1,2-Dichlorobenzene	ND	0.5	0.07
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	110	80-122
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

20.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305926	Batch#:	105049
Matrix:	Water	Analyzed:	08/22/05
Units:	ug/L		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	0.1 J	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

21.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305926	Batch#:	105049
Matrix:	Water	Analyzed:	08/22/05
Units:	ug/L		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	112	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	103	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

21.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305927	Batch#:	105049
Matrix:	Water	Analyzed:	08/22/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	23.82	95	75-121
Benzene	25.00	25.82	103	80-120
Trichloroethene	25.00	27.06	108	78-120
Toluene	25.00	27.35	109	80-120
Chlorobenzene	25.00	27.83	111	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	111	80-122
Toluene-d8	103	80-120
Bromofluorobenzene	97	80-124

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW5.2-081605	Batch#:	105049
MSS Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Type: MS Lab ID: QC305928

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.08940	25.00	24.42	98	70-124
Benzene	<0.02734	25.00	24.53	98	79-120
Trichloroethene	<0.08663	25.00	26.14	105	71-120
Toluene	<0.05252	25.00	26.54	106	77-120
Chlorobenzene	<0.04954	25.00	26.32	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	119	80-122
Toluene-d8	103	80-120
Bromofluorobenzene	99	80-124

Type: MSD Lab ID: QC305929

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.02	96	70-124	2	20
Benzene	25.00	25.01	100	79-120	2	20
Trichloroethene	25.00	25.78	103	71-120	1	20
Toluene	25.00	26.42	106	77-120	0	20
Chlorobenzene	25.00	25.76	103	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	116	80-122
Toluene-d8	104	80-120
Bromofluorobenzene	100	80-124

RPD= Relative Percent Difference

24.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.6-081605	Batch#:	105024
Lab ID:	181341-005	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	0.34
Phenol	ND	9.6	0.87
bis(2-Chloroethyl)ether	ND	9.6	0.52
2-Chlorophenol	ND	9.6	0.86
1,3-Dichlorobenzene	ND	9.6	0.53
1,4-Dichlorobenzene	ND	9.6	0.53
Benzyl alcohol	ND	9.6	0.47
1,2-Dichlorobenzene	ND	9.6	0.51
2-Methylphenol	ND	9.6	1.0
bis(2-Chloroisopropyl) ether	ND	9.6	0.41
4-Methylphenol	ND	9.6	0.99
N-Nitroso-di-n-propylamine	ND	9.6	0.48
Hexachloroethane	ND	9.6	0.45
Nitrobenzene	ND	9.6	0.46
Isophorone	ND	9.6	0.48
2-Nitrophenol	ND	19	1.1
2,4-Dimethylphenol	ND	9.6	0.93
Benzoic acid	ND	48	13
bis(2-Chloroethoxy)methane	ND	9.6	0.54
2,4-Dichlorophenol	ND	9.6	0.93
1,2,4-Trichlorobenzene	ND	9.6	0.48
Naphthalene	ND	9.6	0.52
4-Chloroaniline	ND	9.6	0.57
Hexachlorobutadiene	ND	9.6	0.37
4-Chloro-3-methylphenol	ND	9.6	0.96
2-Methylnaphthalene	ND	9.6	0.63
Hexachlorocyclopentadiene	ND	19	1.0
2,4,6-Trichlorophenol	ND	9.6	0.84
2,4,5-Trichlorophenol	ND	9.6	0.75
2-Chloronaphthalene	ND	9.6	0.43
2-Nitroaniline	ND	19	0.41
Dimethylphthalate	ND	9.6	0.43
Acenaphthylene	ND	9.6	0.37
2,6-Dinitrotoluene	ND	9.6	0.42
3-Nitroaniline	ND	19	0.49
Acenaphthene	ND	9.6	0.42
2,4-Dinitrophenol	ND	19	3.9
4-Nitrophenol	ND	19	0.57
Dibenzofuran	ND	9.6	0.61
2,4-Dinitrotoluene	ND	9.6	0.40
Diethylphthalate	ND	9.6	0.42
Fluorene	ND	9.6	0.46
4-Chlorophenyl-phenylether	ND	9.6	0.44
4-Nitroaniline	ND	19	0.57
4,6-Dinitro-2-methylphenol	ND	19	0.62
N-Nitrosodiphenylamine	ND	9.6	0.48
Azobenzene	ND	9.6	0.50
4-Bromophenyl-phenylether	ND	9.6	0.41
Hexachlorobenzene	ND	9.6	0.43
Pentachlorophenol	ND	19	0.51
Phenanthrene	ND	9.6	0.53
Anthracene	ND	9.6	0.45
Di-n-butylphthalate	ND	9.6	0.50

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

53.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.6-081605	Batch#:	105024
Lab ID:	181341-005	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.6	0.51
Pyrene	ND	9.6	0.53
Butylbenzylphthalate	ND	9.6	0.48
3,3'-Dichlorobenzidine	ND	19	0.52
Benzo(a)anthracene	ND	9.6	0.51
Chrysene	ND	9.6	0.44
bis(2-Ethylhexyl)phthalate	3.6 J	9.6	0.52
Di-n-octylphthalate	ND	9.6	0.40
Benzo(b)fluoranthene	ND	9.6	0.36
Benzo(k)fluoranthene	ND	9.6	0.49
Benzo(a)pyrene	ND	9.6	0.42
Indeno(1,2,3-cd)pyrene	ND	9.6	0.51
Dibenz(a,h)anthracene	ND	9.6	0.53
Benzo(g,h,i)perylene	ND	9.6	0.50

Surrogate	%REC	Limits
2-Fluorophenol	70	41-120
Phenol-d5	57	41-120
2,4,6-Tribromophenol	47	38-120
Nitrobenzene-d5	82	47-120
2-Fluorobiphenyl	82	44-120
Terphenyl-d14	77	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

53.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW5.2-081605	Batch#:	105024
Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.5	1.4
Phenol	ND	9.5	1.1
bis(2-Chloroethyl)ether	ND	9.5	0.62
2-Chlorophenol	ND	9.5	0.42
1,3-Dichlorobenzene	ND	9.5	0.31
1,4-Dichlorobenzene	ND	9.5	0.46
Benzyl alcohol	ND	9.5	0.56
1,2-Dichlorobenzene	ND	9.5	0.43
2-Methylphenol	ND	9.5	1.1
bis(2-Chloroisopropyl) ether	ND	9.5	0.79
4-Methylphenol	ND	9.5	0.41
N-Nitroso-di-n-propylamine	ND	9.5	1.4
Hexachloroethane	ND	9.5	0.40
Nitrobenzene	ND	9.5	0.56
Isophorone	ND	9.5	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.5	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.5	0.55
2,4-Dichlorophenol	ND	9.5	0.69
1,2,4-Trichlorobenzene	ND	9.5	0.31
Naphthalene	ND	9.5	0.26
4-Chloroaniline	ND	9.5	0.94
Hexachlorobutadiene	ND	9.5	0.35
4-Chloro-3-methylphenol	ND	9.5	0.71
2-Methylnaphthalene	ND	9.5	0.28
Hexachlorocyclopentadiene	ND	19	0.75
2,4,6-Trichlorophenol	ND	9.5	0.74
2,4,5-Trichlorophenol	ND	9.5	0.92
2-Chloronaphthalene	ND	9.5	0.36
2-Nitroaniline	ND	19	0.84
Dimethylphthalate	ND	9.5	0.24
Acenaphthylene	ND	9.5	0.43
2,6-Dinitrotoluene	ND	9.5	0.74
3-Nitroaniline	ND	19	0.69
Acenaphthene	ND	9.5	0.32
2,4-Dinitrophenol	ND	19	5.0
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.5	0.42
2,4-Dinitrotoluene	ND	9.5	0.23
Diethylphthalate	ND	9.5	0.34
Fluorene	ND	9.5	0.17
4-Chlorophenyl-phenylether	ND	9.5	0.28
4-Nitroaniline	ND	19	0.63
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.5	0.36
Azobenzene	ND	9.5	0.75
4-Bromophenyl-phenylether	ND	9.5	0.34
Hexachlorobenzene	ND	9.5	0.70
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.5	0.40
Anthracene	ND	9.5	0.28
Di-n-butylphthalate	ND	9.5	0.43

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

54.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW5.2-081605	Batch#:	105024
Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.5	0.22
Pyrene	ND	9.5	0.38
Butylbenzylphthalate	ND	9.5	0.36
3,3'-Dichlorobenzidine	ND	19	0.42
Benzo(a)anthracene	ND	9.5	0.58
Chrysene	ND	9.5	0.27
bis(2-Ethylhexyl)phthalate	8.3 J	9.5	0.51
Di-n-octylphthalate	ND	9.5	0.17
Benzo(b)fluoranthene	ND	9.5	0.15
Benzo(k)fluoranthene	ND	9.5	0.39
Benzo(a)pyrene	ND	9.5	0.14
Indeno(1,2,3-cd)pyrene	ND	9.5	0.40
Dibenz(a,h)anthracene	ND	9.5	0.23
Benzo(g,h,i)perylene	ND	9.5	0.54

Surrogate	%REC	Limits
2-Fluorophenol	66	41-120
Phenol-d5	68	41-120
2,4,6-Tribromophenol	74	38-120
Nitrobenzene-d5	79	47-120
2-Fluorobiphenyl	79	44-120
Terphenyl-d14	68	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

54.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MWDUP2-081605	Batch#:	105024
Lab ID:	181341-007	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	1.5
Phenol	ND	9.6	1.1
bis(2-Chloroethyl)ether	ND	9.6	0.62
2-Chlorophenol	ND	9.6	0.42
1,3-Dichlorobenzene	ND	9.6	0.32
1,4-Dichlorobenzene	ND	9.6	0.47
Benzyl alcohol	ND	9.6	0.56
1,2-Dichlorobenzene	ND	9.6	0.43
2-Methylphenol	ND	9.6	1.1
bis(2-Chloroisopropyl) ether	ND	9.6	0.80
4-Methylphenol	ND	9.6	0.41
N-Nitroso-di-n-propylamine	ND	9.6	1.4
Hexachloroethane	ND	9.6	0.40
Nitrobenzene	ND	9.6	0.57
Isophorone	ND	9.6	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.6	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.6	0.55
2,4-Dichlorophenol	ND	9.6	0.69
1,2,4-Trichlorobenzene	ND	9.6	0.31
Naphthalene	ND	9.6	0.26
4-Chloroaniline	ND	9.6	0.95
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.72
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.6	0.75
2,4,5-Trichlorophenol	ND	9.6	0.93
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.85
Dimethylphthalate	ND	9.6	0.24
Acenaphthylene	ND	9.6	0.43
2,6-Dinitrotoluene	ND	9.6	0.75
3-Nitroaniline	ND	19	0.70
Acenaphthene	ND	9.6	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.6	0.42
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.34
Fluorene	ND	9.6	0.17
4-Chlorophenyl-phenylether	ND	9.6	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.6	0.37
Azobenzene	ND	9.6	0.76
4-Bromophenyl-phenylether	ND	9.6	0.35
Hexachlorobenzene	ND	9.6	0.71
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.6	0.41
Anthracene	ND	9.6	0.29
Di-n-butylphthalate	ND	9.6	0.43

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

55.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MWDUP2-081605	Batch#:	105024
Lab ID:	181341-007	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.6	0.23
Pyrene	ND	9.6	0.38
Butylbenzylphthalate	ND	9.6	0.36
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.59
Chrysene	ND	9.6	0.27
bis(2-Ethylhexyl)phthalate	0.52 J	9.6	0.51
Di-n-octylphthalate	ND	9.6	0.17
Benzo(b)fluoranthene	ND	9.6	0.15
Benzo(k)fluoranthene	ND	9.6	0.40
Benzo(a)pyrene	ND	9.6	0.14
Indeno(1,2,3-cd)pyrene	ND	9.6	0.40
Dibenz(a,h)anthracene	ND	9.6	0.24
Benzo(g,h,i)perylene	ND	9.6	0.54

Surrogate	%REC	Limits
2-Fluorophenol	67	41-120
Phenol-d5	70	41-120
2,4,6-Tribromophenol	75	38-120
Nitrobenzene-d5	78	47-120
2-Fluorobiphenyl	82	44-120
Terphenyl-d14	70	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

55.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW5.3-081605	Batch#:	105024
Lab ID:	181341-008	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.5	1.4
Phenol	ND	9.5	1.1
bis(2-Chloroethyl)ether	ND	9.5	0.62
2-Chlorophenol	ND	9.5	0.42
1,3-Dichlorobenzene	ND	9.5	0.31
1,4-Dichlorobenzene	ND	9.5	0.46
Benzyl alcohol	ND	9.5	0.56
1,2-Dichlorobenzene	ND	9.5	0.43
2-Methylphenol	ND	9.5	1.1
bis(2-Chloroisopropyl) ether	ND	9.5	0.79
4-Methylphenol	ND	9.5	0.41
N-Nitroso-di-n-propylamine	ND	9.5	1.4
Hexachloroethane	ND	9.5	0.40
Nitrobenzene	ND	9.5	0.56
Isophorone	ND	9.5	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.5	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.5	0.55
2,4-Dichlorophenol	ND	9.5	0.69
1,2,4-Trichlorobenzene	ND	9.5	0.31
Naphthalene	0.90 J	9.5	0.26
4-Chloroaniline	ND	9.5	0.94
Hexachlorobutadiene	ND	9.5	0.35
4-Chloro-3-methylphenol	ND	9.5	0.71
2-Methylnaphthalene	ND	9.5	0.28
Hexachlorocyclopentadiene	ND	19	0.75
2,4,6-Trichlorophenol	ND	9.5	0.74
2,4,5-Trichlorophenol	ND	9.5	0.92
2-Chloronaphthalene	ND	9.5	0.36
2-Nitroaniline	ND	19	0.84
Dimethylphthalate	ND	9.5	0.24
Acenaphthylene	ND	9.5	0.43
2,6-Dinitrotoluene	ND	9.5	0.74
3-Nitroaniline	ND	19	0.69
Acenaphthene	ND	9.5	0.32
2,4-Dinitrophenol	ND	19	5.0
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.5	0.42
2,4-Dinitrotoluene	ND	9.5	0.23
Diethylphthalate	ND	9.5	0.34
Fluorene	ND	9.5	0.17
4-Chlorophenyl-phenylether	ND	9.5	0.28
4-Nitroaniline	ND	19	0.63
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.5	0.36
Azobenzene	ND	9.5	0.75
4-Bromophenyl-phenylether	ND	9.5	0.34
Hexachlorobenzene	ND	9.5	0.70
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.5	0.40
Anthracene	ND	9.5	0.28
Di-n-butylphthalate	ND	9.5	0.43

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

56.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW5.3-081605	Batch#:	105024
Lab ID:	181341-008	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.5	0.22
Pyrene	ND	9.5	0.38
Butylbenzylphthalate	ND	9.5	0.36
3,3'-Dichlorobenzidine	ND	19	0.42
Benzo(a)anthracene	ND	9.5	0.58
Chrysene	ND	9.5	0.27
bis(2-Ethylhexyl)phthalate	ND	9.5	0.51
Di-n-octylphthalate	ND	9.5	0.17
Benzo(b)fluoranthene	ND	9.5	0.15
Benzo(k)fluoranthene	ND	9.5	0.39
Benzo(a)pyrene	ND	9.5	0.14
Indeno(1,2,3-cd)pyrene	ND	9.5	0.40
Dibenz(a,h)anthracene	ND	9.5	0.23
Benzo(g,h,i)perylene	ND	9.5	0.54

Surrogate	%REC	Limits
2-Fluorophenol	64	41-120
Phenol-d5	66	41-120
2,4,6-Tribromophenol	78	38-120
Nitrobenzene-d5	77	47-120
2-Fluorobiphenyl	80	44-120
Terphenyl-d14	46	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

56.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW5.4-081605	Batch#:	105024
Lab ID:	181341-009	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.4	1.4
Phenol	ND	9.4	1.1
bis(2-Chloroethyl)ether	ND	9.4	0.61
2-Chlorophenol	ND	9.4	0.41
1,3-Dichlorobenzene	ND	9.4	0.31
1,4-Dichlorobenzene	ND	9.4	0.46
Benzyl alcohol	ND	9.4	0.55
1,2-Dichlorobenzene	ND	9.4	0.43
2-Methylphenol	ND	9.4	1.1
bis(2-Chloroisopropyl) ether	ND	9.4	0.79
4-Methylphenol	ND	9.4	0.40
N-Nitroso-di-n-propylamine	ND	9.4	1.3
Hexachloroethane	ND	9.4	0.39
Nitrobenzene	ND	9.4	0.56
Isophorone	ND	9.4	0.36
2-Nitrophenol	ND	19	1.5
2,4-Dimethylphenol	ND	9.4	1.1
Benzoic acid	ND	47	20
bis(2-Chloroethoxy)methane	ND	9.4	0.54
2,4-Dichlorophenol	ND	9.4	0.68
1,2,4-Trichlorobenzene	ND	9.4	0.30
Naphthalene	ND	9.4	0.25
4-Chloroaniline	ND	9.4	0.93
Hexachlorobutadiene	ND	9.4	0.35
4-Chloro-3-methylphenol	ND	9.4	0.70
2-Methylnaphthalene	ND	9.4	0.27
Hexachlorocyclopentadiene	ND	19	0.74
2,4,6-Trichlorophenol	ND	9.4	0.73
2,4,5-Trichlorophenol	ND	9.4	0.91
2-Chloronaphthalene	ND	9.4	0.36
2-Nitroaniline	ND	19	0.83
Dimethylphthalate	ND	9.4	0.23
Acenaphthylene	ND	9.4	0.42
2,6-Dinitrotoluene	ND	9.4	0.73
3-Nitroaniline	ND	19	0.69
Acenaphthene	ND	9.4	0.31
2,4-Dinitrophenol	ND	19	5.0
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.4	0.42
2,4-Dinitrotoluene	ND	9.4	0.22
Diethylphthalate	ND	9.4	0.34
Fluorene	ND	9.4	0.17
4-Chlorophenyl-phenylether	ND	9.4	0.28
4-Nitroaniline	ND	19	0.63
4,6-Dinitro-2-methylphenol	ND	19	0.67
N-Nitrosodiphenylamine	ND	9.4	0.36
Azobenzene	ND	9.4	0.74
4-Bromophenyl-phenylether	ND	9.4	0.34
Hexachlorobenzene	ND	9.4	0.69
Pentachlorophenol	ND	19	0.71
Phenanthrene	ND	9.4	0.40
Anthracene	ND	9.4	0.28
Di-n-butylphthalate	ND	9.4	0.43
Fluoranthene	ND	9.4	0.22

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

57.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW5.4-081605	Batch#:	105024
Lab ID:	181341-009	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Pyrene	ND	9.4	0.38
Butylbenzylphthalate	ND	9.4	0.36
3,3'-Dichlorobenzidine	ND	19	0.42
Benzo(a)anthracene	ND	9.4	0.58
Chrysene	ND	9.4	0.27
bis(2-Ethylhexyl)phthalate	ND	9.4	0.51
Di-n-octylphthalate	ND	9.4	0.17
Benzo(b)fluoranthene	ND	9.4	0.15
Benzo(k)fluoranthene	ND	9.4	0.39
Benzo(a)pyrene	ND	9.4	0.14
Indeno(1,2,3-cd)pyrene	ND	9.4	0.39
Dibenz(a,h)anthracene	ND	9.4	0.23
Benzo(g,h,i)perylene	ND	9.4	0.53

Surrogate	%REC	Limits
2-Fluorophenol	59	41-120
Phenol-d5	62	41-120
2,4,6-Tribromophenol	71	38-120
Nitrobenzene-d5	71	47-120
2-Fluorobiphenyl	74	44-120
Terphenyl-d14	63	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

57.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.7-081705	Batch#:	105024
Lab ID:	181341-010	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	1.5
Phenol	ND	9.6	1.1
bis(2-Chloroethyl)ether	ND	9.6	0.62
2-Chlorophenol	ND	9.6	0.42
1,3-Dichlorobenzene	ND	9.6	0.32
1,4-Dichlorobenzene	ND	9.6	0.47
Benzyl alcohol	ND	9.6	0.56
1,2-Dichlorobenzene	ND	9.6	0.43
2-Methylphenol	ND	9.6	1.1
bis(2-Chloroisopropyl) ether	ND	9.6	0.80
4-Methylphenol	ND	9.6	0.41
N-Nitroso-di-n-propylamine	ND	9.6	1.4
Hexachloroethane	ND	9.6	0.40
Nitrobenzene	ND	9.6	0.57
Isophorone	ND	9.6	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.6	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.6	0.55
2,4-Dichlorophenol	ND	9.6	0.69
1,2,4-Trichlorobenzene	ND	9.6	0.31
Naphthalene	ND	9.6	0.26
4-Chloroaniline	ND	9.6	0.95
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.72
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.6	0.75
2,4,5-Trichlorophenol	ND	9.6	0.93
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.85
Dimethylphthalate	ND	9.6	0.24
Acenaphthylene	ND	9.6	0.43
2,6-Dinitrotoluene	ND	9.6	0.75
3-Nitroaniline	ND	19	0.70
Acenaphthene	ND	9.6	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.6	0.42
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.34
Fluorene	ND	9.6	0.17
4-Chlorophenyl-phenylether	ND	9.6	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.6	0.37
Azobenzene	ND	9.6	0.76
4-Bromophenyl-phenylether	ND	9.6	0.35
Hexachlorobenzene	ND	9.6	0.71
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.6	0.41
Anthracene	ND	9.6	0.29
Di-n-butylphthalate	ND	9.6	0.43
Fluoranthene	ND	9.6	0.23

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

58.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.7-081705	Batch#:	105024
Lab ID:	181341-010	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Pyrene	ND	9.6	0.38
Butylbenzylphthalate	ND	9.6	0.36
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.59
Chrysene	ND	9.6	0.27
bis(2-Ethylhexyl)phthalate	11	9.6	0.51
Di-n-octylphthalate	ND	9.6	0.17
Benzo(b)fluoranthene	ND	9.6	0.15
Benzo(k)fluoranthene	ND	9.6	0.40
Benzo(a)pyrene	ND	9.6	0.14
Indeno(1,2,3-cd)pyrene	ND	9.6	0.40
Dibenz(a,h)anthracene	ND	9.6	0.24
Benzo(g,h,i)perylene	ND	9.6	0.54

Surrogate	%REC	Limits
2-Fluorophenol	66	41-120
Phenol-d5	69	41-120
2,4,6-Tribromophenol	82	38-120
Nitrobenzene-d5	81	47-120
2-Fluorobiphenyl	87	44-120
Terphenyl-d14	74	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

58.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.8-081705	Batch#:	105024
Lab ID:	181341-011	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.5	1.4
Phenol	ND	9.5	1.1
bis(2-Chloroethyl)ether	ND	9.5	0.62
2-Chlorophenol	ND	9.5	0.42
1,3-Dichlorobenzene	ND	9.5	0.31
1,4-Dichlorobenzene	ND	9.5	0.46
Benzyl alcohol	ND	9.5	0.56
1,2-Dichlorobenzene	ND	9.5	0.43
2-Methylphenol	ND	9.5	1.1
bis(2-Chloroisopropyl) ether	ND	9.5	0.79
4-Methylphenol	ND	9.5	0.41
N-Nitroso-di-n-propylamine	ND	9.5	1.4
Hexachloroethane	ND	9.5	0.40
Nitrobenzene	ND	9.5	0.56
Isophorone	ND	9.5	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.5	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.5	0.55
2,4-Dichlorophenol	ND	9.5	0.69
1,2,4-Trichlorobenzene	ND	9.5	0.31
Naphthalene	ND	9.5	0.26
4-Chloroaniline	ND	9.5	0.94
Hexachlorobutadiene	ND	9.5	0.35
4-Chloro-3-methylphenol	ND	9.5	0.71
2-Methylnaphthalene	ND	9.5	0.28
Hexachlorocyclopentadiene	ND	19	0.75
2,4,6-Trichlorophenol	ND	9.5	0.74
2,4,5-Trichlorophenol	ND	9.5	0.92
2-Chloronaphthalene	ND	9.5	0.36
2-Nitroaniline	ND	19	0.84
Dimethylphthalate	ND	9.5	0.24
Acenaphthylene	ND	9.5	0.43
2,6-Dinitrotoluene	ND	9.5	0.74
3-Nitroaniline	ND	19	0.69
Acenaphthene	ND	9.5	0.32
2,4-Dinitrophenol	ND	19	5.0
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.5	0.42
2,4-Dinitrotoluene	ND	9.5	0.23
Diethylphthalate	ND	9.5	0.34
Fluorene	ND	9.5	0.17
4-Chlorophenyl-phenylether	ND	9.5	0.28
4-Nitroaniline	ND	19	0.63
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.5	0.36
Azobenzene	ND	9.5	0.75
4-Bromophenyl-phenylether	ND	9.5	0.34
Hexachlorobenzene	ND	9.5	0.70
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.5	0.40
Anthracene	ND	9.5	0.28
Di-n-butylphthalate	ND	9.5	0.43
Fluoranthene	ND	9.5	0.22

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

59.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.8-081705	Batch#:	105024
Lab ID:	181341-011	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Pyrene	ND	9.5	0.38
Butylbenzylphthalate	ND	9.5	0.36
3,3'-Dichlorobenzidine	ND	19	0.42
Benzo(a)anthracene	ND	9.5	0.58
Chrysene	ND	9.5	0.27
bis(2-Ethylhexyl)phthalate	ND	9.5	0.51
Di-n-octylphthalate	ND	9.5	0.17
Benzo(b)fluoranthene	ND	9.5	0.15
Benzo(k)fluoranthene	ND	9.5	0.39
Benzo(a)pyrene	ND	9.5	0.14
Indeno(1,2,3-cd)pyrene	ND	9.5	0.40
Dibenz(a,h)anthracene	ND	9.5	0.23
Benzo(g,h,i)perylene	ND	9.5	0.54

Surrogate	%REC	Limits
2-Fluorophenol	58	41-120
Phenol-d5	60	41-120
2,4,6-Tribromophenol	72	38-120
Nitrobenzene-d5	70	47-120
2-Fluorobiphenyl	70	44-120
Terphenyl-d14	56	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

59.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.9-081705	Batch#:	105024
Lab ID:	181341-012	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.5	1.4
Phenol	ND	9.5	1.1
bis(2-Chloroethyl)ether	ND	9.5	0.62
2-Chlorophenol	ND	9.5	0.42
1,3-Dichlorobenzene	ND	9.5	0.31
1,4-Dichlorobenzene	ND	9.5	0.46
Benzyl alcohol	ND	9.5	0.56
1,2-Dichlorobenzene	ND	9.5	0.43
2-Methylphenol	ND	9.5	1.1
bis(2-Chloroisopropyl) ether	ND	9.5	0.79
4-Methylphenol	ND	9.5	0.41
N-Nitroso-di-n-propylamine	ND	9.5	1.4
Hexachloroethane	ND	9.5	0.40
Nitrobenzene	ND	9.5	0.56
Isophorone	ND	9.5	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.5	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.5	0.55
2,4-Dichlorophenol	ND	9.5	0.69
1,2,4-Trichlorobenzene	ND	9.5	0.31
Naphthalene	ND	9.5	0.26
4-Chloroaniline	ND	9.5	0.94
Hexachlorobutadiene	ND	9.5	0.35
4-Chloro-3-methylphenol	ND	9.5	0.71
2-Methylnaphthalene	ND	9.5	0.28
Hexachlorocyclopentadiene	ND	19	0.75
2,4,6-Trichlorophenol	ND	9.5	0.74
2,4,5-Trichlorophenol	ND	9.5	0.92
2-Chloronaphthalene	ND	9.5	0.36
2-Nitroaniline	ND	19	0.84
Dimethylphthalate	ND	9.5	0.24
Acenaphthylene	ND	9.5	0.43
2,6-Dinitrotoluene	ND	9.5	0.74
3-Nitroaniline	ND	19	0.69
Acenaphthene	ND	9.5	0.32
2,4-Dinitrophenol	ND	19	5.0
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.5	0.42
2,4-Dinitrotoluene	ND	9.5	0.23
Diethylphthalate	ND	9.5	0.34
Fluorene	ND	9.5	0.17
4-Chlorophenyl-phenylether	ND	9.5	0.28
4-Nitroaniline	ND	19	0.63
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.5	0.36
Azobenzene	ND	9.5	0.75
4-Bromophenyl-phenylether	ND	9.5	0.34
Hexachlorobenzene	ND	9.5	0.70
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.5	0.40
Anthracene	ND	9.5	0.28
Di-n-butylphthalate	ND	9.5	0.43
Fluoranthene	ND	9.5	0.22

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

60.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW3.9-081705	Batch#:	105024
Lab ID:	181341-012	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
Pyrene	ND	9.5	0.38
Butylbenzylphthalate	ND	9.5	0.36
3,3'-Dichlorobenzidine	ND	19	0.42
Benzo(a)anthracene	ND	9.5	0.58
Chrysene	ND	9.5	0.27
bis(2-Ethylhexyl)phthalate	ND	9.5	0.51
Di-n-octylphthalate	ND	9.5	0.17
Benzo(b)fluoranthene	ND	9.5	0.15
Benzo(k)fluoranthene	ND	9.5	0.39
Benzo(a)pyrene	ND	9.5	0.14
Indeno(1,2,3-cd)pyrene	ND	9.5	0.40
Dibenz(a,h)anthracene	ND	9.5	0.23
Benzo(g,h,i)perylene	ND	9.5	0.54

Surrogate	%REC	Limits
2-Fluorophenol	69	41-120
Phenol-d5	72	41-120
2,4,6-Tribromophenol	82	38-120
Nitrobenzene-d5	81	47-120
2-Fluorobiphenyl	88	44-120
Terphenyl-d14	77	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

60.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW5.5-081705	Batch#:	105024
Lab ID:	181341-013	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	1.5
Phenol	ND	9.6	1.1
bis(2-Chloroethyl)ether	ND	9.6	0.62
2-Chlorophenol	ND	9.6	0.42
1,3-Dichlorobenzene	ND	9.6	0.32
1,4-Dichlorobenzene	ND	9.6	0.47
Benzyl alcohol	ND	9.6	0.56
1,2-Dichlorobenzene	ND	9.6	0.43
2-Methylphenol	ND	9.6	1.1
bis(2-Chloroisopropyl) ether	ND	9.6	0.80
4-Methylphenol	ND	9.6	0.41
N-Nitroso-di-n-propylamine	ND	9.6	1.4
Hexachloroethane	ND	9.6	0.40
Nitrobenzene	ND	9.6	0.57
Isophorone	ND	9.6	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.6	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.6	0.55
2,4-Dichlorophenol	ND	9.6	0.69
1,2,4-Trichlorobenzene	ND	9.6	0.31
Naphthalene	ND	9.6	0.26
4-Chloroaniline	ND	9.6	0.95
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.72
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.6	0.75
2,4,5-Trichlorophenol	ND	9.6	0.93
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.85
Dimethylphthalate	ND	9.6	0.24
Acenaphthylene	ND	9.6	0.43
2,6-Dinitrotoluene	ND	9.6	0.75
3-Nitroaniline	ND	19	0.70
Acenaphthene	ND	9.6	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.6	0.42
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.34
Fluorene	ND	9.6	0.17
4-Chlorophenyl-phenylether	ND	9.6	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.6	0.37
Azobenzene	ND	9.6	0.76
4-Bromophenyl-phenylether	ND	9.6	0.35
Hexachlorobenzene	ND	9.6	0.71
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.6	0.41
Anthracene	ND	9.6	0.29
Di-n-butylphthalate	ND	9.6	0.43

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

61.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW5.5-081705	Batch#:	105024
Lab ID:	181341-013	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.6	0.23
Pyrene	ND	9.6	0.38
Butylbenzylphthalate	ND	9.6	0.36
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.59
Chrysene	ND	9.6	0.27
bis(2-Ethylhexyl)phthalate	1.3 J	9.6	0.51
Di-n-octylphthalate	ND	9.6	0.17
Benzo(b)fluoranthene	ND	9.6	0.15
Benzo(k)fluoranthene	ND	9.6	0.40
Benzo(a)pyrene	ND	9.6	0.14
Indeno(1,2,3-cd)pyrene	ND	9.6	0.40
Dibenz(a,h)anthracene	ND	9.6	0.24
Benzo(g,h,i)perylene	ND	9.6	0.54

Surrogate	%REC	Limits
2-Fluorophenol	71	41-120
Phenol-d5	73	41-120
2,4,6-Tribromophenol	87	38-120
Nitrobenzene-d5	82	47-120
2-Fluorobiphenyl	86	44-120
Terphenyl-d14	63	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

61.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW5.6-081705	Batch#:	105024
Lab ID:	181341-014	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	1.5
Phenol	ND	9.6	1.1
bis(2-Chloroethyl)ether	ND	9.6	0.62
2-Chlorophenol	ND	9.6	0.42
1,3-Dichlorobenzene	ND	9.6	0.32
1,4-Dichlorobenzene	ND	9.6	0.47
Benzyl alcohol	ND	9.6	0.56
1,2-Dichlorobenzene	ND	9.6	0.43
2-Methylphenol	ND	9.6	1.1
bis(2-Chloroisopropyl) ether	ND	9.6	0.80
4-Methylphenol	ND	9.6	0.41
N-Nitroso-di-n-propylamine	ND	9.6	1.4
Hexachloroethane	ND	9.6	0.40
Nitrobenzene	ND	9.6	0.57
Isophorone	ND	9.6	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.6	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.6	0.55
2,4-Dichlorophenol	ND	9.6	0.69
1,2,4-Trichlorobenzene	ND	9.6	0.31
Naphthalene	ND	9.6	0.26
4-Chloroaniline	ND	9.6	0.95
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.72
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.6	0.75
2,4,5-Trichlorophenol	ND	9.6	0.93
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.85
Dimethylphthalate	ND	9.6	0.24
Acenaphthylene	ND	9.6	0.43
2,6-Dinitrotoluene	ND	9.6	0.75
3-Nitroaniline	ND	19	0.70
Acenaphthene	ND	9.6	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.6	0.42
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.34
Fluorene	ND	9.6	0.17
4-Chlorophenyl-phenylether	ND	9.6	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.6	0.37
Azobenzene	ND	9.6	0.76
4-Bromophenyl-phenylether	ND	9.6	0.35
Hexachlorobenzene	ND	9.6	0.71
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.6	0.41
Anthracene	ND	9.6	0.29
Di-n-butylphthalate	ND	9.6	0.43

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

62.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW5.6-081705	Batch#:	105024
Lab ID:	181341-014	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.6	0.23
Pyrene	ND	9.6	0.38
Butylbenzylphthalate	ND	9.6	0.36
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.59
Chrysene	ND	9.6	0.27
bis(2-Ethylhexyl)phthalate	1.6 J	9.6	0.51
Di-n-octylphthalate	ND	9.6	0.17
Benzo(b)fluoranthene	ND	9.6	0.15
Benzo(k)fluoranthene	ND	9.6	0.40
Benzo(a)pyrene	ND	9.6	0.14
Indeno(1,2,3-cd)pyrene	ND	9.6	0.40
Dibenz(a,h)anthracene	ND	9.6	0.24
Benzo(g,h,i)perylene	ND	9.6	0.54

Surrogate	%REC	Limits
2-Fluorophenol	69	41-120
Phenol-d5	69	41-120
2,4,6-Tribromophenol	77	38-120
Nitrobenzene-d5	81	47-120
2-Fluorobiphenyl	85	44-120
Terphenyl-d14	60	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

62.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW5.7-081705	Batch#:	105054
Lab ID:	181341-015	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	0.92
Phenol	ND	9.6	0.40
bis(2-Chloroethyl)ether	ND	9.6	0.46
2-Chlorophenol	ND	9.6	0.64
1,3-Dichlorobenzene	ND	9.6	0.66
1,4-Dichlorobenzene	ND	9.6	0.54
Benzyl alcohol	ND	9.6	0.52
1,2-Dichlorobenzene	ND	9.6	0.36
2-Methylphenol	ND	9.6	0.99
bis(2-Chloroisopropyl) ether	ND	9.6	0.52
4-Methylphenol	ND	9.6	0.56
N-Nitroso-di-n-propylamine	ND	9.6	0.62
Hexachloroethane	ND	9.6	0.75
Nitrobenzene	ND	9.6	0.26
Isophorone	ND	9.6	0.47
2-Nitrophenol	ND	19	0.88
2,4-Dimethylphenol	ND	9.6	0.99
Benzoic acid	0.93 J	48	0.13
bis(2-Chloroethoxy)methane	ND	9.6	0.51
2,4-Dichlorophenol	ND	9.6	0.40
1,2,4-Trichlorobenzene	ND	9.6	0.57
Naphthalene	ND	9.6	0.30
4-Chloroaniline	ND	9.6	2.3
Hexachlorobutadiene	ND	9.6	0.74
4-Chloro-3-methylphenol	ND	9.6	0.58
2-Methylnaphthalene	ND	9.6	0.64
Hexachlorocyclopentadiene	ND	19	0.31
2,4,6-Trichlorophenol	ND	9.6	1.0
2,4,5-Trichlorophenol	ND	9.6	1.1
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.75
Dimethylphthalate	ND	9.6	0.41
Acenaphthylene	ND	9.6	0.33
2,6-Dinitrotoluene	ND	9.6	0.43
3-Nitroaniline	ND	19	0.38
Acenaphthene	ND	9.6	0.33
2,4-Dinitrophenol	ND	19	0.43
4-Nitrophenol	ND	19	1.8
Dibenzofuran	ND	9.6	1.1
2,4-Dinitrotoluene	ND	9.6	0.29
Diethylphthalate	ND	9.6	0.32
Fluorene	ND	9.6	0.93
4-Chlorophenyl-phenylether	ND	9.6	0.76
4-Nitroaniline	ND	19	0.97
4,6-Dinitro-2-methylphenol	ND	19	1.1
N-Nitrosodiphenylamine	ND	9.6	0.29
Azobenzene	ND	9.6	0.58
4-Bromophenyl-phenylether	ND	9.6	0.47
Hexachlorobenzene	ND	9.6	0.55
Pentachlorophenol	ND	19	0.45
Phenanthrene	ND	9.6	0.56
Anthracene	ND	9.6	0.26
Di-n-butylphthalate	ND	9.6	0.37

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

63.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW5.7-081705	Batch#:	105054
Lab ID:	181341-015	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.6	0.45
Pyrene	ND	9.6	0.53
Butylbenzylphthalate	ND	9.6	0.49
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.61
Chrysene	ND	9.6	0.66
bis(2-Ethylhexyl)phthalate	1.3 J	9.6	1.1
Di-n-octylphthalate	ND	9.6	0.13
Benzo(b)fluoranthene	ND	9.6	0.43
Benzo(k)fluoranthene	ND	9.6	0.50
Benzo(a)pyrene	ND	9.6	0.50
Indeno(1,2,3-cd)pyrene	ND	9.6	0.31
Dibenz(a,h)anthracene	ND	9.6	0.28
Benzo(g,h,i)perylene	ND	9.6	0.27

Surrogate	%REC	Limits
2-Fluorophenol	81	41-120
Phenol-d5	73	41-120
2,4,6-Tribromophenol	101	38-120
Nitrobenzene-d5	87	47-120
2-Fluorobiphenyl	103	44-120
Terphenyl-d14	67	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

63.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305819	Batch#:	105024
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	10	1.5
Phenol	ND	10	1.1
bis(2-Chloroethyl)ether	ND	10	0.65
2-Chlorophenol	ND	10	0.44
1,3-Dichlorobenzene	ND	10	0.33
1,4-Dichlorobenzene	ND	10	0.49
Benzyl alcohol	ND	10	0.59
1,2-Dichlorobenzene	ND	10	0.45
2-Methylphenol	ND	10	1.1
bis(2-Chloroisopropyl) ether	ND	10	0.83
4-Methylphenol	ND	10	0.43
N-Nitroso-di-n-propylamine	ND	10	1.4
Hexachloroethane	ND	10	0.42
Nitrobenzene	ND	10	0.59
Isophorone	ND	10	0.38
2-Nitrophenol	ND	20	1.6
2,4-Dimethylphenol	ND	10	1.2
Benzoic acid	ND	50	21
bis(2-Chloroethoxy)methane	ND	10	0.57
2,4-Dichlorophenol	ND	10	0.72
1,2,4-Trichlorobenzene	ND	10	0.32
Naphthalene	ND	10	0.27
4-Chloroaniline	ND	10	0.99
Hexachlorobutadiene	ND	10	0.37
4-Chloro-3-methylphenol	ND	10	0.75
2-Methylnaphthalene	ND	10	0.29
Hexachlorocyclopentadiene	ND	20	0.79
2,4,6-Trichlorophenol	ND	10	0.78
2,4,5-Trichlorophenol	ND	10	0.97
2-Chloronaphthalene	ND	10	0.38
2-Nitroaniline	ND	20	0.88
Dimethylphthalate	ND	10	0.25
Acenaphthylene	ND	10	0.45
2,6-Dinitrotoluene	ND	10	0.78
3-Nitroaniline	ND	20	0.73
Acenaphthene	ND	10	0.33
2,4-Dinitrophenol	ND	20	5.3
4-Nitrophenol	ND	20	1.3
Dibenzofuran	ND	10	0.44
2,4-Dinitrotoluene	ND	10	0.24
Diethylphthalate	ND	10	0.36
Fluorene	ND	10	0.18
4-Chlorophenyl-phenylether	ND	10	0.30
4-Nitroaniline	ND	20	0.66
4,6-Dinitro-2-methylphenol	ND	20	0.71
N-Nitrosodiphenylamine	ND	10	0.38
Azobenzene	ND	10	0.79
4-Bromophenyl-phenylether	ND	10	0.36
Hexachlorobenzene	ND	10	0.73
Pentachlorophenol	ND	20	0.75
Phenanthrene	ND	10	0.42
Anthracene	ND	10	0.30
Di-n-butylphthalate	ND	10	0.45
Fluoranthene	ND	10	0.24

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

64.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305819	Batch#:	105024
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Pyrene	ND	10	0.40
Butylbenzylphthalate	ND	10	0.38
3,3'-Dichlorobenzidine	ND	20	0.44
Benzo(a)anthracene	ND	10	0.61
Chrysene	ND	10	0.28
bis(2-Ethylhexyl)phthalate	ND	10	0.54
Di-n-octylphthalate	ND	10	0.18
Benzo(b)fluoranthene	ND	10	0.16
Benzo(k)fluoranthene	ND	10	0.41
Benzo(a)pyrene	ND	10	0.15
Indeno(1,2,3-cd)pyrene	ND	10	0.42
Dibenz(a,h)anthracene	ND	10	0.25
Benzo(g,h,i)perylene	ND	10	0.56

Surrogate	%REC	Limits
2-Fluorophenol	67	41-120
Phenol-d5	69	41-120
2,4,6-Tribromophenol	74	38-120
Nitrobenzene-d5	83	47-120
2-Fluorobiphenyl	86	44-120
Terphenyl-d14	72	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

64.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305820	Batch#:	105024
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/23/05

Analyte	Spiked	Result	%REC	Limits
Phenol	100.0	69.65	70	43-120
2-Chlorophenol	100.0	72.90	73	51-120
1,4-Dichlorobenzene	50.00	25.40	51	36-120
N-Nitroso-di-n-propylamine	50.00	35.52	71	45-120
1,2,4-Trichlorobenzene	50.00	33.29	67	38-120
4-Chloro-3-methylphenol	100.0	76.34	76	48-120
Acenaphthene	50.00	37.79	76	43-120
4-Nitrophenol	100.0	86.42	86	43-120
2,4-Dinitrotoluene	50.00	37.83	76	46-120
Pentachlorophenol	100.0	88.73	89	35-120
Pyrene	50.00	36.25	72	38-120

Surrogate	%REC	Limits
2-Fluorophenol	72	41-120
Phenol-d5	72	41-120
2,4,6-Tribromophenol	83	38-120
Nitrobenzene-d5	80	47-120
2-Fluorobiphenyl	82	44-120
Terphenyl-d14	69	16-120

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW5.2-081605	Batch#:	105024
MSS Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Type: MS Lab ID: QC305821

Analyte	MSS Result	Spiked	Result	%REC	Limits
Phenol	<1.064	96.15	71.97	75	44-120
2-Chlorophenol	<0.4176	96.15	76.92	80	51-120
1,4-Dichlorobenzene	<0.4649	48.08	36.21	75	39-120
N-Nitroso-di-n-propylamine	<1.361	48.08	37.58	78	44-120
1,2,4-Trichlorobenzene	<0.3059	48.08	39.75	83	41-120
4-Chloro-3-methylphenol	<0.7102	96.15	78.49	82	50-120
Acenaphthene	<0.3153	48.08	38.12	79	47-120
4-Nitrophenol	<1.201	96.15	85.05	88	38-120
2,4-Dinitrotoluene	<0.2262	48.08	38.96	81	33-120
Pentachlorophenol	<0.7160	96.15	91.67	95	25-148
Pyrene	<0.3807	48.08	37.50	78	46-120

Surrogate	%REC	Limits
2-Fluorophenol	81	41-120
Phenol-d5	78	41-120
2,4,6-Tribromophenol	90	38-120
Nitrobenzene-d5	87	47-120
2-Fluorobiphenyl	87	44-120
Terphenyl-d14	78	16-120

Type: MSD Lab ID: QC305822

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Phenol	96.15	67.74	70	44-120	6	28
2-Chlorophenol	96.15	71.95	75	51-120	7	24
1,4-Dichlorobenzene	48.08	31.20	65	39-120	15	29
N-Nitroso-di-n-propylamine	48.08	34.91	73	44-120	7	25
1,2,4-Trichlorobenzene	48.08	36.55	76	41-120	8	24
4-Chloro-3-methylphenol	96.15	73.83	77	50-120	6	23
Acenaphthene	48.08	36.19	75	47-120	5	23
4-Nitrophenol	96.15	86.11	90	38-120	1	27
2,4-Dinitrotoluene	48.08	36.37	76	33-120	7	22
Pentachlorophenol	96.15	84.79	88	25-148	8	25
Pyrene	48.08	35.24	73	46-120	6	23

Surrogate	%REC	Limits
2-Fluorophenol	73	41-120
Phenol-d5	72	41-120
2,4,6-Tribromophenol	84	38-120
Nitrobenzene-d5	81	47-120
2-Fluorobiphenyl	82	44-120
Terphenyl-d14	72	16-120

RPD= Relative Percent Difference

67.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305949	Batch#:	105054
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	10	0.96
Phenol	ND	10	0.42
bis(2-Chloroethyl)ether	ND	10	0.48
2-Chlorophenol	ND	10	0.66
1,3-Dichlorobenzene	ND	10	0.69
1,4-Dichlorobenzene	ND	10	0.56
Benzyl alcohol	ND	10	0.54
1,2-Dichlorobenzene	ND	10	0.37
2-Methylphenol	ND	10	1.0
bis(2-Chloroisopropyl) ether	ND	10	0.54
4-Methylphenol	ND	10	0.59
N-Nitroso-di-n-propylamine	ND	10	0.64
Hexachloroethane	ND	10	0.78
Nitrobenzene	ND	10	0.27
Isophorone	ND	10	0.49
2-Nitrophenol	ND	20	0.91
2,4-Dimethylphenol	ND	10	1.0
Benzoic acid	ND	50	0.13
bis(2-Chloroethoxy)methane	ND	10	0.53
2,4-Dichlorophenol	ND	10	0.42
1,2,4-Trichlorobenzene	ND	10	0.60
Naphthalene	ND	10	0.31
4-Chloroaniline	ND	10	2.3
Hexachlorobutadiene	ND	10	0.77
4-Chloro-3-methylphenol	ND	10	0.61
2-Methylnaphthalene	ND	10	0.67
Hexachlorocyclopentadiene	ND	20	0.32
2,4,6-Trichlorophenol	ND	10	1.1
2,4,5-Trichlorophenol	ND	10	1.1
2-Chloronaphthalene	ND	10	0.38
2-Nitroaniline	ND	20	0.78
Dimethylphthalate	ND	10	0.42
Acenaphthylene	ND	10	0.35
2,6-Dinitrotoluene	ND	10	0.45
3-Nitroaniline	ND	20	0.40
Acenaphthene	ND	10	0.34
2,4-Dinitrophenol	ND	20	0.44
4-Nitrophenol	ND	20	1.8
Dibenzofuran	ND	10	1.2
2,4-Dinitrotoluene	ND	10	0.31
Diethylphthalate	ND	10	0.33
Fluorene	ND	10	0.96
4-Chlorophenyl-phenylether	ND	10	0.79
4-Nitroaniline	ND	20	1.0
4,6-Dinitro-2-methylphenol	ND	20	1.1
N-Nitrosodiphenylamine	ND	10	0.30
Azobenzene	ND	10	0.60
4-Bromophenyl-phenylether	ND	10	0.49
Hexachlorobenzene	ND	10	0.57
Pentachlorophenol	ND	20	0.46
Phenanthrene	ND	10	0.58
Anthracene	ND	10	0.27
Di-n-butylphthalate	ND	10	0.38
Fluoranthene	ND	10	0.47

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

65.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305949	Batch#:	105054
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Pyrene	ND	10	0.55
Butylbenzylphthalate	ND	10	0.51
3,3'-Dichlorobenzidine	ND	20	0.45
Benzo(a)anthracene	ND	10	0.63
Chrysene	ND	10	0.69
bis(2-Ethylhexyl)phthalate	ND	10	1.2
Di-n-octylphthalate	ND	10	0.14
Benzo(b)fluoranthene	ND	10	0.45
Benzo(k)fluoranthene	ND	10	0.52
Benzo(a)pyrene	ND	10	0.52
Indeno(1,2,3-cd)pyrene	ND	10	0.32
Dibenz(a,h)anthracene	ND	10	0.29
Benzo(g,h,i)perylene	ND	10	0.28

Surrogate	%REC	Limits
2-Fluorophenol	78	41-120
Phenol-d5	69	41-120
2,4,6-Tribromophenol	65	38-120
Nitrobenzene-d5	81	47-120
2-Fluorobiphenyl	75	44-120
Terphenyl-d14	67	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

65.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Matrix:	Water	Batch#:	105054
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Type: BS Lab ID: QC305950

Analyte	Spiked	Result	%REC	Limits
Phenol	100.0	76.86	77	43-120
2-Chlorophenol	100.0	81.97	82	51-120
1,4-Dichlorobenzene	50.00	24.45	49	36-120
N-Nitroso-di-n-propylamine	50.00	40.91	82	45-120
1,2,4-Trichlorobenzene	50.00	32.85	66	38-120
4-Chloro-3-methylphenol	100.0	84.65	85	48-120
Acenaphthene	50.00	41.79	84	43-120
4-Nitrophenol	100.0	105.2	105	43-120
2,4-Dinitrotoluene	50.00	43.44	87	46-120
Pentachlorophenol	100.0	101.5	101	35-120
Pyrene	50.00	39.53	79	38-120

Surrogate	%REC	Limits
2-Fluorophenol	80	41-120
Phenol-d5	78	41-120
2,4,6-Tribromophenol	94	38-120
Nitrobenzene-d5	87	47-120
2-Fluorobiphenyl	92	44-120
Terphenyl-d14	77	16-120

Type: BSD Lab ID: QC305951

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Phenol	100.0	76.78	77	43-120	0	25
2-Chlorophenol	100.0	82.24	82	51-120	0	24
1,4-Dichlorobenzene	50.00	24.12	48	36-120	1	35
N-Nitroso-di-n-propylamine	50.00	39.92	80	45-120	2	27
1,2,4-Trichlorobenzene	50.00	32.16	64	38-120	2	30
4-Chloro-3-methylphenol	100.0	83.09	83	48-120	2	25
Acenaphthene	50.00	40.86	82	43-120	2	24
4-Nitrophenol	100.0	102.1	102	43-120	3	23
2,4-Dinitrotoluene	50.00	42.73	85	46-120	2	24
Pentachlorophenol	100.0	99.86	100	35-120	2	28
Pyrene	50.00	39.06	78	38-120	1	24

Surrogate	%REC	Limits
2-Fluorophenol	81	41-120
Phenol-d5	79	41-120
2,4,6-Tribromophenol	95	38-120
Nitrobenzene-d5	87	47-120
2-Fluorobiphenyl	90	44-120
Terphenyl-d14	77	16-120

RPD= Relative Percent Difference

68.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW3.6-081605	Batch#:	105053
Lab ID:	181341-005	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.012
BZ# 18	ND	0.049	0.025
BZ# 28	ND	0.049	0.020
BZ# 52	ND	0.049	0.019
BZ# 44	ND	0.049	0.0097
BZ# 66	ND	0.049	0.0099
BZ# 101	ND	0.049	0.013
BZ# 81	ND	0.049	0.019
BZ# 77	ND	0.049	0.010
BZ# 123	ND	0.049	0.011
BZ# 118	ND	0.049	0.010
BZ# 114	ND	0.049	0.010
BZ# 153	ND	0.049	0.015
BZ# 105	ND	0.049	0.012
BZ# 138	ND	0.049	0.011
BZ# 187	ND	0.049	0.010
BZ# 126	ND	0.049	0.012
BZ# 128	ND	0.049	0.011
BZ# 167	ND	0.049	0.010
BZ# 156	ND	0.049	0.012
BZ# 157	ND	0.049	0.011
BZ# 180	ND	0.049	0.011
BZ# 170	ND	0.049	0.015
BZ# 169	ND	0.049	0.013
BZ# 189	ND	0.049	0.014
BZ# 195	ND	0.049	0.013
BZ# 206	ND	0.049	0.012
BZ# 209	ND	0.049	0.015

Surrogate	%REC	Limits
TCMX	40	37-140
BZ# 205	92	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

25.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW5.2-081605	Batch#:	105053
Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	47	37-140
BZ# 205	85	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

26.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MWDUP2-081605	Batch#:	105053
Lab ID:	181341-007	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.012
BZ# 18	ND	0.049	0.025
BZ# 28	ND	0.049	0.020
BZ# 52	ND	0.049	0.019
BZ# 44	ND	0.049	0.0097
BZ# 66	ND	0.049	0.0099
BZ# 101	ND	0.049	0.013
BZ# 81	ND	0.049	0.019
BZ# 77	ND	0.049	0.010
BZ# 123	ND	0.049	0.011
BZ# 118	ND	0.049	0.010
BZ# 114	ND	0.049	0.010
BZ# 153	ND	0.049	0.015
BZ# 105	ND	0.049	0.012
BZ# 138	ND	0.049	0.011
BZ# 187	ND	0.049	0.010
BZ# 126	ND	0.049	0.012
BZ# 128	ND	0.049	0.011
BZ# 167	ND	0.049	0.010
BZ# 156	ND	0.049	0.012
BZ# 157	ND	0.049	0.011
BZ# 180	ND	0.049	0.011
BZ# 170	ND	0.049	0.015
BZ# 169	ND	0.049	0.013
BZ# 189	ND	0.049	0.014
BZ# 195	ND	0.049	0.013
BZ# 206	ND	0.049	0.012
BZ# 209	ND	0.049	0.015

Surrogate	%REC	Limits
TCMX	36 *	37-140
BZ# 205	73	37-140

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

27.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW5.3-081605	Batch#:	105053
Lab ID:	181341-008	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.019
BZ# 52	ND	0.048	0.018
BZ# 44	ND	0.048	0.0096
BZ# 66	ND	0.048	0.0097
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.011
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0098
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.010
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.012
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	42	37-140
BZ# 205	85	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

28.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW5.4-081605	Batch#:	105053
Lab ID:	181341-009	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	37	37-140
BZ# 205	78	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

29.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW3.7-081705	Batch#:	105053
Lab ID:	181341-010	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	38	37-140
BZ# 205	79	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

30.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW3.8-081705	Batch#:	105053
Lab ID:	181341-011	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	37	37-140
BZ# 205	82	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

31.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW3.9-081705	Batch#:	105053
Lab ID:	181341-012	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.019
BZ# 52	ND	0.048	0.018
BZ# 44	ND	0.048	0.0096
BZ# 66	ND	0.048	0.0097
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	0.034 J	0.048	0.014
BZ# 105	ND	0.048	0.011
BZ# 138	0.021 J	0.048	0.011
BZ# 187	0.024 J	0.048	0.0098
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.010
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	0.033 J	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.012
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	35 *	37-140
BZ# 205	70	37-140

*= Value outside of QC limits; see narrative
J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

32.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW5.5-081705	Batch#:	105053
Lab ID:	181341-013	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	34 *	37-140
BZ# 205	67	37-140

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

33.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW5.6-081705	Batch#:	105053
Lab ID:	181341-014	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	36 *	37-140
BZ# 205	77	37-140

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

34.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW5.7-081705	Batch#:	105053
Lab ID:	181341-015	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.012
BZ# 18	ND	0.049	0.025
BZ# 28	ND	0.049	0.020
BZ# 52	ND	0.049	0.019
BZ# 44	ND	0.049	0.0097
BZ# 66	ND	0.049	0.0099
BZ# 101	ND	0.049	0.013
BZ# 81	ND	0.049	0.019
BZ# 77	ND	0.049	0.010
BZ# 123	ND	0.049	0.011
BZ# 118	ND	0.049	0.010
BZ# 114	ND	0.049	0.010
BZ# 153	ND	0.049	0.015
BZ# 105	ND	0.049	0.012
BZ# 138	ND	0.049	0.011
BZ# 187	ND	0.049	0.010
BZ# 126	ND	0.049	0.012
BZ# 128	ND	0.049	0.011
BZ# 167	ND	0.049	0.010
BZ# 156	ND	0.049	0.012
BZ# 157	ND	0.049	0.011
BZ# 180	ND	0.049	0.011
BZ# 170	ND	0.049	0.015
BZ# 169	ND	0.049	0.013
BZ# 189	ND	0.049	0.014
BZ# 195	ND	0.049	0.013
BZ# 206	ND	0.049	0.012
BZ# 209	ND	0.049	0.015

Surrogate	%REC	Limits
TCMX	34 *	37-140
BZ# 205	82	37-140

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

35.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305945	Batch#:	105053
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.050	0.012
BZ# 18	ND	0.050	0.025
BZ# 28	ND	0.050	0.020
BZ# 52	ND	0.050	0.019
BZ# 44	ND	0.050	0.010
BZ# 66	ND	0.050	0.010
BZ# 101	ND	0.050	0.013
BZ# 81	ND	0.050	0.020
BZ# 77	ND	0.050	0.011
BZ# 123	ND	0.050	0.012
BZ# 118	ND	0.050	0.011
BZ# 114	ND	0.050	0.011
BZ# 153	ND	0.050	0.015
BZ# 105	ND	0.050	0.012
BZ# 138	ND	0.050	0.011
BZ# 187	ND	0.050	0.010
BZ# 126	ND	0.050	0.013
BZ# 128	ND	0.050	0.011
BZ# 167	ND	0.050	0.010
BZ# 156	ND	0.050	0.013
BZ# 157	ND	0.050	0.011
BZ# 180	ND	0.050	0.011
BZ# 170	ND	0.050	0.015
BZ# 169	ND	0.050	0.014
BZ# 189	ND	0.050	0.015
BZ# 195	ND	0.050	0.013
BZ# 206	ND	0.050	0.012
BZ# 209	ND	0.050	0.016

Surrogate	%REC	Limits
TCMX	32 *	37-140
BZ# 205	87	37-140

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

36.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305946	Batch#:	105053
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
BZ# 8	1.000	0.8793	88	50-150
BZ# 18	1.000	0.8890	89	50-150
BZ# 28	1.000	0.9558	96	50-150
BZ# 52	1.000	0.8296	83	50-150
BZ# 44	1.000	0.8619	86	50-150
BZ# 66	1.000	0.9642	96	50-150
BZ# 101	1.000	0.8963	90	50-150
BZ# 81	1.000	1.028	103	50-150
BZ# 77	1.000	1.168 #	117	50-150
BZ# 123	1.000	0.9354	94	50-150
BZ# 118	1.000	0.9356	94	50-150
BZ# 114	1.000	0.9539	95	50-150
BZ# 153	1.000	0.8690	87	50-150
BZ# 105	1.000	1.007	101	50-150
BZ# 138	1.000	0.9177	92	50-150
BZ# 187	1.000	0.8388	84	50-150
BZ# 126	1.000	1.026	103	50-150
BZ# 128	1.000	0.9257	93	50-150
BZ# 167	1.000	0.9339	93	50-150
BZ# 156	1.000	0.9371	94	50-150
BZ# 157	1.000	0.9543	95	50-150
BZ# 180	1.000	0.8479	85	50-150
BZ# 170	1.000	0.8957	90	50-150
BZ# 169	1.000	1.070	107	50-150
BZ# 189	1.000	0.9934	99	50-150
BZ# 195	1.000	0.8776	88	50-150
BZ# 206	1.000	0.8241	82	50-150
BZ# 209	1.000	0.8469	85	50-150

Surrogate	%REC	Limits
TCMX	41	37-140
BZ# 205	92	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements

37.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW5.2-081605	Batch#:	105053
MSS Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Type: MS
Lab ID: QC305947
Cleanup Method: EPA 3665A

Analyte	MSS Result	Spiked	Result	%REC	Limits
BZ# 8	<0.01196	0.9615	0.8380	87	50-150
BZ# 18	<0.02432	0.9615	0.8447	88	50-150
BZ# 28	<0.01952	0.9615	0.9042	94	50-150
BZ# 52	<0.01853	0.9615	0.7898	82	50-150
BZ# 44	<0.009652	0.9615	0.8267	86	50-150
BZ# 66	<0.009834	0.9615	0.9014	94	50-150
BZ# 101	<0.01287	0.9615	0.8485	88	50-150
BZ# 81	<0.01904	0.9615	0.9632	100	50-150
BZ# 77	<0.01027	0.9615	1.185 #	123	50-150
BZ# 123	<0.01108	0.9615	0.8904	93	50-150
BZ# 118	<0.01026	0.9615	0.8924	93	50-150
BZ# 114	<0.01010	0.9615	0.9098	95	50-150
BZ# 153	<0.01447	0.9615	0.8231	86	50-150
BZ# 105	<0.01160	0.9615	0.9561	99	50-150
BZ# 138	<0.01062	0.9615	0.8578	89	50-150
BZ# 187	<0.009913	0.9615	0.7937	83	50-150
BZ# 126	<0.01229	0.9615	0.9861	103	50-150
BZ# 128	<0.01053	0.9615	0.8687	90	50-150
BZ# 167	<0.01005	0.9615	0.8779	91	50-150
BZ# 156	<0.01220	0.9615	0.8826	92	50-150
BZ# 157	<0.01061	0.9615	0.8977	93	50-150
BZ# 180	<0.01068	0.9615	0.7962	83	50-150
BZ# 170	<0.01442	0.9615	0.8386	87	50-150
BZ# 169	<0.01309	0.9615	1.006	105	50-150
BZ# 189	<0.01405	0.9615	0.9213	96	50-150
BZ# 195	<0.01261	0.9615	0.8331	87	50-150
BZ# 206	<0.01190	0.9615	0.7787	81	50-150
BZ# 209	<0.01531	0.9615	0.8038	84	50-150

Surrogate	%REC	Limits
TCMX	46	37-140
BZ# 205	88	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
RPD= Relative Percent Difference

38.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW5.2-081605	Batch#:	105053
MSS Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Type: MSD
Lab ID: QC305948
Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
BZ# 8	0.9709	0.8550	88	50-150	1	30
BZ# 18	0.9709	0.8581	88	50-150	1	30
BZ# 28	0.9709	0.9244	95	50-150	1	30
BZ# 52	0.9709	0.8041	83	50-150	1	30
BZ# 44	0.9709	0.8442	87	50-150	1	30
BZ# 66	0.9709	0.9160	94	50-150	1	30
BZ# 101	0.9709	0.8615	89	50-150	1	30
BZ# 81	0.9709	1.001	103	50-150	3	30
BZ# 77	0.9709	1.134 #	117	50-150	5	30
BZ# 123	0.9709	0.9014	93	50-150	0	30
BZ# 118	0.9709	0.9024	93	50-150	0	30
BZ# 114	0.9709	0.9216	95	50-150	0	30
BZ# 153	0.9709	0.8331	86	50-150	0	30
BZ# 105	0.9709	0.9703	100	50-150	1	30
BZ# 138	0.9709	0.8662	89	50-150	0	30
BZ# 187	0.9709	0.8001	82	50-150	0	30
BZ# 126	0.9709	1.055	109	50-150	6	30
BZ# 128	0.9709	0.8756	90	50-150	0	30
BZ# 167	0.9709	0.8779	90	50-150	1	30
BZ# 156	0.9709	0.8859	91	50-150	1	30
BZ# 157	0.9709	0.8990	93	50-150	1	30
BZ# 180	0.9709	0.7980	82	50-150	1	30
BZ# 170	0.9709	0.8385	86	50-150	1	30
BZ# 169	0.9709	0.9918	102	50-150	2	30
BZ# 189	0.9709	0.9233	95	50-150	1	30
BZ# 195	0.9709	0.8171	84	50-150	3	30
BZ# 206	0.9709	0.7646	79	50-150	3	30
BZ# 209	0.9709	0.7866	81	50-150	3	30

Surrogate	%REC	Limits
TCMX	48	37-140
BZ# 205	88	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
RPD= Relative Percent Difference

38.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW3.6-081605	Batch#:	105052
Lab ID:	181341-005	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.97	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.97	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	90	58-132
1-Methylnaphthalene (F)	98	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

39.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW5.2-081605	Batch#:	105052
Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.97	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.97	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	89	58-132
1-Methylnaphthalene (F)	98	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

40.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MWDUP2-081605	Batch#:	105052
Lab ID:	181341-007	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.97	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.97	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	98	58-132
1-Methylnaphthalene (F)	106	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

41.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW5.3-081605	Batch#:	105052
Lab ID:	181341-008	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	0.71 J	0.97	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.97	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	86	58-132
1-Methylnaphthalene (F)	94	56-135

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

42.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW5.4-081605	Batch#:	105052
Lab ID:	181341-009	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.96	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.96	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	99	58-132
1-Methylnaphthalene (F)	108	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

43.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW3.7-081705	Batch#:	105052
Lab ID:	181341-010	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.99	0.07
Acenaphthylene	ND	2.0	0.09
Acenaphthene	ND	0.99	0.06
Fluorene	ND	0.20	0.02
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.20	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.007
Benzo(b)fluoranthene	ND	0.20	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.20	0.009
Benzo(g,h,i)perylene	ND	0.20	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	91	58-132
1-Methylnaphthalene (F)	98	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

44.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW3.8-081705	Batch#:	105052
Lab ID:	181341-011	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.97	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.97	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	91	58-132
1-Methylnaphthalene (F)	97	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

45.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW3.9-081705	Batch#:	105052
Lab ID:	181341-012	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.95	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.95	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.007
Dibenz(a,h)anthracene	ND	0.19	0.008
Benzo(g,h,i)perylene	ND	0.19	0.009
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	88	58-132
1-Methylnaphthalene (F)	96	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

46.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW5.5-081705	Batch#:	105052
Lab ID:	181341-013	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.97	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.97	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	86	58-132
1-Methylnaphthalene (F)	92	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

47.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW5.6-081705	Batch#:	105052
Lab ID:	181341-014	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.96	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.96	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	85	58-132
1-Methylnaphthalene (F)	91	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

48.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW5.7-081705	Batch#:	105052
Lab ID:	181341-015	Sampled:	08/17/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.96	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.96	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	0.03 J	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	92	58-132
1-Methylnaphthalene (F)	100	56-135

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

49.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305941	Batch#:	105052
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	1.0	0.07
Acenaphthylene	ND	2.0	0.09
Acenaphthene	ND	1.0	0.06
Fluorene	ND	0.20	0.02
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.20	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.007
Benzo(b)fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.20	0.009
Benzo(g,h,i)perylene	ND	0.20	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	83	58-132
1-Methylnaphthalene (F)	92	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

50.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305942	Batch#:	105052
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Analyte	Spiked	Result	%REC	Limits
Naphthalene	10.00	9.742	97	67-120
Acenaphthylene	20.00	19.77	99	70-120
Acenaphthene	10.00	10.21	102	66-120
Fluorene	2.000	2.051	103	69-120
Phenanthrene	1.000	1.085	109	63-120
Anthracene	1.000	1.148	115	63-120
Benzo(k)fluoranthene	1.000	1.122	112	65-124
Indeno(1,2,3-cd)pyrene	1.000	1.120	112	62-123

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	94	58-132
1-Methylnaphthalene (F)	101	56-135

51.0

Curtis & Tompkins, Ltd.
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Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW5.2-081605	Batch#:	105052
MSS Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Type: MS Lab ID: QC305943

Analyte	MSS Result	Spiked	Result	%REC	Limits
Naphthalene	<0.07025	9.709	9.423	97	42-122
Acenaphthylene	<0.09185	19.42	18.71	96	51-126
Acenaphthene	<0.06250	9.709	9.799	101	41-156
Fluorene	<0.01498	1.942	1.900	98	39-150
Phenanthrene	<0.008593	0.9709	0.9939	102	25-205
Anthracene	<0.007922	0.9709	1.065	110	56-151
Benzo(k)fluoranthene	<0.005005	0.9709	1.020	105	18-146
Indeno(1,2,3-cd)pyrene	<0.006209	0.9709	1.019	105	55-159

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	91	58-132
1-Methylnaphthalene (F)	99	56-135

Type: MSD Lab ID: QC305944

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Naphthalene	9.615	9.657	100	42-122	3	36
Acenaphthylene	19.23	19.62	102	51-126	6	34
Acenaphthene	9.615	10.14	105	41-156	4	38
Fluorene	1.923	2.005	104	39-150	6	35
Phenanthrene	0.9615	1.072	111	25-205	8	33
Anthracene	0.9615	1.129	117	56-151	7	34
Benzo(k)fluoranthene	0.9615	1.070	111	18-146	6	34
Indeno(1,2,3-cd)pyrene	0.9615	1.075	112	55-159	6	33

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	96	58-132
1-Methylnaphthalene (F)	105	56-135

RPD= Relative Percent Difference

52.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181341	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW3.6-081605	Diln Fac:	1.000
Lab ID:	181341-005	Sampled:	08/16/05
Matrix:	Filtrate	Received:	08/18/05
Units:	ug/L	Prepared:	08/19/05

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	1.0	104985	08/27/05	200.8	EPA 6020
Arsenic	1.2	1.0	104985	08/27/05	200.8	EPA 6020
Barium	13	1.0	104985	08/27/05	200.8	EPA 6020
Beryllium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cadmium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Chromium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cobalt	ND	1.0	104985	08/27/05	200.8	EPA 6020
Copper	1.4	1.0	104985	08/27/05	200.8	EPA 6020
Lead	ND	1.0	104985	08/27/05	200.8	EPA 6020
Mercury	ND	0.20	105016	08/19/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	104985	08/27/05	200.8	EPA 6020
Nickel	ND	1.0	104985	08/27/05	200.8	EPA 6020
Selenium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Silver	ND	1.0	104985	08/27/05	200.8	EPA 6020
Thallium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Vanadium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Zinc	12	1.0	104985	08/27/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181341	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW5.2-081605	Diln Fac:	1.000
Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Filtrate	Received:	08/18/05
Units:	ug/L	Prepared:	08/19/05

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	1.0	104985	08/26/05	200.8	EPA 6020
Arsenic	2.5	1.0	104985	08/26/05	200.8	EPA 6020
Barium	7.6	1.0	104985	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	104985	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	104985	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	104985	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	104985	08/26/05	200.8	EPA 6020
Copper	ND	1.0	104985	08/26/05	200.8	EPA 6020
Lead	ND	1.0	104985	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105016	08/19/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	104985	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	104985	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	104985	08/26/05	200.8	EPA 6020
Silver	ND	1.0	104985	08/26/05	200.8	EPA 6020
Thallium	1.6	1.0	104985	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	104985	08/26/05	200.8	EPA 6020
Zinc	2.2	1.0	104985	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

74.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #: 181341		Project#:	16017.01
Client: Acton Mickelson Environmental		Location:	Former GA-Pacific Sawmill
Field ID:	MWDUP2-081605	Diln Fac:	1.000
Lab ID:	181341-007	Sampled:	08/16/05
Matrix:	Filtrate	Received:	08/18/05
Units:	ug/L	Prepared:	08/19/05

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	1.0	104985	08/27/05	200.8	EPA 6020
Arsenic	6.5	1.0	104985	08/27/05	200.8	EPA 6020
Barium	11	1.0	104985	08/27/05	200.8	EPA 6020
Beryllium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cadmium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Chromium	1.0	1.0	104985	08/27/05	200.8	EPA 6020
Cobalt	ND	1.0	104985	08/27/05	200.8	EPA 6020
Copper	ND	1.0	104985	08/27/05	200.8	EPA 6020
Lead	ND	1.0	104985	08/27/05	200.8	EPA 6020
Mercury	ND	0.20	105016	08/19/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	104985	08/27/05	200.8	EPA 6020
Nickel	ND	1.0	104985	08/27/05	200.8	EPA 6020
Selenium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Silver	ND	1.0	104985	08/27/05	200.8	EPA 6020
Thallium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Vanadium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Zinc	3.5	1.0	104985	08/27/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

75.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181341	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW5.3-081605	Diln Fac:	1.000
Lab ID:	181341-008	Sampled:	08/16/05
Matrix:	Filtrate	Received:	08/18/05
Units:	ug/L	Prepared:	08/19/05

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	1.0	104985	08/27/05	200.8	EPA 6020
Arsenic	7.3	1.0	104985	08/27/05	200.8	EPA 6020
Barium	30	1.0	104985	08/27/05	200.8	EPA 6020
Beryllium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cadmium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Chromium	2.2	1.0	104985	08/27/05	200.8	EPA 6020
Cobalt	ND	1.0	104985	08/27/05	200.8	EPA 6020
Copper	ND	1.0	104985	08/27/05	200.8	EPA 6020
Lead	ND	1.0	104985	08/27/05	200.8	EPA 6020
Mercury	ND	0.20	105016	08/19/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	104985	08/27/05	200.8	EPA 6020
Nickel	ND	1.0	104985	08/27/05	200.8	EPA 6020
Selenium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Silver	ND	1.0	104985	08/27/05	200.8	EPA 6020
Thallium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Vanadium	2.6	1.0	104985	08/27/05	200.8	EPA 6020
Zinc	9.7	1.0	104985	08/27/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181341	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW5.4-081605	Diln Fac:	1.000
Lab ID:	181341-009	Sampled:	08/16/05
Matrix:	Filtrate	Received:	08/18/05
Units:	ug/L	Prepared:	08/19/05

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	1.0	104985	08/27/05	200.8	EPA 6020
Arsenic	6.2	1.0	104985	08/27/05	200.8	EPA 6020
Barium	11	1.0	104985	08/27/05	200.8	EPA 6020
Beryllium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cadmium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Chromium	1.3	1.0	104985	08/27/05	200.8	EPA 6020
Cobalt	ND	1.0	104985	08/27/05	200.8	EPA 6020
Copper	ND	1.0	104985	08/27/05	200.8	EPA 6020
Lead	ND	1.0	104985	08/27/05	200.8	EPA 6020
Mercury	ND	0.20	105016	08/19/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	104985	08/27/05	200.8	EPA 6020
Nickel	ND	1.0	104985	08/27/05	200.8	EPA 6020
Selenium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Silver	ND	1.0	104985	08/27/05	200.8	EPA 6020
Thallium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Vanadium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Zinc	7.9	1.0	104985	08/27/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181341	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW3.7-081705	Diln Fac:	1.000
Lab ID:	181341-010	Sampled:	08/17/05
Matrix:	Filtrate	Received:	08/18/05
Units:	ug/L	Prepared:	08/19/05

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	1.0	104985	08/27/05	200.8	EPA 6020
Arsenic	1.5	1.0	104985	08/27/05	200.8	EPA 6020
Barium	100	1.0	104985	08/27/05	200.8	EPA 6020
Beryllium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cadmium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Chromium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cobalt	ND	1.0	104985	08/27/05	200.8	EPA 6020
Copper	ND	1.0	104985	08/27/05	200.8	EPA 6020
Lead	ND	1.0	104985	08/27/05	200.8	EPA 6020
Mercury	ND	0.20	105016	08/19/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	104985	08/27/05	200.8	EPA 6020
Nickel	ND	1.0	104985	08/27/05	200.8	EPA 6020
Selenium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Silver	ND	1.0	104985	08/27/05	200.8	EPA 6020
Thallium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Vanadium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Zinc	6.9	1.0	104985	08/27/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

78.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181341	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW3.8-081705	Diln Fac:	1.000
Lab ID:	181341-011	Sampled:	08/17/05
Matrix:	Filtrate	Received:	08/18/05
Units:	ug/L	Prepared:	08/19/05

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	1.0	104985	08/27/05	200.8	EPA 6020
Arsenic	ND	1.0	104985	08/27/05	200.8	EPA 6020
Barium	43	1.0	104985	08/27/05	200.8	EPA 6020
Beryllium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cadmium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Chromium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cobalt	ND	1.0	104985	08/27/05	200.8	EPA 6020
Copper	ND	1.0	104985	08/27/05	200.8	EPA 6020
Lead	ND	1.0	104985	08/27/05	200.8	EPA 6020
Mercury	ND	0.20	105016	08/19/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	104985	08/27/05	200.8	EPA 6020
Nickel	ND	1.0	104985	08/27/05	200.8	EPA 6020
Selenium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Silver	ND	1.0	104985	08/27/05	200.8	EPA 6020
Thallium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Vanadium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Zinc	2.6	1.0	104985	08/27/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181341	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW3.9-081705	Diln Fac:	1.000
Lab ID:	181341-012	Sampled:	08/17/05
Matrix:	Filtrate	Received:	08/18/05
Units:	ug/L	Prepared:	08/19/05

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	1.0	104985	08/27/05	200.8	EPA 6020
Arsenic	ND	1.0	104985	08/27/05	200.8	EPA 6020
Barium	27	1.0	104985	08/27/05	200.8	EPA 6020
Beryllium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cadmium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Chromium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cobalt	ND	1.0	104985	08/27/05	200.8	EPA 6020
Copper	ND	1.0	104985	08/27/05	200.8	EPA 6020
Lead	ND	1.0	104985	08/27/05	200.8	EPA 6020
Mercury	ND	0.20	105016	08/19/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	104985	08/27/05	200.8	EPA 6020
Nickel	ND	1.0	104985	08/27/05	200.8	EPA 6020
Selenium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Silver	ND	1.0	104985	08/27/05	200.8	EPA 6020
Thallium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Vanadium	1.4	1.0	104985	08/27/05	200.8	EPA 6020
Zinc	7.0	1.0	104985	08/27/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

80.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181341	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW5.5-081705	Diln Fac:	1.000
Lab ID:	181341-013	Sampled:	08/17/05
Matrix:	Filtrate	Received:	08/18/05
Units:	ug/L	Prepared:	08/19/05

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	1.0	104985	08/27/05	200.8	EPA 6020
Arsenic	14	1.0	104985	08/27/05	200.8	EPA 6020
Barium	150	1.0	104985	08/27/05	200.8	EPA 6020
Beryllium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cadmium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Chromium	1.4	1.0	104985	08/27/05	200.8	EPA 6020
Cobalt	2.1	1.0	104985	08/27/05	200.8	EPA 6020
Copper	ND	1.0	104985	08/27/05	200.8	EPA 6020
Lead	ND	1.0	104985	08/27/05	200.8	EPA 6020
Mercury	ND	0.20	105016	08/19/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	104985	08/27/05	200.8	EPA 6020
Nickel	1.4	1.0	104985	08/27/05	200.8	EPA 6020
Selenium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Silver	ND	1.0	104985	08/27/05	200.8	EPA 6020
Thallium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Vanadium	2.7	1.0	104985	08/27/05	200.8	EPA 6020
Zinc	4.5	1.0	104985	08/27/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

81.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181341	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW5.6-081705	Diln Fac:	1.000
Lab ID:	181341-014	Sampled:	08/17/05
Matrix:	Filtrate	Received:	08/18/05
Units:	ug/L	Prepared:	08/19/05

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	1.0	104985	08/27/05	200.8	EPA 6020
Arsenic	9.7	1.0	104985	08/27/05	200.8	EPA 6020
Barium	150	1.0	104985	08/27/05	200.8	EPA 6020
Beryllium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cadmium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Chromium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Cobalt	4.2	1.0	104985	08/27/05	200.8	EPA 6020
Copper	ND	1.0	104985	08/27/05	200.8	EPA 6020
Lead	ND	1.0	104985	08/27/05	200.8	EPA 6020
Mercury	ND	0.20	105016	08/19/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	104985	08/27/05	200.8	EPA 6020
Nickel	2.1	1.0	104985	08/27/05	200.8	EPA 6020
Selenium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Silver	ND	1.0	104985	08/27/05	200.8	EPA 6020
Thallium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Vanadium	ND	1.0	104985	08/27/05	200.8	EPA 6020
Zinc	6.2	1.0	104985	08/27/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

82.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181341	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW5.7-081705	Sampled:	08/17/05
Lab ID:	181341-015	Received:	08/18/05
Matrix:	Filtrate	Prepared:	08/19/05
Units:	ug/L		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed	Prep	Analysis
Antimony	ND	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Arsenic	14	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Barium	210	2.0	2.000	104985	08/29/05	200.8	EPA 6020
Beryllium	ND	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Cadmium	ND	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Chromium	ND	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Cobalt	ND	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Copper	ND	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Lead	ND	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Mercury	ND	0.20	1.000	105016	08/19/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Nickel	ND	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Selenium	ND	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Silver	ND	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Thallium	ND	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Vanadium	ND	1.0	1.000	104985	08/27/05	200.8	EPA 6020
Zinc	5.6	1.0	1.000	104985	08/27/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

83.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	200.8
Project#:	16017.01	Analysis:	EPA 6020
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305672	Batch#:	104985
Matrix:	Filtrate	Prepared:	08/19/05
Units:	ug/L	Analyzed:	08/26/05

Analyte	Result	RL
Antimony	ND	1.0
Arsenic	ND	1.0
Barium	ND	1.0
Beryllium	ND	1.0
Cadmium	ND	1.0
Chromium	ND	1.0
Cobalt	ND	1.0
Copper	ND	1.0
Lead	ND	1.0
Molybdenum	ND	1.0
Nickel	ND	1.0
Selenium	ND	1.0
Silver	ND	1.0
Thallium	ND	1.0
Vanadium	ND	1.0
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

84.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	200.8
Project#:	16017.01	Analysis:	EPA 6020
Matrix:	Filtrate	Batch#:	104985
Units:	ug/L	Prepared:	08/19/05
Diln Fac:	1.000	Analyzed:	08/26/05

Type: BS Lab ID: QC305673

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	101.0	101	80-120
Arsenic	100.0	101.2	101	80-120
Barium	100.0	101.7	102	80-120
Beryllium	100.0	104.6	105	80-120
Cadmium	100.0	100.9	101	80-120
Chromium	100.0	103.5	104	80-120
Cobalt	100.0	106.5	107	80-120
Copper	100.0	108.2	108	80-120
Lead	100.0	102.5	103	80-120
Molybdenum	100.0	102.9	103	80-120
Nickel	100.0	107.0	107	80-120
Selenium	100.0	95.07	95	80-120
Silver	100.0	104.3	104	80-120
Thallium	100.0	97.86	98	80-120
Vanadium	100.0	105.1	105	80-120
Zinc	100.0	100.1	100	80-120

Type: BSD Lab ID: QC305674

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	100.5	101	80-120	0	20
Arsenic	100.0	101.1	101	80-120	0	20
Barium	100.0	101.5	102	80-120	0	20
Beryllium	100.0	104.6	105	80-120	0	20
Cadmium	100.0	102.3	102	80-120	1	20
Chromium	100.0	102.4	102	80-120	1	20
Cobalt	100.0	100.6	101	80-120	6	20
Copper	100.0	105.4	105	80-120	3	20
Lead	100.0	101.1	101	80-120	1	20
Molybdenum	100.0	104.8	105	80-120	2	20
Nickel	100.0	105.6	106	80-120	1	20
Selenium	100.0	96.67	97	80-120	2	20
Silver	100.0	106.1	106	80-120	2	20
Thallium	100.0	99.24	99	80-120	1	20
Vanadium	100.0	104.2	104	80-120	1	20
Zinc	100.0	99.03	99	80-120	1	20

RPD= Relative Percent Difference

86.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	200.8
Project#:	16017.01	Analysis:	EPA 6020
Field ID:	MW5.2-081605	Batch#:	104985
MSS Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Filtrate	Received:	08/18/05
Units:	ug/L	Prepared:	08/19/05
Diln Fac:	1.000	Analyzed:	08/26/05

Type: MS Lab ID: QC305675

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.2584	100.0	99.53	99	80-120
Arsenic	2.504	100.0	100.6	98	80-120
Barium	7.563	100.0	109.0	101	77-125
Beryllium	<0.05514	100.0	102.9	103	80-120
Cadmium	<0.1409	100.0	96.10	96	78-120
Chromium	0.5403	100.0	100.4	100	80-120
Cobalt	0.05198	100.0	98.93	99	80-120
Copper	0.5780	100.0	101.8	101	80-120
Lead	<0.2399	100.0	102.0	102	80-120
Molybdenum	0.6723	100.0	102.6	102	80-120
Nickel	0.2105	100.0	102.6	102	77-120
Selenium	0.4217	100.0	91.18	91	64-123
Silver	0.04195	100.0	100.6	101	71-120
Thallium	1.553	100.0	97.68	96	62-120
Vanadium	0.2643	100.0	102.5	102	78-130
Zinc	2.239	100.0	97.25	95	64-129

Type: MSD Lab ID: QC305676

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	100.4	100	80-120	1	20
Arsenic	100.0	103.8	101	80-120	3	20
Barium	100.0	109.9	102	77-125	1	20
Beryllium	100.0	104.9	105	80-120	2	20
Cadmium	100.0	98.87	99	78-120	3	20
Chromium	100.0	103.3	103	80-120	3	20
Cobalt	100.0	99.88	100	80-120	1	20
Copper	100.0	105.0	104	80-120	3	20
Lead	100.0	103.4	103	80-120	1	20
Molybdenum	100.0	105.5	105	80-120	3	20
Nickel	100.0	104.8	105	77-120	2	20
Selenium	100.0	93.61	93	64-123	3	20
Silver	100.0	103.2	103	71-120	3	20
Thallium	100.0	101.3	100	62-120	4	20
Vanadium	100.0	107.6	107	78-130	5	20
Zinc	100.0	98.58	96	64-129	1	28

RPD= Relative Percent Difference

87.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	METHOD
Project#:	16017.01	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	105016
Lab ID:	QC305790	Prepared:	08/19/05
Matrix:	Filtrate	Analyzed:	08/19/05
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

85.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	METHOD
Project#:	16017.01	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	105016
Matrix:	Filtrate	Prepared:	08/19/05
Units:	ug/L	Analyzed:	08/19/05
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC305791	5.000	4.890	98	80-120		
BSD	QC305792	5.000	4.710	94	80-120	4	20

RPD= Relative Percent Difference

88.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181341	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	METHOD
Project#:	16017.01	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	105016
Field ID:	MW5.2-081605	Sampled:	08/16/05
MSS Lab ID:	181341-006	Received:	08/18/05
Matrix:	Filtrate	Prepared:	08/19/05
Units:	ug/L	Analyzed:	08/19/05
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC305793	<0.07957	5.000	4.820	96	80-120		
MSD	QC305794		5.000	5.020	100	80-120	4	20

RPD= Relative Percent Difference

89.0

181341

Acton - Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

[X] Standard TAT [ ] RUSH TAT [ ] 24 hr. TAT [ ] 48 hr. TAT [ ] 72 hr. TAT [X] 5 day TAT

Page 1 of 2 | Chain of Custody No. 1376

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

[ ] Preliminary Fax Result
[X] Sample Receipt/ Log-In Confirmation
[X] Electronic Data Deliverables
[X] Geotracker EDF
[ ] Raw Data Deliverables
[ ] Call with Verbal Results

Requested Analysis: 8015B TPHg; 8260B VOCs; Temperature 1 per cooler 5.2°C 8-18-05

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	8015B TPHg	8260B VOCs *1	Comments
181341-001		MW3.5-081605TB2	8/16/05	1215	W	V	6	HCL	X	X	*1 VOCs Low Level
-002		MW3.3-081605	8/16/05	1035	GW	V	6	HCL	X	X	
-003		MW3.4-081605	8/16/05	1123	GW	V	6	HCL	X	X	
-004		MW3.5-081605	8/16/05	1215	GW	V	6	HCL	X	X	
-005		MW3.6-081605	8/16/05	1304	GW	V	6	HCL	X	X	
-006		MW5.2-081605	8/16/05	1355	GW	V	18	HCL	X	X	Run MS/MSD on this sample
-007		MW DUP2 081605	8/16/05	—	GW	V	6	HCL	X	X	
-008		MW5.3-081605	8/16/05	1515	GW	V	6	HCL	X	X	
-009		MW5.4-081605	8/16/05	1555	GW	V	6	HCL	X	X	
-010		MW3.7-081705	8/17/05	0820	GW	V	6	HCL	X	X	

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: Onoy E Wall	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01 Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton - Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID 106045911192

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Chain of Custody No. 1377

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- [ ] Preliminary Fax Result
- [x] Sample Receipt/ Log-In Confirmation
- [x] Electronic Data Deliverables
- [x] Geotracker EDF
- [ ] Raw Data Deliverables
- [ ] Call with Verbal Results

Temperature 1 per cooler 5.2°C 2 (Nw 8-18-05

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	8015B TPHg	8260B VOCs								Comments
										*1								
181341-011		MW3.8-081705	8/17/05	0905	w	V		HCL	X	X								*1 VOC's Low Level
-012		MW3.9-081705	8/17/05	0957	GW	V		HCL	X	X								
-013		MW5.5-081705	8/17/05	1050	GW	V		HCL	X	X								
-014		MW5.6-081705	8/17/05	1147	GW	V		HCL	X	X								
-015		MW5.7-081705	8/17/05	1245	GW	V		HCL	X	X								
N/A	TW	~~MW-08 05~~	8/ /05		GW	V		HCL	X	X								

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: [illegible]	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polyethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis + Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

[X] Standard TAT [ ] RUSH TAT [ ] 24 hr. TAT [ ] 48 hr. TAT [ ] 72 hr. TAT [X] 5 day TAT

Page ___ of ___ | Chain of Custody No. 4191

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

[ ] Preliminary Fax Result
[X] Sample Receipt/ Log-In Confirmation
[X] Electronic Data Deliverables
[X] Geotracker EDF
[ ] Raw Data Deliverables
[ ] Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd & TPHO *1	8270C SVOC's	8082 PCB Congeners	8310 PAH	6020B/7471 Metals *2	Temperature				~~Temperature~~	Comments
181341-005		MW-3,6-08 16 05	8/16/05	1304	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
		MW-3,6-08 16 05	8/16/05	1304	GW	GB	2	C		X									*2 Metals, dissolved Field filtered
		MW-3,6-08 16 05	8/16/05	1304	GW	GB	1	C			X								
		MW-3,6-08 16 05	8/16/05	1304	GW	GB	1	C				X							
		MW-3,6-08 16 05	8/16/05	1304	GW	P	1	HNO_3					X						
N/A		Temperature Blank	8/16/05	—	W	P	1	C						X					one percooler
																			2.4° C
																			JGW 8-18-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: [signature]	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polyethylene, GJ - Glass Jar, SC - Summa Canister; TD - Tediar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton - Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

[X] Standard TAT [ ] RUSH TAT [ ] 24 hr. TAT [ ] 48 hr. TAT [ ] 72 hr. TAT [X] 5 day TAT

Page ___ of ___ | Chain of Custody No. 4288

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

[ ] Preliminary Fax Result
[X] Sample Receipt/ Log-In Confirmation
[X] Electronic Data Deliverables
[X] Geotracker EDF
[ ] Raw Data Deliverables
[ ] Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd & TPHr *1	8270C SVOCs	8082 PCB Congeners	8310 PAH	6020B/7471 Metals *2	Temperature					Comments
181341-006		MW-5.2-08 16 05	8/16/05	1355	GW	GB	3	C	X										*1 Use Silica Gel Cleanup
↓		MW-5.2-08 16 05	8/16/05	1355	GW	GB	6	C		X									*2 Metals dissolved Field Filtered
		MW-5.2-08 16 05	8/16/05	1355	GW	GB	3	C			X								*3 Run MS/MSD on this Sample
		MW-5.2-08 16 05	8/16/05	1355	GW	GB	3	C				X							
		MW-5.2-08 16 05	8/16/05	1355	GW	P	3	HNO3					X						
N/A		Temperature	8/16/05	—	W	P	1	C						X					1 per cooler
																			4.2°C
																			JGW 8-18-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: Jerry E. Winn	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar; SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Page ____ of ____ | Chain of Custody No. 4288

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	8015B TRH & TPH	8270C SVOCs	8082 PCB Congeners	8310 PAHs	6020B/7471 Metals	Temperature					Comments
									*1				*2						
161341-006		MW-5.2-08 16 05	8/16/05	1355	GW	GB	3	C	X										*1 Use Silica Gel Cleanup
		MW-5.2-08 16 05	8/16/05	1355	GW	GB	6	C		X									*2 Metals, dissolved Field Filtered
		MW-5.2-08 16 05	8/16/05	1355	GW	GB	3	C			X								*3 Run MS/MSD on this Sample
		MW-5.2-08 16 05	8/16/05	1355	GW	GB	3	C				X							
		MW-5.2-08 16 05	8/16/05	1355	GW	P	3	HNO3					X						
N/A		Temperature	8/16/05	—	W	P	1	C						X					1 per cooler
																			7.3°C
																			JHW 8-18-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: Jerry E. Wright	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polyethelyene, GJ - Glass Jar, SC - Summa Canister; TD - Tediar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton • Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

[X] Standard TAT [ ] RUSH TAT [ ] 24 hr. TAT [ ] 48 hr. TAT [ ] 72 hr. TAT [X] 5 day TAT

Page ___ of ___ | Chain of Custody No. 4288

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- [ ] Preliminary Fax Result
- [X] Sample Receipt/ Log-In Confirmation
- [X] Electronic Data Deliverables
- [X] Geotracker EDF
- [ ] Raw Data Deliverables
- [ ] Call with Verbal Results

Requested Analysis: 8015B TPHd & TPHr; 8270C SVOCs; 8082 PCB Congeners; 8310 PAH; 6020B/7471 Metals; Temperature

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	*1				*2						Comments
181341-006		MW-5.2-0816 05	8/16/05	1355	GW	GB	3	C	X										*1 Use Silica Gel Cleanup
		MW-5.2-0816 05	8/16/05	1355	GW	GB	6	C		X									*2 Metals, dissolved Field Filtered
		MW-5.2-0816 05	8/16/05	1355	GW	GB	3	C			X								*3 Run MS/MSD on this Sample
		MW-5.2-0816 05	8/16/05	1355	GW	GB	3	C				X							
		MW-5.2-0816 05	8/16/05	1355	GW	P	3	HNO3					X						
N/A		Temperature	8/16/05	—	W	P	1	C						X					1 per cooler
																			5.0°C
																			HW 8-18-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: [signature]	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

ORIGINAL - Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton - Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Page ___ of ___ | Chain of Custody No. 4159

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd & TPHg	8270C SVOCs	8082 PCB Congeners	8310 PAH	6020B/7471 Metals	Temperature	~~Temperature~~				Comments
									*1				*2						
181341-007		MW-DUP-2-0816 05	8/16/05	—	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
		MW-DUP-2-0816 05	8/16/05	—	GW	GB	2	C		X									*2 Metals, dissolved Field Filtered
		MW-DUP-2-0816 05	8/16/05	—	GW	GB	1	C			X								
		MW-DUP-2-0816 05	8/16/05	—	GW	GB	1	C				X							
		MW-DUP-2-0816 05	8/16/05	—	GW	P	1	HNO3					X						
N/A		Temperature	8/16/05	—	W	P	1	C						X					one per cooler
																			2.5°C
																			JAN 8-18-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: Jody E. Winter	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 160170J
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton - Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Page ___ of ___ | Chain of Custody # 4382

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd+TPHg (*1)	8270C SVOCs	8082 PCB Congeners	8310 PAH	6020B/7471 Metals (*2)	Temperature					Comments
181341-008		MW-5.3-08 16 05	8/16/05	1515	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
↓		MW-5.3-08 16 05	8/16/05	1515	GW	GB	2	C		X									*2 Metals, dissolved Field Filter
↓		MW-5.3-08 16 05	8/16/05	1515	GW	GB	1	C			X								
↓		MW-5.3-08 16 05	8/16/05	1515	GW	GB	1	C				X							
↓		MW-5.3-08 16 05	8/16/05	1515	GW	P	1	HNO3					X						
N/A		Temperature	8/16/05	—	W	P	1	C						X					1 per cooler
																			3.4°C
																			JAW 8-18-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: [illegible]	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polyethylene; GJ - Glass Jar; SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

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Geotracker Global ID T0604591192

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

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Send Results to:
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El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

☐ Preliminary Fax Result
☒ Sample Receipt/ Log-In Confirmation
☒ Electronic Data Deliverables
☒ Geotracker EDF
☐ Raw Data Deliverables
☐ Call with Verbal Results

Requested Analysis: 8015B TPHd+TPHO; 8270C SVOCs; 8082 PCB Congeners; 8310 PAH; 6020B/7471 Metals; Temperature

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	*1				*2						Comments
181341-009		MW-5,4-08 16 05	8/16/05	1555	GW	GB	1	C	X										*1 use Silica Gel Cleanup
↓		MW-5,4-08 16 05	8/16/05	1555	GW	GB	2	C		X									*2 Metals, dissolved Field Filtered
		MW-5,4-08 16 05	8/16/05	1555	GW	GB	1	C			X								
		MW-5,4-08 16 05	8/16/05	1555	GW	GB	1	C				X							
		MW-5,4-08 16 05	8/16/05	1555	GW	P	1	HNO3					X						
N/A		Temperature	8/16/05	—	W	P	1	C						X					1 per cooler
																			6.3°C
																			JGW 8-18-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: [signature]	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polyethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tediar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

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Geotracker Global ID T0604591192

[X] Standard TAT [ ] RUSH TAT [ ] 24 hr. TAT [ ] 48 hr. TAT [ ] 72 hr. TAT [X] 5 day TAT

Page ___ of ___ | Chain of Custody N 4279

Send Results to:
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Attn.: Jeff Heglie

[ ] Preliminary Fax Result
[X] Sample Receipt/ Log-In Confirmation
[X] Electronic Data Deliverables
[X] Geotracker EDF
[ ] Raw Data Deliverables
[ ] Call with Verbal Results

Requested Analysis: 8015B TPHd + TPHo; 8270C SVOC's; 8082 PCB Congeners; 8310 PAH; 6020B/7471 Metals; Temperature

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	*1				*2						Comments
		MW-3.7-08 17 05	8/17/05	0820	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
		MW-3.7-08 17 05	8/17/05	0820	GW	GB	2	C		X									*2 Metals, dissolved Field Filtered
		MW-3.7-08 17 05	8/17/05	0820	GW	GB	1	C			X								
		MW-3.7-08 17 05	8/17/05	0820	GW	GB	1	C				X							
		MW-3.7-08 17 05	8/17/05	0820	GW	P	1	HNO_3					X						
		Temperature Blank	8/17/05	—	W	P	1	C						X					3.9°C
																			JAW 8-18-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: [signature]	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01 Receiving Lab: Curtis + Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

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- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd + TPHg	8270C SVOC's	8082 PCB Congeners	8310 PAH	6020B/7471 Metals	Temperature					Comments
									*1				*2						
181341-011		MW-3.8-08 17 05	8/17/05	0905	GW	GB	1	C	X										*1 use Silica Gel Cleanup
		MW-3.8-08 17 05	8/17/05	0905	GW	GB	2	C		X									*2 Metals, dissolved Field Filtered
		MW-3.8-08 17 05	8/17/05	0905	GW	GB	1	C			X								
		MW-3.8-08 17 05	8/17/05	0905	GW	GB	1	C				X							
		MW-3.8-08 17 05	8/17/05	0905	GW	P	1	HNO_3					X						
N/A		Temperature	8/17/05	—	W	P	1	C						X					3.3°C
																			JWW 8-18-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: [signature]	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polyethelyene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01 Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

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Geotracker Global ID T0604591192

[X] Standard TAT [ ] RUSH TAT [ ] 24 hr. TAT [ ] 48 hr. TAT [ ] 72 hr. TAT [X] 5 day TAT

Page of | Chain of Custody # 4282

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[ ] Preliminary Fax Result
[X] Sample Receipt/ Log-In Confirmation
[X] Electronic Data Deliverables
[X] Geotracker EDF
[ ] Raw Data Deliverables
[ ] Call with Verbal Results

Requested Analysis: 8015B TPHd + TPHo; 8270C SVOCs; 8082 PCB Congeners; 8310 PAH; 6020B/7471 Metals; Temperature

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	*1				*2						Comments
181341-012		MW-3.9-08 17 05	8/17/05	0957	GW	GB	1	C	X										*1 use Silica Gel cleanup
		MW-3.9-08 17 05	8/17/05	0957	GW	GB	2	C		X									*2 Metals, dissolved Field Filtered
		MW-3.9-08 17 05	8/17/05	0957	GW	GB	1	C			X								
		MW-3.9-08 17 05	8/17/05	0957	GW	GB	1	C				X							
		MW-3.9-08 17 05	8/17/05	0957	GW	P	1	HNO3					X						
N/A		Temperature	8/17/05	—	W	P	1	C						X					one per cooler
																			2.0°C
																			Fav 8-18-

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carvall	8/17/05	1430	Relinquished by:		
Received by: Troy E Wait	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tediar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01 Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carvall (Print Name) Thomas Carvall (Signature)

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Geotracker Global ID T0604591192

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

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Send Results to:
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El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd & TPHg	8270C SVOCs	8082 PCB Congeners	8310 PAH	6020B/7471 Metals	Temperature					Comments
									#1				#2						
181341-013		MW-5.5-08 17 05	8/17/05	1050	GW	GB	1	C	X										#1 use Silica Gel Cleanup
		MW-5.5-08 17 05	8/17/05	1050	GW	GB	2	C		X									#2 Metals, dissolved Field Filtered
		MW-5.5-08 17 05	8/17/05	1050	GW	GB	1	C			X								
		MW-5.5-08 17 05	8/17/05	1050	GW	GB	1	C				X							
		MW-5.5-08 17 05	8/17/05	1050	GW	P	1	HNO3					X						
N/A		Temperature	8/17/05	—	W	P	1	C						X					2.6°C
																			JGW 8-18-05
		One of the 1L ambers arrived broken																	
											JGW 8-18-05								

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: Jacy Edwards	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polyethylene; GJ - Glass Jar; SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

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Geotracker Global ID T0604591192

[X] Standard TAT [ ] RUSH TAT [ ] 24 hr. TAT [ ] 48 hr. TAT [ ] 72 hr. TAT [X] 5 day TAT

Page ___ of ___ | Chain of Custody No. 4389

Send Results to:
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Attn.: Jeff Heglie

[ ] Preliminary Fax Result
[X] Sample Receipt/ Log-In Confirmation
[X] Electronic Data Deliverables
[X] Geotracker EDF
[ ] Raw Data Deliverables
[ ] Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd + TPHO	8270C SVOC's	8082 PCB Congeners	8310 PAH	6020B/7471 Metals	Temperature					Comments
									*1				*2						
181341-014		MW-5.6-08 17 05	8/17/05	1147	GW	GB	1	C	X										*1. Use Silica Gel Cleanup
		MW-5.6-08 17 05	8/17/05	1147	GW	GB	2	C		X									*2. Metals, dissolved Field Filtered
		MW-5.6-08 17 05	8/17/05	1147	GW	GB	1	C			X								
		MW-5.6-08 17 05	8/17/05	1147	GW	GB	1	C				X							
		MW-5.6-08 17 05	8/17/05	1147	GW	P	1	HNO3					X						
N/A		Temperature	8/17/05	—	W	P	1	C						X					1 per cooler
																			7.2°C
																			JGW 8-18-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: [signature]	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

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Geotracker Global ID T0604591192

[X] Standard TAT [ ] RUSH TAT [ ] 24 hr. TAT [ ] 48 hr. TAT [ ] 72 hr. TAT [X] 5 day TAT

Page of | Chain of Custody N 4390

Send Results to:
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(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

[ ] Preliminary Fax Result
[X] Sample Receipt/ Log-In Confirmation
[X] Electronic Data Deliverables
[X] Geotracker EDF
[ ] Raw Data Deliverables
[ ] Call with Verbal Results

Requested Analysis: 8015B TPHd + TPHo; 8270C SVOCs; 8082 PCB Congeners; 8310 PAH; 6020B/7471 Metals; Temperature

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	*1				*2						Comments
181341-015		MW-5.7-08 17 05	8/17/05	1245	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
↓		MW-5.7-08 17 05	8/17/05	1245	GW	GB	2	C		X									*2 Metals, dissolved Field Filtered
		MW-5.7-08 17 05	8/17/05	1245	GW	GB	1	C			X								
		MW-5.7-08 17 05	8/17/05	1245	GW	GB	1	C				X							
		MW-5.7-08 17 05	8/17/05	1245	GW	P	1	HNO3					X						
N/A		Temperature	8/17/05	—	W	P	1	C						X					3.3°C
																			FGW 8-18-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/17/05	1430	Relinquished by:		
Received by: [signature]	8-18-05	1400	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tediar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis + Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

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16017.01/8

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A N A L Y T I C A L R E P O R T

Prepared for:

Acton Mickelson Environmental
5175 Hillsdale Cir
El Dorado Hills, CA 95762

RECEIVED
SEP 27 2005
By

Date: 12-SEP-05
Lab Job Number: 181361
Project ID: 16017.01
Location: Former GA-Pacific Sawmill

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

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CASE NARRATIVE

Laboratory number:	**181361**
Client:	**Acton Mickelson Environmental**
Project:	**16017.01**
Location:	**Former GA-Pacific Sawmill**
Request Date:	**08/19/05**
Samples Received:	**08/19/05**

This hardcopy data package contains sample and QC results for nine water samples, requested for the above referenced project on 08/19/05. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
Diesel C10-C24 was detected between the MDL and the RL in the method blank for batch 105027; this analyte was not detected in samples at or above the RL. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
Naphthalene, 1,2,4-trichlorobenzene, and chloroform were detected between the MDL and the RL in the method blank for batch 105118; these analytes were not detected in samples at or above the RL. No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):
Response exceeding the instrument's linear range was observed for 2,4,6-tribromophenol in MW-4.4-081705 (lab # 181361-004); affected data was qualified with "b". Low surrogate recovery was observed for phenol-d5 in MW-4.4-081705 (lab # 181361-004), due to matrix interference; the low surrogate recovery was confirmed by re-analysis. High surrogate recoveries were observed for 2,4,6-tribromophenol and 2-fluorobiphenyl, due to matrix interference; these high surrogate recoveries were confirmed by re-analysis, and no target analytes were detected at or above RL in the sample. No other analytical problems were encountered.

Polychlorinated Biphenyl Congeners (EPA 8082):
No analytical problems were encountered.

Polynuclear Aromatics by HPLC (EPA 8310):
No analytical problems were encountered.

Metals (EPA 6020 and EPA 7470A):
Low recovery was observed for zinc in the MS of MW2.1-081505 (lab # 181301-002); the BS/BSD were within limits, and the associated RPD was within limits. Metals reprocessed 23-Sept-05 for lowest possible reporting limits. No other analytical problems were encountered.

#
68.1

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Total Volatile Hydrocarbons

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	104981
Units:	ug/L	Received:	08/19/05
Diln Fac:	1.000		

Field ID:	MW-4.1-081805	Sampled:	08/18/05
Type:	SAMPLE	Analyzed:	08/19/05
Lab ID:	181361-001		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	63-141
Bromofluorobenzene (FID)	124	79-139

Field ID:	MW-4.2-081805	Sampled:	08/18/05
Type:	SAMPLE	Analyzed:	08/19/05
Lab ID:	181361-002		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	63-141
Bromofluorobenzene (FID)	121	79-139

Field ID:	MW-4.3-081705	Sampled:	08/17/05
Type:	SAMPLE	Analyzed:	08/19/05
Lab ID:	181361-003		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	63-141
Bromofluorobenzene (FID)	123	79-139

Field ID:	MW-4.4-081705	Sampled:	08/17/05
Type:	SAMPLE	Analyzed:	08/19/05
Lab ID:	181361-004		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	63-141
Bromofluorobenzene (FID)	125	79-139

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	104981
Units:	ug/L	Received:	08/19/05
Diln Fac:	1.000		

Field ID:	MW-5.8-081705	Sampled:	08/17/05
Type:	SAMPLE	Analyzed:	08/19/05
Lab ID:	181361-005		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	63-141
Bromofluorobenzene (FID)	117	79-139

Field ID:	MW-5.9-081805	Sampled:	08/18/05
Type:	SAMPLE	Analyzed:	08/20/05
Lab ID:	181361-006		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	63-141
Bromofluorobenzene (FID)	120	79-139

Field ID:	MW-7.1-081805	Sampled:	08/18/05
Type:	SAMPLE	Analyzed:	08/20/05
Lab ID:	181361-007		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	63-141
Bromofluorobenzene (FID)	122	79-139

Field ID:	MW-10.4-081805	Sampled:	08/18/05
Type:	SAMPLE	Analyzed:	08/20/05
Lab ID:	181361-008		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	63-141
Bromofluorobenzene (FID)	117	79-139

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	104981
Units:	ug/L	Received:	08/19/05
Diln Fac:	1.000		

Field ID:	MW-5.9-081805TB3	Sampled:	08/18/05
Type:	SAMPLE	Analyzed:	08/20/05
Lab ID:	181361-009		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	63-141
Bromofluorobenzene (FID)	124	79-139

Type:	BLANK	Analyzed:	08/19/05
Lab ID:	QC305657		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	63-141
Bromofluorobenzene (FID)	112	79-139

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305659	Batch#:	104981
Matrix:	Water	Analyzed:	08/19/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,980	99	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	137	63-141
Bromofluorobenzene (FID)	121	79-139

3.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Field ID:	MW-4.1-081805	Batch#:	104981
MSS Lab ID:	181361-001	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/19/05
Diln Fac:	1.000		

Type: MS Lab ID: QC305771

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	12.71	2,000	1,970	98	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	141	63-141
Bromofluorobenzene (FID)	129	79-139

Type: MSD Lab ID: QC305772

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,972	98	80-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	141	63-141
Bromofluorobenzene (FID)	138	79-139

RPD= Relative Percent Difference

4.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Analysis:	EPA 8015B
Project#:	16017.01		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/19/05

Field ID:	MW-4.1-081805	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181361-001	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/18/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	19
Motor Oil C24-C36	ND	300	76

Surrogate	%REC	Limits
Hexacosane	95	55-143

Field ID:	MW-4.2-081805	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181361-002	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/18/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	19
Motor Oil C24-C36	ND	300	76

Surrogate	%REC	Limits
Hexacosane	95	55-143

Field ID:	MW-4.3-081705	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181361-003	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/17/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	19
Motor Oil C24-C36	ND	300	76

Surrogate	%REC	Limits
Hexacosane	93	55-143

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

16.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Analysis:	EPA 8015B
Project#:	16017.01		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/19/05

Field ID:	MW-4.4-081705	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181361-004	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/17/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	19
Motor Oil C24-C36	ND	300	76

Surrogate	%REC	Limits
Hexacosane	97	55-143

Field ID:	MW-5.8-081705	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181361-005	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/17/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	19
Motor Oil C24-C36	ND	300	76

Surrogate	%REC	Limits
Hexacosane	98	55-143

Field ID:	MW-5.9-081805	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181361-006	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/18/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	19
Motor Oil C24-C36	ND	300	76

Surrogate	%REC	Limits
Hexacosane	92	55-143

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

16.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Analysis:	EPA 8015B
Project#:	16017.01		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	08/19/05

Field ID:	MW-7.1-081805	Prepared:	08/21/05
Type:	SAMPLE	Analyzed:	08/24/05
Lab ID:	181361-007	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Sampled:	08/18/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	19
Motor Oil C24-C36	ND	300	76

Surrogate	%REC	Limits
Hexacosane	97	55-143

Field ID:	MW-10.4-081805	Prepared:	08/22/05
Type:	SAMPLE	Analyzed:	08/23/05
Lab ID:	181361-008	Prep:	EPA 3510C
Batch#:	105058	Cleanup Method:	EPA 3630C
Sampled:	08/18/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	34
Motor Oil C24-C36	ND	300	55

Surrogate	%REC	Limits
Hexacosane	92	55-143

Type:	BLANK	Analyzed:	08/24/05
Lab ID:	QC305831	Prep:	EPA 3520C
Batch#:	105027	Cleanup Method:	EPA 3630C
Prepared:	08/21/05		

Analyte	Result	RL	MDL
Diesel C10-C24	29 J	50	13
Motor Oil C24-C36	ND	300	33

Surrogate	%REC	Limits
Hexacosane	104	55-143

Type:	BLANK	Analyzed:	08/23/05
Lab ID:	QC305967	Prep:	EPA 3510C
Batch#:	105058	Cleanup Method:	EPA 3630C
Prepared:	08/22/05		

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	34
Motor Oil C24-C36	ND	300	55

Surrogate	%REC	Limits
Hexacosane	83	55-143

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

16.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305832	Batch#:	105027
Matrix:	Water	Prepared:	08/21/05
Units:	ug/L	Analyzed:	08/24/05

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,946	78	50-133

Surrogate	%REC	Limits
Hexacosane	90	55-143

17.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8015B
Field ID:	MW5.2-081605	Batch#:	105027
MSS Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/21/05
Diln Fac:	1.000	Analyzed:	08/24/05

Type: MS
Lab ID: QC305833
Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<12.82	2,500	1,781	71	42-127

Surrogate	%REC	Limits
Hexacosane	83	55-143

Type: MSD
Lab ID: QC305834
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,817	73	42-127	2	45

Surrogate	%REC	Limits
Hexacosane	83	55-143

RPD= Relative Percent Difference

18.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3510C
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	105058
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Type: BS
Lab ID: QC305968
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,898	76	50-133

Surrogate	%REC	Limits
Hexacosane	75	55-143

Type: BSD
Lab ID: QC305969
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,509	100	50-133	28	40

Surrogate	%REC	Limits
Hexacosane	93	55-143

RPD= Relative Percent Difference

19.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.1-081805	Batch#:	105078
Lab ID:	181361-001	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/23/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

55.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.1-081805	Batch#:	105078
Lab ID:	181361-001	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/23/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	115	80-122
Toluene-d8	103	80-120
Bromofluorobenzene	106	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

55.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.2-081805	Batch#:	105078
Lab ID:	181361-002	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/23/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

56.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.2-081805	Batch#:	105078
Lab ID:	181361-002	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/23/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	116	80-122
Toluene-d8	104	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

56.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.3-081705	Batch#:	105078
Lab ID:	181361-003	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/23/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

57.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.3-081705	Batch#:	105078
Lab ID:	181361-003	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/23/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	117	80-122
Toluene-d8	104	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

57.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.4-081705	Batch#:	105118
Lab ID:	181361-004	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

58.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.4-081705	Batch#:	105118
Lab ID:	181361-004	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	116	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

58.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-5.8-081705	Batch#:	105118
Lab ID:	181361-005	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

59.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-5.8-081705	Batch#:	105118
Lab ID:	181361-005	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	117	80-122
Toluene-d8	104	80-120
Bromofluorobenzene	105	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

59.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-5.9-081805	Batch#:	105118
Lab ID:	181361-006	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

60.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-5.9-081805	Batch#:	105118
Lab ID:	181361-006	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	115	80-122
Toluene-d8	104	80-120
Bromofluorobenzene	105	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

60.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-7.1-081805	Batch#:	105118
Lab ID:	181361-007	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

61.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-7.1-081805	Batch#:	105118
Lab ID:	181361-007	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	117	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

61.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-10.4-081805	Batch#:	105118
Lab ID:	181361-008	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	0.1 J	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

62.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-10.4-081805	Batch#:	105118
Lab ID:	181361-008	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	119	80-122
Toluene-d8	103	80-120
Bromofluorobenzene	105	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

62.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-5.9-081805TB3	Batch#:	105118
Lab ID:	181361-009	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	1.0 J	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

63.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-5.9-081805TB3	Batch#:	105118
Lab ID:	181361-009	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	112	80-122
Toluene-d8	103	80-120
Bromofluorobenzene	103	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

63.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC306042	Batch#:	105078
Matrix:	Water	Analyzed:	08/23/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	21.02	84	75-121
Benzene	25.00	23.43	94	80-120
Trichloroethene	25.00	24.82	99	78-120
Toluene	25.00	24.94	100	80-120
Chlorobenzene	25.00	25.05	100	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	111	80-122
Toluene-d8	104	80-120
Bromofluorobenzene	99	80-124

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC306045	Batch#:	105078
Matrix:	Water	Analyzed:	08/23/05
Units:	ug/L		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

64.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC306045	Batch#:	105078
Matrix:	Water	Analyzed:	08/23/05
Units:	ug/L		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	111	80-122
Toluene-d8	104	80-120
Bromofluorobenzene	102	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

64.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	105118
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Type: BS Lab ID: QC306222

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	22.84	91	75-121
Benzene	25.00	23.55	94	80-120
Trichloroethene	25.00	25.83	103	78-120
Toluene	25.00	25.27	101	80-120
Chlorobenzene	25.00	25.34	101	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	110	80-122
Toluene-d8	104	80-120
Bromofluorobenzene	99	80-124

Type: BSD Lab ID: QC306223

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.15	97	75-121	6	20
Benzene	25.00	24.45	98	80-120	4	20
Trichloroethene	25.00	26.80	107	78-120	4	20
Toluene	25.00	25.67	103	80-120	2	20
Chlorobenzene	25.00	25.74	103	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	110	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-124

RPD= Relative Percent Difference

67.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC306224	Batch#:	105118
Matrix:	Water	Analyzed:	08/24/05
Units:	ug/L		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	0.1 J	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

65.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC306224	Batch#:	105118
Matrix:	Water	Analyzed:	08/24/05
Units:	ug/L		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	0.3 J	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	0.3 J	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	110	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	105	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

65.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-4.1-081805	Batch#:	105054
Lab ID:	181361-001	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/25/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	1.5
Phenol	ND	9.6	1.1
bis(2-Chloroethyl)ether	ND	9.6	0.62
2-Chlorophenol	ND	9.6	0.42
1,3-Dichlorobenzene	ND	9.6	0.32
1,4-Dichlorobenzene	ND	9.6	0.47
Benzyl alcohol	ND	9.6	0.56
1,2-Dichlorobenzene	ND	9.6	0.43
2-Methylphenol	ND	9.6	1.1
bis(2-Chloroisopropyl) ether	ND	9.6	0.80
4-Methylphenol	ND	9.6	0.41
N-Nitroso-di-n-propylamine	ND	9.6	1.4
Hexachloroethane	ND	9.6	0.40
Nitrobenzene	ND	9.6	0.57
Isophorone	ND	9.6	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.6	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.6	0.55
2,4-Dichlorophenol	ND	9.6	0.69
1,2,4-Trichlorobenzene	ND	9.6	0.31
Naphthalene	ND	9.6	0.26
4-Chloroaniline	ND	9.6	0.95
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.72
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.6	0.75
2,4,5-Trichlorophenol	ND	9.6	0.93
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.85
Dimethylphthalate	ND	9.6	0.24
Acenaphthylene	ND	9.6	0.43
2,6-Dinitrotoluene	ND	9.6	0.75
3-Nitroaniline	ND	19	0.70
Acenaphthene	ND	9.6	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.6	0.42
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.34
Fluorene	ND	9.6	0.17
4-Chlorophenyl-phenylether	ND	9.6	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.6	0.37
Azobenzene	ND	9.6	0.76
4-Bromophenyl-phenylether	ND	9.6	0.35
Hexachlorobenzene	ND	9.6	0.71
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.6	0.41
Anthracene	ND	9.6	0.29
Di-n-butylphthalate	ND	9.6	0.43

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

31.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-4.1-081805	Batch#:	105054
Lab ID:	181361-001	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/25/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.6	0.23
Pyrene	ND	9.6	0.38
Butylbenzylphthalate	ND	9.6	0.36
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.59
Chrysene	ND	9.6	0.27
bis(2-Ethylhexyl)phthalate	1.3 J	9.6	0.51
Di-n-octylphthalate	ND	9.6	0.17
Benzo(b)fluoranthene	ND	9.6	0.15
Benzo(k)fluoranthene	ND	9.6	0.40
Benzo(a)pyrene	ND	9.6	0.14
Indeno(1,2,3-cd)pyrene	ND	9.6	0.40
Dibenz(a,h)anthracene	ND	9.6	0.24
Benzo(g,h,i)perylene	ND	9.6	0.54

Surrogate	%REC	Limits
2-Fluorophenol	66	41-120
Phenol-d5	68	41-120
2,4,6-Tribromophenol	54	38-120
Nitrobenzene-d5	81	47-120
2-Fluorobiphenyl	85	44-120
Terphenyl-d14	64	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

31.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-4.2-081805	Batch#:	105054
Lab ID:	181361-002	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	1.5
Phenol	ND	9.6	1.1
bis(2-Chloroethyl)ether	ND	9.6	0.62
2-Chlorophenol	ND	9.6	0.42
1,3-Dichlorobenzene	ND	9.6	0.32
1,4-Dichlorobenzene	ND	9.6	0.47
Benzyl alcohol	ND	9.6	0.56
1,2-Dichlorobenzene	ND	9.6	0.43
2-Methylphenol	ND	9.6	1.1
bis(2-Chloroisopropyl) ether	ND	9.6	0.80
4-Methylphenol	ND	9.6	0.41
N-Nitroso-di-n-propylamine	ND	9.6	1.4
Hexachloroethane	ND	9.6	0.40
Nitrobenzene	ND	9.6	0.57
Isophorone	ND	9.6	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.6	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.6	0.55
2,4-Dichlorophenol	ND	9.6	0.69
1,2,4-Trichlorobenzene	ND	9.6	0.31
Naphthalene	ND	9.6	0.26
4-Chloroaniline	ND	9.6	0.95
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.72
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.6	0.75
2,4,5-Trichlorophenol	ND	9.6	0.93
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.85
Dimethylphthalate	ND	9.6	0.24
Acenaphthylene	ND	9.6	0.43
2,6-Dinitrotoluene	ND	9.6	0.75
3-Nitroaniline	ND	19	0.70
Acenaphthene	ND	9.6	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.6	0.42
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.34
Fluorene	ND	9.6	0.17
4-Chlorophenyl-phenylether	ND	9.6	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.6	0.37
Azobenzene	ND	9.6	0.76
4-Bromophenyl-phenylether	ND	9.6	0.35
Hexachlorobenzene	ND	9.6	0.71
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.6	0.41
Anthracene	ND	9.6	0.29
Di-n-butylphthalate	ND	9.6	0.43
Fluoranthene	ND	9.6	0.23

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

32.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-4.2-081805	Batch#:	105054
Lab ID:	181361-002	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
Pyrene	ND	9.6	0.38
Butylbenzylphthalate	ND	9.6	0.36
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.59
Chrysene	ND	9.6	0.27
bis(2-Ethylhexyl)phthalate	ND	9.6	0.51
Di-n-octylphthalate	ND	9.6	0.17
Benzo(b)fluoranthene	ND	9.6	0.15
Benzo(k)fluoranthene	ND	9.6	0.40
Benzo(a)pyrene	ND	9.6	0.14
Indeno(1,2,3-cd)pyrene	ND	9.6	0.40
Dibenz(a,h)anthracene	ND	9.6	0.24
Benzo(g,h,i)perylene	ND	9.6	0.54

Surrogate	%REC	Limits
2-Fluorophenol	61	41-120
Phenol-d5	66	41-120
2,4,6-Tribromophenol	83	38-120
Nitrobenzene-d5	76	47-120
2-Fluorobiphenyl	80	44-120
Terphenyl-d14	78	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

32.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-4.3-081705	Batch#:	105054
Lab ID:	181361-003	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/26/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.7	0.34
Phenol	ND	9.7	0.87
bis(2-Chloroethyl)ether	ND	9.7	0.52
2-Chlorophenol	ND	9.7	0.87
1,3-Dichlorobenzene	ND	9.7	0.54
1,4-Dichlorobenzene	ND	9.7	0.53
Benzyl alcohol	ND	9.7	0.47
1,2-Dichlorobenzene	ND	9.7	0.52
2-Methylphenol	ND	9.7	1.0
bis(2-Chloroisopropyl) ether	ND	9.7	0.42
4-Methylphenol	ND	9.7	1.0
N-Nitroso-di-n-propylamine	ND	9.7	0.49
Hexachloroethane	ND	9.7	0.45
Nitrobenzene	ND	9.7	0.46
Isophorone	ND	9.7	0.48
2-Nitrophenol	ND	19	1.1
2,4-Dimethylphenol	ND	9.7	0.94
Benzoic acid	ND	49	13
bis(2-Chloroethoxy)methane	ND	9.7	0.55
2,4-Dichlorophenol	ND	9.7	0.93
1,2,4-Trichlorobenzene	ND	9.7	0.49
Naphthalene	ND	9.7	0.53
4-Chloroaniline	ND	9.7	0.57
Hexachlorobutadiene	ND	9.7	0.38
4-Chloro-3-methylphenol	ND	9.7	0.97
2-Methylnaphthalene	ND	9.7	0.63
Hexachlorocyclopentadiene	ND	19	1.0
2,4,6-Trichlorophenol	ND	9.7	0.85
2,4,5-Trichlorophenol	ND	9.7	0.76
2-Chloronaphthalene	ND	9.7	0.44
2-Nitroaniline	ND	19	0.42
Dimethylphthalate	ND	9.7	0.44
Acenaphthylene	ND	9.7	0.37
2,6-Dinitrotoluene	ND	9.7	0.42
3-Nitroaniline	ND	19	0.49
Acenaphthene	ND	9.7	0.42
2,4-Dinitrophenol	ND	19	3.9
4-Nitrophenol	ND	19	0.57
Dibenzofuran	ND	9.7	0.62
2,4-Dinitrotoluene	ND	9.7	0.41
Diethylphthalate	ND	9.7	0.42
Fluorene	ND	9.7	0.46
4-Chlorophenyl-phenylether	ND	9.7	0.44
4-Nitroaniline	ND	19	0.58
4,6-Dinitro-2-methylphenol	ND	19	0.63
N-Nitrosodiphenylamine	ND	9.7	0.49
Azobenzene	ND	9.7	0.50
4-Bromophenyl-phenylether	ND	9.7	0.41
Hexachlorobenzene	ND	9.7	0.43
Pentachlorophenol	ND	19	0.52
Phenanthrene	ND	9.7	0.54
Anthracene	ND	9.7	0.45
Di-n-butylphthalate	ND	9.7	0.51

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

33.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-4.3-081705	Batch#:	105054
Lab ID:	181361-003	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/26/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.7	0.52
Pyrene	ND	9.7	0.54
Butylbenzylphthalate	ND	9.7	0.48
3,3'-Dichlorobenzidine	ND	19	0.52
Benzo(a)anthracene	ND	9.7	0.52
Chrysene	ND	9.7	0.45
bis(2-Ethylhexyl)phthalate	1.2 J	9.7	0.53
Di-n-octylphthalate	ND	9.7	0.41
Benzo(b)fluoranthene	ND	9.7	0.36
Benzo(k)fluoranthene	ND	9.7	0.49
Benzo(a)pyrene	ND	9.7	0.42
Indeno(1,2,3-cd)pyrene	ND	9.7	0.52
Dibenz(a,h)anthracene	ND	9.7	0.54
Benzo(g,h,i)perylene	ND	9.7	0.50

Surrogate	%REC	Limits
2-Fluorophenol	68	41-120
Phenol-d5	62	41-120
2,4,6-Tribromophenol	67	38-120
Nitrobenzene-d5	79	47-120
2-Fluorobiphenyl	80	44-120
Terphenyl-d14	70	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

33.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-4.4-081705	Batch#:	105054
Lab ID:	181361-004	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/25/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	1.5
Phenol	ND	9.6	1.1
bis(2-Chloroethyl)ether	ND	9.6	0.62
2-Chlorophenol	ND	9.6	0.42
1,3-Dichlorobenzene	ND	9.6	0.32
1,4-Dichlorobenzene	ND	9.6	0.47
Benzyl alcohol	ND	9.6	0.56
1,2-Dichlorobenzene	ND	9.6	0.43
2-Methylphenol	ND	9.6	1.1
bis(2-Chloroisopropyl) ether	ND	9.6	0.80
4-Methylphenol	ND	9.6	0.41
N-Nitroso-di-n-propylamine	ND	9.6	1.4
Hexachloroethane	ND	9.6	0.40
Nitrobenzene	ND	9.6	0.57
Isophorone	ND	9.6	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.6	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.6	0.55
2,4-Dichlorophenol	ND	9.6	0.69
1,2,4-Trichlorobenzene	ND	9.6	0.31
Naphthalene	ND	9.6	0.26
4-Chloroaniline	ND	9.6	0.95
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.72
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.6	0.75
2,4,5-Trichlorophenol	ND	9.6	0.93
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.85
Dimethylphthalate	ND	9.6	0.24
Acenaphthylene	ND	9.6	0.43
2,6-Dinitrotoluene	ND	9.6	0.75
3-Nitroaniline	ND	19	0.70
Acenaphthene	ND	9.6	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.6	0.42
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.34
Fluorene	ND	9.6	0.17
4-Chlorophenyl-phenylether	ND	9.6	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.6	0.37
Azobenzene	ND	9.6	0.76
4-Bromophenyl-phenylether	ND	9.6	0.35
Hexachlorobenzene	ND	9.6	0.71
Pentachlorophenol	ND	19	0.72

*= Value outside of QC limits; see narrative
J= Estimated value
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range
MDL= Method Detection Limit

34.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-4.4-081705	Batch#:	105054
Lab ID:	181361-004	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/25/05

Analyte	Result	RL	MDL
Phenanthrene	ND	9.6	0.41
Anthracene	ND	9.6	0.29
Di-n-butylphthalate	ND	9.6	0.43
Fluoranthene	ND	9.6	0.23
Pyrene	ND	9.6	0.38
Butylbenzylphthalate	ND	9.6	0.36
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.59
Chrysene	ND	9.6	0.27
bis(2-Ethylhexyl)phthalate	1.9 J	9.6	0.51
Di-n-octylphthalate	ND	9.6	0.17
Benzo(b)fluoranthene	ND	9.6	0.15
Benzo(k)fluoranthene	ND	9.6	0.40
Benzo(a)pyrene	ND	9.6	0.14
Indeno(1,2,3-cd)pyrene	ND	9.6	0.40
Dibenz(a,h)anthracene	ND	9.6	0.24
Benzo(g,h,i)perylene	ND	9.6	0.54

Surrogate	%REC	Limits
2-Fluorophenol	68	41-120
Phenol-d5	0 *	41-120
2,4,6-Tribromophenol	175 *	>LR b 38-120
Nitrobenzene-d5	85	47-120
2-Fluorobiphenyl	186 *	44-120
Terphenyl-d14	74	16-120

*= Value outside of QC limits; see narrative
J= Estimated value
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range
MDL= Method Detection Limit

34.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-5.8-081705	Batch#:	105054
Lab ID:	181361-005	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/25/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	1.5
Phenol	ND	9.6	1.1
bis(2-Chloroethyl)ether	ND	9.6	0.62
2-Chlorophenol	ND	9.6	0.42
1,3-Dichlorobenzene	ND	9.6	0.32
1,4-Dichlorobenzene	ND	9.6	0.47
Benzyl alcohol	ND	9.6	0.56
1,2-Dichlorobenzene	ND	9.6	0.43
2-Methylphenol	ND	9.6	1.1
bis(2-Chloroisopropyl) ether	ND	9.6	0.80
4-Methylphenol	ND	9.6	0.41
N-Nitroso-di-n-propylamine	ND	9.6	1.4
Hexachloroethane	ND	9.6	0.40
Nitrobenzene	ND	9.6	0.57
Isophorone	ND	9.6	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.6	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.6	0.55
2,4-Dichlorophenol	ND	9.6	0.69
1,2,4-Trichlorobenzene	ND	9.6	0.31
Naphthalene	ND	9.6	0.26
4-Chloroaniline	ND	9.6	0.95
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.72
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.6	0.75
2,4,5-Trichlorophenol	ND	9.6	0.93
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.85
Dimethylphthalate	ND	9.6	0.24
Acenaphthylene	ND	9.6	0.43
2,6-Dinitrotoluene	ND	9.6	0.75
3-Nitroaniline	ND	19	0.70
Acenaphthene	ND	9.6	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.6	0.42
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.34
Fluorene	ND	9.6	0.17
4-Chlorophenyl-phenylether	ND	9.6	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.6	0.37
Azobenzene	ND	9.6	0.76
4-Bromophenyl-phenylether	ND	9.6	0.35
Hexachlorobenzene	ND	9.6	0.71
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.6	0.41
Anthracene	ND	9.6	0.29
Di-n-butylphthalate	ND	9.6	0.43
Fluoranthene	ND	9.6	0.23

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

35.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-5.8-081705	Batch#:	105054
Lab ID:	181361-005	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/25/05

Analyte	Result	RL	MDL
Pyrene	ND	9.6	0.38
Butylbenzylphthalate	ND	9.6	0.36
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.59
Chrysene	ND	9.6	0.27
bis(2-Ethylhexyl)phthalate	ND	9.6	0.51
Di-n-octylphthalate	ND	9.6	0.17
Benzo(b)fluoranthene	ND	9.6	0.15
Benzo(k)fluoranthene	ND	9.6	0.40
Benzo(a)pyrene	ND	9.6	0.14
Indeno(1,2,3-cd)pyrene	ND	9.6	0.40
Dibenz(a,h)anthracene	ND	9.6	0.24
Benzo(g,h,i)perylene	ND	9.6	0.54

Surrogate	%REC	Limits
2-Fluorophenol	62	41-120
Phenol-d5	64	41-120
2,4,6-Tribromophenol	44	38-120
Nitrobenzene-d5	74	47-120
2-Fluorobiphenyl	79	44-120
Terphenyl-d14	74	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

35.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-5.9-081805	Batch#:	105054
Lab ID:	181361-006	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/25/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.7	1.5
Phenol	ND	9.7	1.1
bis(2-Chloroethyl)ether	ND	9.7	0.63
2-Chlorophenol	ND	9.7	0.43
1,3-Dichlorobenzene	ND	9.7	0.32
1,4-Dichlorobenzene	ND	9.7	0.47
Benzyl alcohol	ND	9.7	0.57
1,2-Dichlorobenzene	ND	9.7	0.44
2-Methylphenol	ND	9.7	1.1
bis(2-Chloroisopropyl) ether	ND	9.7	0.81
4-Methylphenol	ND	9.7	0.42
N-Nitroso-di-n-propylamine	ND	9.7	1.4
Hexachloroethane	ND	9.7	0.40
Nitrobenzene	ND	9.7	0.57
Isophorone	ND	9.7	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.7	1.2
Benzoic acid	ND	49	20
bis(2-Chloroethoxy)methane	ND	9.7	0.56
2,4-Dichlorophenol	ND	9.7	0.70
1,2,4-Trichlorobenzene	ND	9.7	0.31
Naphthalene	ND	9.7	0.26
4-Chloroaniline	ND	9.7	0.96
Hexachlorobutadiene	ND	9.7	0.36
4-Chloro-3-methylphenol	ND	9.7	0.72
2-Methylnaphthalene	ND	9.7	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.7	0.76
2,4,5-Trichlorophenol	ND	9.7	0.94
2-Chloronaphthalene	ND	9.7	0.37
2-Nitroaniline	ND	19	0.86
Dimethylphthalate	ND	9.7	0.24
Acenaphthylene	ND	9.7	0.44
2,6-Dinitrotoluene	ND	9.7	0.75
3-Nitroaniline	ND	19	0.71
Acenaphthene	ND	9.7	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.7	0.43
2,4-Dinitrotoluene	ND	9.7	0.23
Diethylphthalate	ND	9.7	0.35
Fluorene	ND	9.7	0.17
4-Chlorophenyl-phenylether	ND	9.7	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.69
N-Nitrosodiphenylamine	ND	9.7	0.37
Azobenzene	ND	9.7	0.76
4-Bromophenyl-phenylether	ND	9.7	0.35
Hexachlorobenzene	ND	9.7	0.71
Pentachlorophenol	ND	19	0.73
Phenanthrene	ND	9.7	0.41
Anthracene	ND	9.7	0.29
Di-n-butylphthalate	ND	9.7	0.44

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

36.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-5.9-081805	Batch#:	105054
Lab ID:	181361-006	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/25/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.7	0.23
Pyrene	ND	9.7	0.39
Butylbenzylphthalate	ND	9.7	0.37
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.7	0.59
Chrysene	ND	9.7	0.27
bis(2-Ethylhexyl)phthalate	0.72 J	9.7	0.52
Di-n-octylphthalate	ND	9.7	0.18
Benzo(b)fluoranthene	ND	9.7	0.15
Benzo(k)fluoranthene	ND	9.7	0.40
Benzo(a)pyrene	ND	9.7	0.15
Indeno(1,2,3-cd)pyrene	ND	9.7	0.41
Dibenz(a,h)anthracene	ND	9.7	0.24
Benzo(g,h,i)perylene	ND	9.7	0.55

Surrogate	%REC	Limits
2-Fluorophenol	70	41-120
Phenol-d5	75	41-120
2,4,6-Tribromophenol	86	38-120
Nitrobenzene-d5	85	47-120
2-Fluorobiphenyl	91	44-120
Terphenyl-d14	83	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

36.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-7.1-081805	Batch#:	105054
Lab ID:	181361-007	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/25/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	1.5
Phenol	ND	9.6	1.1
bis(2-Chloroethyl)ether	ND	9.6	0.62
2-Chlorophenol	ND	9.6	0.42
1,3-Dichlorobenzene	ND	9.6	0.32
1,4-Dichlorobenzene	ND	9.6	0.47
Benzyl alcohol	ND	9.6	0.56
1,2-Dichlorobenzene	ND	9.6	0.43
2-Methylphenol	ND	9.6	1.1
bis(2-Chloroisopropyl) ether	ND	9.6	0.80
4-Methylphenol	ND	9.6	0.41
N-Nitroso-di-n-propylamine	ND	9.6	1.4
Hexachloroethane	ND	9.6	0.40
Nitrobenzene	ND	9.6	0.57
Isophorone	ND	9.6	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.6	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.6	0.55
2,4-Dichlorophenol	ND	9.6	0.69
1,2,4-Trichlorobenzene	ND	9.6	0.31
Naphthalene	ND	9.6	0.26
4-Chloroaniline	ND	9.6	0.95
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.72
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.6	0.75
2,4,5-Trichlorophenol	ND	9.6	0.93
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.85
Dimethylphthalate	ND	9.6	0.24
Acenaphthylene	ND	9.6	0.43
2,6-Dinitrotoluene	ND	9.6	0.75
3-Nitroaniline	ND	19	0.70
Acenaphthene	ND	9.6	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.6	0.42
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.34
Fluorene	ND	9.6	0.17
4-Chlorophenyl-phenylether	ND	9.6	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.6	0.37
Azobenzene	ND	9.6	0.76
4-Bromophenyl-phenylether	ND	9.6	0.35
Hexachlorobenzene	ND	9.6	0.71
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.6	0.41
Anthracene	ND	9.6	0.29
Di-n-butylphthalate	ND	9.6	0.43

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

37.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-7.1-081805	Batch#:	105054
Lab ID:	181361-007	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/25/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.6	0.23
Pyrene	ND	9.6	0.38
Butylbenzylphthalate	ND	9.6	0.36
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.59
Chrysene	ND	9.6	0.27
bis(2-Ethylhexyl)phthalate	0.80 J	9.6	0.51
Di-n-octylphthalate	ND	9.6	0.17
Benzo(b)fluoranthene	ND	9.6	0.15
Benzo(k)fluoranthene	ND	9.6	0.40
Benzo(a)pyrene	ND	9.6	0.14
Indeno(1,2,3-cd)pyrene	ND	9.6	0.40
Dibenz(a,h)anthracene	ND	9.6	0.24
Benzo(g,h,i)perylene	ND	9.6	0.54

Surrogate	%REC	Limits
2-Fluorophenol	65	41-120
Phenol-d5	68	41-120
2,4,6-Tribromophenol	64	38-120
Nitrobenzene-d5	81	47-120
2-Fluorobiphenyl	84	44-120
Terphenyl-d14	76	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

37.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-10.4-081805	Batch#:	105054
Lab ID:	181361-008	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/25/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	1.5
Phenol	ND	9.6	1.1
bis(2-Chloroethyl)ether	ND	9.6	0.62
2-Chlorophenol	ND	9.6	0.42
1,3-Dichlorobenzene	ND	9.6	0.32
1,4-Dichlorobenzene	ND	9.6	0.47
Benzyl alcohol	ND	9.6	0.56
1,2-Dichlorobenzene	ND	9.6	0.43
2-Methylphenol	ND	9.6	1.1
bis(2-Chloroisopropyl) ether	ND	9.6	0.80
4-Methylphenol	ND	9.6	0.41
N-Nitroso-di-n-propylamine	ND	9.6	1.4
Hexachloroethane	ND	9.6	0.40
Nitrobenzene	ND	9.6	0.57
Isophorone	ND	9.6	0.37
2-Nitrophenol	ND	19	1.6
2,4-Dimethylphenol	ND	9.6	1.1
Benzoic acid	ND	48	20
bis(2-Chloroethoxy)methane	ND	9.6	0.55
2,4-Dichlorophenol	ND	9.6	0.69
1,2,4-Trichlorobenzene	ND	9.6	0.31
Naphthalene	ND	9.6	0.26
4-Chloroaniline	ND	9.6	0.95
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.72
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.76
2,4,6-Trichlorophenol	ND	9.6	0.75
2,4,5-Trichlorophenol	ND	9.6	0.93
2-Chloronaphthalene	ND	9.6	0.36
2-Nitroaniline	ND	19	0.85
Dimethylphthalate	ND	9.6	0.24
Acenaphthylene	ND	9.6	0.43
2,6-Dinitrotoluene	ND	9.6	0.75
3-Nitroaniline	ND	19	0.70
Acenaphthene	ND	9.6	0.32
2,4-Dinitrophenol	ND	19	5.1
4-Nitrophenol	ND	19	1.2
Dibenzofuran	ND	9.6	0.42
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.34
Fluorene	ND	9.6	0.17
4-Chlorophenyl-phenylether	ND	9.6	0.29
4-Nitroaniline	ND	19	0.64
4,6-Dinitro-2-methylphenol	ND	19	0.68
N-Nitrosodiphenylamine	ND	9.6	0.37
Azobenzene	ND	9.6	0.76
4-Bromophenyl-phenylether	ND	9.6	0.35
Hexachlorobenzene	ND	9.6	0.71
Pentachlorophenol	ND	19	0.72
Phenanthrene	ND	9.6	0.41
Anthracene	ND	9.6	0.29
Di-n-butylphthalate	ND	9.6	0.43

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

38.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-10.4-081805	Batch#:	105054
Lab ID:	181361-008	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/25/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.6	0.23
Pyrene	ND	9.6	0.38
Butylbenzylphthalate	ND	9.6	0.36
3,3'-Dichlorobenzidine	ND	19	0.43
Benzo(a)anthracene	ND	9.6	0.59
Chrysene	ND	9.6	0.27
bis(2-Ethylhexyl)phthalate	0.67 J	9.6	0.51
Di-n-octylphthalate	ND	9.6	0.17
Benzo(b)fluoranthene	ND	9.6	0.15
Benzo(k)fluoranthene	ND	9.6	0.40
Benzo(a)pyrene	ND	9.6	0.14
Indeno(1,2,3-cd)pyrene	ND	9.6	0.40
Dibenz(a,h)anthracene	ND	9.6	0.24
Benzo(g,h,i)perylene	ND	9.6	0.54

Surrogate	%REC	Limits
2-Fluorophenol	68	41-120
Phenol-d5	70	41-120
2,4,6-Tribromophenol	67	38-120
Nitrobenzene-d5	83	47-120
2-Fluorobiphenyl	87	44-120
Terphenyl-d14	80	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

38.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305949	Batch#:	105054
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	10	0.96
Phenol	ND	10	0.42
bis(2-Chloroethyl)ether	ND	10	0.48
2-Chlorophenol	ND	10	0.66
1,3-Dichlorobenzene	ND	10	0.69
1,4-Dichlorobenzene	ND	10	0.56
Benzyl alcohol	ND	10	0.54
1,2-Dichlorobenzene	ND	10	0.37
2-Methylphenol	ND	10	1.0
bis(2-Chloroisopropyl) ether	ND	10	0.54
4-Methylphenol	ND	10	0.59
N-Nitroso-di-n-propylamine	ND	10	0.64
Hexachloroethane	ND	10	0.78
Nitrobenzene	ND	10	0.27
Isophorone	ND	10	0.49
2-Nitrophenol	ND	20	0.91
2,4-Dimethylphenol	ND	10	1.0
Benzoic acid	ND	50	0.13
bis(2-Chloroethoxy)methane	ND	10	0.53
2,4-Dichlorophenol	ND	10	0.42
1,2,4-Trichlorobenzene	ND	10	0.60
Naphthalene	ND	10	0.31
4-Chloroaniline	ND	10	2.3
Hexachlorobutadiene	ND	10	0.77
4-Chloro-3-methylphenol	ND	10	0.61
2-Methylnaphthalene	ND	10	0.67
Hexachlorocyclopentadiene	ND	20	0.32
2,4,6-Trichlorophenol	ND	10	1.1
2,4,5-Trichlorophenol	ND	10	1.1
2-Chloronaphthalene	ND	10	0.38
2-Nitroaniline	ND	20	0.78
Dimethylphthalate	ND	10	0.42
Acenaphthylene	ND	10	0.35
2,6-Dinitrotoluene	ND	10	0.45
3-Nitroaniline	ND	20	0.40
Acenaphthene	ND	10	0.34
2,4-Dinitrophenol	ND	20	0.44
4-Nitrophenol	ND	20	1.8
Dibenzofuran	ND	10	1.2
2,4-Dinitrotoluene	ND	10	0.31
Diethylphthalate	ND	10	0.33
Fluorene	ND	10	0.96
4-Chlorophenyl-phenylether	ND	10	0.79
4-Nitroaniline	ND	20	1.0
4,6-Dinitro-2-methylphenol	ND	20	1.1
N-Nitrosodiphenylamine	ND	10	0.30
Azobenzene	ND	10	0.60
4-Bromophenyl-phenylether	ND	10	0.49
Hexachlorobenzene	ND	10	0.57
Pentachlorophenol	ND	20	0.46
Phenanthrene	ND	10	0.58
Anthracene	ND	10	0.27
Di-n-butylphthalate	ND	10	0.38
Fluoranthene	ND	10	0.47

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

39.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305949	Batch#:	105054
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Pyrene	ND	10	0.55
Butylbenzylphthalate	ND	10	0.51
3,3'-Dichlorobenzidine	ND	20	0.45
Benzo(a)anthracene	ND	10	0.63
Chrysene	ND	10	0.69
bis(2-Ethylhexyl)phthalate	ND	10	1.2
Di-n-octylphthalate	ND	10	0.14
Benzo(b)fluoranthene	ND	10	0.45
Benzo(k)fluoranthene	ND	10	0.52
Benzo(a)pyrene	ND	10	0.52
Indeno(1,2,3-cd)pyrene	ND	10	0.32
Dibenz(a,h)anthracene	ND	10	0.29
Benzo(g,h,i)perylene	ND	10	0.28

Surrogate	%REC	Limits
2-Fluorophenol	78	41-120
Phenol-d5	69	41-120
2,4,6-Tribromophenol	65	38-120
Nitrobenzene-d5	81	47-120
2-Fluorobiphenyl	75	44-120
Terphenyl-d14	67	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

39.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Matrix:	Water	Batch#:	105054
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Type: BS Lab ID: QC305950

Analyte	Spiked	Result	%REC	Limits
Phenol	100.0	76.86	77	43-120
2-Chlorophenol	100.0	81.97	82	51-120
1,4-Dichlorobenzene	50.00	24.45	49	36-120
N-Nitroso-di-n-propylamine	50.00	40.91	82	45-120
1,2,4-Trichlorobenzene	50.00	32.85	66	38-120
4-Chloro-3-methylphenol	100.0	84.65	85	48-120
Acenaphthene	50.00	41.79	84	43-120
4-Nitrophenol	100.0	105.2	105	43-120
2,4-Dinitrotoluene	50.00	43.44	87	46-120
Pentachlorophenol	100.0	101.5	101	35-120
Pyrene	50.00	39.53	79	38-120

Surrogate	%REC	Limits
2-Fluorophenol	80	41-120
Phenol-d5	78	41-120
2,4,6-Tribromophenol	94	38-120
Nitrobenzene-d5	87	47-120
2-Fluorobiphenyl	92	44-120
Terphenyl-d14	77	16-120

Type: BSD Lab ID: QC305951

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Phenol	100.0	76.78	77	43-120	0	25
2-Chlorophenol	100.0	82.24	82	51-120	0	24
1,4-Dichlorobenzene	50.00	24.12	48	36-120	1	35
N-Nitroso-di-n-propylamine	50.00	39.92	80	45-120	2	27
1,2,4-Trichlorobenzene	50.00	32.16	64	38-120	2	30
4-Chloro-3-methylphenol	100.0	83.09	83	48-120	2	25
Acenaphthene	50.00	40.86	82	43-120	2	24
4-Nitrophenol	100.0	102.1	102	43-120	3	23
2,4-Dinitrotoluene	50.00	42.73	85	46-120	2	24
Pentachlorophenol	100.0	99.86	100	35-120	2	28
Pyrene	50.00	39.06	78	38-120	1	24

Surrogate	%REC	Limits
2-Fluorophenol	81	41-120
Phenol-d5	79	41-120
2,4,6-Tribromophenol	95	38-120
Nitrobenzene-d5	87	47-120
2-Fluorobiphenyl	90	44-120
Terphenyl-d14	77	16-120

RPD= Relative Percent Difference

40.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-4.1-081805	Batch#:	105026
Lab ID:	181361-001	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	89	37-140
BZ# 205	84	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

5.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-4.2-081805	Batch#:	105026
Lab ID:	181361-002	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.019
BZ# 52	ND	0.048	0.018
BZ# 44	ND	0.048	0.0096
BZ# 66	ND	0.048	0.0097
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.011
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0098
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.010
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.012
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	85	37-140
BZ# 205	84	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

6.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-4.3-081705	Batch#:	105026
Lab ID:	181361-003	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.012
BZ# 18	ND	0.049	0.025
BZ# 28	ND	0.049	0.020
BZ# 52	ND	0.049	0.019
BZ# 44	ND	0.049	0.0097
BZ# 66	ND	0.049	0.0099
BZ# 101	ND	0.049	0.013
BZ# 81	ND	0.049	0.019
BZ# 77	ND	0.049	0.010
BZ# 123	ND	0.049	0.011
BZ# 118	ND	0.049	0.010
BZ# 114	ND	0.049	0.010
BZ# 153	ND	0.049	0.015
BZ# 105	ND	0.049	0.012
BZ# 138	ND	0.049	0.011
BZ# 187	ND	0.049	0.010
BZ# 126	ND	0.049	0.012
BZ# 128	ND	0.049	0.011
BZ# 167	ND	0.049	0.010
BZ# 156	ND	0.049	0.012
BZ# 157	ND	0.049	0.011
BZ# 180	ND	0.049	0.011
BZ# 170	ND	0.049	0.015
BZ# 169	ND	0.049	0.013
BZ# 189	ND	0.049	0.014
BZ# 195	ND	0.049	0.013
BZ# 206	ND	0.049	0.012
BZ# 209	ND	0.049	0.015

Surrogate	%REC	Limits
TCMX	96	37-140
BZ# 205	94	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

7.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-4.4-081705	Batch#:	105026
Lab ID:	181361-004	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	92	37-140
BZ# 205	87	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-5.8-081705	Batch#:	105026
Lab ID:	181361-005	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.019
BZ# 52	ND	0.048	0.018
BZ# 44	ND	0.048	0.0096
BZ# 66	ND	0.048	0.0097
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.011
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0098
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.010
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.012
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	100	37-140
BZ# 205	92	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

9.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-5.9-081805	Batch#:	105026
Lab ID:	181361-006	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	105	37-140
BZ# 205	94	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

10.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-7.1-081805	Batch#:	105026
Lab ID:	181361-007	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	102	37-140
BZ# 205	87	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

11.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-10.4-081805	Batch#:	105026
Lab ID:	181361-008	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.019
BZ# 52	ND	0.048	0.018
BZ# 44	ND	0.048	0.0096
BZ# 66	ND	0.048	0.0097
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.011
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0098
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.010
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.012
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	37	37-140
BZ# 205	69	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

12.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305827	Batch#:	105026
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/21/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.050	0.012
BZ# 18	ND	0.050	0.025
BZ# 28	ND	0.050	0.020
BZ# 52	ND	0.050	0.019
BZ# 44	ND	0.050	0.010
BZ# 66	ND	0.050	0.010
BZ# 101	ND	0.050	0.013
BZ# 81	ND	0.050	0.020
BZ# 77	ND	0.050	0.011
BZ# 123	ND	0.050	0.012
BZ# 118	ND	0.050	0.011
BZ# 114	ND	0.050	0.011
BZ# 153	ND	0.050	0.015
BZ# 105	ND	0.050	0.012
BZ# 138	ND	0.050	0.011
BZ# 187	ND	0.050	0.010
BZ# 126	ND	0.050	0.013
BZ# 128	ND	0.050	0.011
BZ# 167	ND	0.050	0.010
BZ# 156	ND	0.050	0.013
BZ# 157	ND	0.050	0.011
BZ# 180	ND	0.050	0.011
BZ# 170	ND	0.050	0.015
BZ# 169	ND	0.050	0.014
BZ# 189	ND	0.050	0.015
BZ# 195	ND	0.050	0.013
BZ# 206	ND	0.050	0.012
BZ# 209	ND	0.050	0.016

Surrogate	%REC	Limits
TCMX	63	37-140
BZ# 205	85	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

13.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305828	Batch#:	105026
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/21/05

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
BZ# 8	1.000	0.8210	82	50-150
BZ# 18	1.000	0.8434	84	50-150
BZ# 28	1.000	0.8973	90	50-150
BZ# 52	1.000	0.8038	80	50-150
BZ# 44	1.000	0.8317	83	50-150
BZ# 66	1.000	0.8917	89	50-150
BZ# 101	1.000	0.8679	87	50-150
BZ# 81	1.000	0.9865	99	50-150
BZ# 77	1.000	1.087 #	109	50-150
BZ# 123	1.000	0.8935	89	50-150
BZ# 118	1.000	0.8985	90	50-150
BZ# 114	1.000	0.9169	92	50-150
BZ# 153	1.000	0.8497	85	50-150
BZ# 105	1.000	0.9570	96	50-150
BZ# 138	1.000	0.8942	89	50-150
BZ# 187	1.000	0.8277	83	50-150
BZ# 126	1.000	1.042	104	50-150
BZ# 128	1.000	0.8940	89	50-150
BZ# 167	1.000	0.8994	90	50-150
BZ# 156	1.000	0.8962	90	50-150
BZ# 157	1.000	0.9132	91	50-150
BZ# 180	1.000	0.8291	83	50-150
BZ# 170	1.000	0.8657	87	50-150
BZ# 169	1.000	1.007	101	50-150
BZ# 189	1.000	0.9442	94	50-150
BZ# 195	1.000	0.8604	86	50-150
BZ# 206	1.000	0.7984	80	50-150
BZ# 209	1.000	0.8214	82	50-150

Surrogate	%REC	Limits
TCMX	71	37-140
BZ# 205	91	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements

14.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW2.1-081505	Batch#:	105026
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/21/05

Type: MS
Lab ID: QC305829
Cleanup Method: EPA 3665A

Analyte	MSS Result	Spiked	Result	%REC	Limits
BZ# 8	<0.01196	0.9901	0.8919	90	50-150
BZ# 18	<0.02432	0.9901	0.9045	91	50-150
BZ# 28	<0.01952	0.9901	0.9746	98	50-150
BZ# 52	<0.01853	0.9901	0.8558	86	50-150
BZ# 44	<0.009652	0.9901	0.8922	90	50-150
BZ# 66	<0.009834	0.9901	0.9594	97	50-150
BZ# 101	<0.01287	0.9901	0.9272	94	50-150
BZ# 81	<0.01904	0.9901	1.098	111	50-150
BZ# 77	<0.01027	0.9901	1.120 #	113	50-150
BZ# 123	<0.01108	0.9901	0.9543	96	50-150
BZ# 118	<0.01026	0.9901	0.9565	97	50-150
BZ# 114	<0.01010	0.9901	0.9350	94	50-150
BZ# 153	<0.01447	0.9901	0.9007	91	50-150
BZ# 105	<0.01160	0.9901	1.022	103	50-150
BZ# 138	<0.01062	0.9901	0.9583	97	50-150
BZ# 187	<0.009913	0.9901	0.8746	88	50-150
BZ# 126	<0.01229	0.9901	0.9364	95	50-150
BZ# 128	<0.01053	0.9901	0.9511	96	50-150
BZ# 167	<0.01005	0.9901	0.9566	97	50-150
BZ# 156	<0.01220	0.9901	0.9488	96	50-150
BZ# 157	<0.01061	0.9901	0.9656	98	50-150
BZ# 180	<0.01068	0.9901	0.8746	88	50-150
BZ# 170	<0.01442	0.9901	0.9143	92	50-150
BZ# 169	<0.01309	0.9901	1.067	108	50-150
BZ# 189	<0.01405	0.9901	0.9843	99	50-150
BZ# 195	<0.01261	0.9901	0.9074	92	50-150
BZ# 206	<0.01190	0.9901	0.8324	84	50-150
BZ# 209	<0.01531	0.9901	0.8574	87	50-150

Surrogate	%REC	Limits
TCMX	79	37-140
BZ# 205	90	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
RPD= Relative Percent Difference

15.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW2.1-081505	Batch#:	105026
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/21/05

Type: MSD
Lab ID: QC305830

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
BZ# 8	0.9615	0.8249	86	50-150	5	30
BZ# 18	0.9615	0.8249	86	50-150	6	30
BZ# 28	0.9615	0.8485	88	50-150	11	30
BZ# 52	0.9615	0.7597	79	50-150	9	30
BZ# 44	0.9615	0.7844	82	50-150	10	30
BZ# 66	0.9615	0.8171	85	50-150	13	30
BZ# 101	0.9615	0.8005	83	50-150	12	30
BZ# 81	0.9615	0.8602	89	50-150	21	30
BZ# 77	0.9615	0.9644 #	100	50-150	12	30
BZ# 123	0.9615	0.8011	83	50-150	15	30
BZ# 118	0.9615	0.8046	84	50-150	14	30
BZ# 114	0.9615	0.8170	85	50-150	11	30
BZ# 153	0.9615	0.7669	80	50-150	13	30
BZ# 105	0.9615	0.8470	88	50-150	16	30
BZ# 138	0.9615	0.8042	84	50-150	15	30
BZ# 187	0.9615	0.7413	77	50-150	14	30
BZ# 126	0.9615	0.9107	95	50-150	0	30
BZ# 128	0.9615	0.7900	82	50-150	16	30
BZ# 167	0.9615	0.7926	82	50-150	16	30
BZ# 156	0.9615	0.7886	82	50-150	16	30
BZ# 157	0.9615	0.8258	86	50-150	13	30
BZ# 180	0.9615	0.7674	80	50-150	10	30
BZ# 170	0.9615	0.7554	79	50-150	16	30
BZ# 169	0.9615	0.8655	90	50-150	18	30
BZ# 189	0.9615	0.8095	84	50-150	17	30
BZ# 195	0.9615	0.7401	77	50-150	17	30
BZ# 206	0.9615	0.6809	71	50-150	17	30
BZ# 209	0.9615	0.7016	73	50-150	17	30

Surrogate	%REC	Limits
TCMX	77	37-140
BZ# 205	80	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
RPD= Relative Percent Difference

15.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-4.1-081805	Batch#:	105025
Lab ID:	181361-001	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.95	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.95	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.007
Dibenz(a,h)anthracene	ND	0.19	0.008
Benzo(g,h,i)perylene	ND	0.19	0.009
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	88	58-132
1-Methylnaphthalene (F)	94	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

20.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-4.2-081805	Batch#:	105025
Lab ID:	181361-002	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.95	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.95	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.01
Dibenz(a,h)anthracene	ND	0.19	0.008
Benzo(g,h,i)perylene	ND	0.19	0.009
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	74	58-132
1-Methylnaphthalene (F)	81	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

21.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-4.3-081705	Batch#:	105025
Lab ID:	181361-003	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.95	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.95	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.01
Dibenz(a,h)anthracene	ND	0.19	0.008
Benzo(g,h,i)perylene	ND	0.19	0.009
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	80	58-132
1-Methylnaphthalene (F)	86	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

22.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-4.4-081705	Batch#:	105025
Lab ID:	181361-004	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.95	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.95	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.01
Dibenz(a,h)anthracene	ND	0.19	0.008
Benzo(g,h,i)perylene	ND	0.19	0.009
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	78	58-132
1-Methylnaphthalene (F)	85	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

23.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-5.8-081705	Batch#:	105025
Lab ID:	181361-005	Sampled:	08/17/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.95	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.95	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.01
Dibenz(a,h)anthracene	ND	0.19	0.008
Benzo(g,h,i)perylene	ND	0.19	0.009
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	78	58-132
1-Methylnaphthalene (F)	85	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

24.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-5.9-081805	Batch#:	105025
Lab ID:	181361-006	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.95	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.95	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.01
Dibenz(a,h)anthracene	ND	0.19	0.008
Benzo(g,h,i)perylene	ND	0.19	0.009
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	75	58-132
1-Methylnaphthalene (F)	81	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

25.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-7.1-081805	Batch#:	105025
Lab ID:	181361-007	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.95	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.95	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.01
Dibenz(a,h)anthracene	ND	0.19	0.008
Benzo(g,h,i)perylene	ND	0.19	0.009
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	76	58-132
1-Methylnaphthalene (F)	82	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

26.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-10.4-081805	Batch#:	105025
Lab ID:	181361-008	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	1.0	0.07
Acenaphthylene	ND	2.0	0.09
Acenaphthene	ND	1.0	0.06
Fluorene	ND	0.20	0.02
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.20	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.007
Benzo(b)fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.01
Dibenz(a,h)anthracene	ND	0.20	0.009
Benzo(g,h,i)perylene	ND	0.20	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	76	58-132
1-Methylnaphthalene (F)	81	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

27.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305823	Batch#:	105025
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/22/05

Analyte	Result	RL	MDL
Naphthalene	ND	1.0	0.07
Acenaphthylene	ND	2.0	0.09
Acenaphthene	ND	1.0	0.06
Fluorene	ND	0.20	0.02
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.20	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.007
Benzo(b)fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.20	0.009
Benzo(g,h,i)perylene	ND	0.20	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	86	58-132
1-Methylnaphthalene (F)	97	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

28.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305824	Batch#:	105025
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/22/05

Analyte	Spiked	Result	%REC	Limits
Naphthalene	10.00	8.453	85	67-120
Acenaphthylene	20.00	16.65	83	70-120
Acenaphthene	10.00	8.799	88	66-120
Fluorene	2.000	1.721	86	69-120
Phenanthrene	1.000	0.9262	93	63-120
Anthracene	1.000	0.9522	95	63-120
Benzo(k)fluoranthene	1.000	0.9185	92	65-124
Indeno(1,2,3-cd)pyrene	1.000	0.9267	93	62-123

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	80	58-132
1-Methylnaphthalene (F)	90	56-135

29.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW2.1-081505	Batch#:	105025
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Type: MS Lab ID: QC305825

Analyte	MSS Result	Spiked	Result	%REC	Limits
Naphthalene	<0.06891	9.524	8.023	84	42-122
Acenaphthylene	<0.09010	19.05	15.65	82	51-126
Acenaphthene	<0.06131	9.524	8.180	86	41-156
Fluorene	<0.01469	1.905	1.608	84	39-150
Phenanthrene	<0.008430	0.9524	0.8732	92	25-205
Anthracene	<0.007771	0.9524	0.8998	94	56-151
Benzo(k)fluoranthene	<0.004910	0.9524	0.8552	90	18-146
Indeno(1,2,3-cd)pyrene	<0.006091	0.9524	0.8611	90	55-159

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	81	58-132
1-Methylnaphthalene (F)	91	56-135

Type: MSD Lab ID: QC305826

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Naphthalene	9.524	7.427	78	42-122	8	36
Acenaphthylene	19.05	14.70	77	51-126	6	34
Acenaphthene	9.524	7.703	81	41-156	6	38
Fluorene	1.905	1.547	81	39-150	4	35
Phenanthrene	0.9524	0.8536	90	25-205	2	33
Anthracene	0.9524	0.8474	89	56-151	6	34
Benzo(k)fluoranthene	0.9524	0.8459	89	18-146	1	34
Indeno(1,2,3-cd)pyrene	0.9524	0.8545	90	55-159	1	33

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	75	58-132
1-Methylnaphthalene (F)	85	56-135

RPD= Relative Percent Difference

30.0

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Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181361	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW-4.1-081805	Units:	ug/L
Lab ID:	181361-001	Sampled:	08/18/05
Matrix:	Filtrate	Received:	08/19/05

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	2.0	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	4,200	50	50.00	105083	08/23/05	08/29/05	200.8	EPA 6020
Beryllium	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	2.7	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	1.000	105037	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	1.1	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	25	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

41.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181361	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW-4.2-081805	Diln Fac:	1.000
Lab ID:	181361-002	Sampled:	08/18/05
Matrix:	Filtrate	Received:	08/19/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	2.0	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	120	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	1.1	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105037	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	9.4	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

42.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181361	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW-4.3-081705	Diln Fac:	1.000
Lab ID:	181361-003	Sampled:	08/17/05
Matrix:	Filtrate	Received:	08/19/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	1.3	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	45	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105037	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	3.4	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

43.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181361	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW-4.4-081705	Diln Fac:	1.000
Lab ID:	181361-004	Sampled:	08/17/05
Matrix:	Filtrate	Received:	08/19/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	3.5	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	110	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	1.1	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105037	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	12	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

44.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181361	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW-5.8-081705	Diln Fac:	1.000
Lab ID:	181361-005	Sampled:	08/17/05
Matrix:	Filtrate	Received:	08/19/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	1.7	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	76	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105037	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	10	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

45.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181361	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW-5.9-081805	Units:	ug/L
Lab ID:	181361-006	Sampled:	08/18/05
Matrix:	Filtrate	Received:	08/19/05

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	260	2.0	2.000	105083	08/23/05	08/29/05	200.8	EPA 6020
Beryllium	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	1.3	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	1.000	105037	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	11	1.0	1.000	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

46.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181361	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW-7.1-081805	Diln Fac:	1.000
Lab ID:	181361-007	Sampled:	08/18/05
Matrix:	Filtrate	Received:	08/19/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	1.1	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	53	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105037	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	5.9	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

47.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181361	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW-10.4-081805	Diln Fac:	1.000
Lab ID:	181361-008	Sampled:	08/18/05
Matrix:	Filtrate	Received:	08/19/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Arsenic	8.0	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Barium	120	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Beryllium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cadmium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Chromium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Cobalt	3.0	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Copper	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Lead	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Mercury	ND	0.20	105037	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Nickel	1.0	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Selenium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Silver	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Thallium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Vanadium	ND	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020
Zinc	12	1.0	105083	08/23/05	08/26/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

48.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	METHOD
Project#:	16017.01	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	105037
Lab ID:	QC305875	Prepared:	08/22/05
Matrix:	Filtrate	Analyzed:	08/22/05
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

49.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	METHOD
Project#:	16017.01	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	105037
Matrix:	Filtrate	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC305876	5.000	5.260	105	80-120		
BSD	QC305877	5.000	4.830	97	80-120	9	20

RPD= Relative Percent Difference

51.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	METHOD
Project#:	16017.01	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	105037
Field ID:	ZZZZZZZZZZ	Sampled:	08/17/05
MSS Lab ID:	181342-002	Received:	08/18/05
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC305878	<0.07957	5.000	5.140	103	80-120		
MSD	QC305879		5.000	5.030	101	80-120	2	20

RPD= Relative Percent Difference

52.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	200.8
Project#:	16017.01	Analysis:	EPA 6020
Type:	BLANK	Diln Fac:	5.000
Lab ID:	QC306066	Batch#:	105083
Matrix:	Filtrate	Prepared:	08/23/05
Units:	ug/L	Analyzed:	08/26/05

Analyte	Result	RL
Antimony	ND	5.0
Arsenic	ND	5.0
Barium	ND	5.0
Beryllium	ND	5.0
Cadmium	ND	5.0
Chromium	ND	5.0
Cobalt	ND	5.0
Copper	ND	5.0
Lead	ND	5.0
Molybdenum	ND	5.0
Nickel	ND	5.0
Selenium	ND	5.0
Silver	ND	5.0
Thallium	ND	5.0
Vanadium	ND	5.0
Zinc	ND	5.0

ND= Not Detected
RL= Reporting Limit

50.1

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	200.8
Project#:	16017.01	Analysis:	EPA 6020
Matrix:	Filtrate	Batch#:	105083
Units:	ug/L	Prepared:	08/23/05
Diln Fac:	1.000		

Type: BS Lab ID: QC306067

Analyte	Spiked	Result	%REC	Limits	Analyzed
Antimony	100.0	101.0	101	80-120	08/26/05
Arsenic	100.0	101.3	101	80-120	08/26/05
Barium	100.0	102.8	103	80-120	08/26/05
Beryllium	100.0	103.8	104	80-120	08/26/05
Cadmium	100.0	100.7	101	80-120	08/26/05
Chromium	100.0	112.2	112	80-120	08/26/05
Cobalt	100.0	109.2	109	80-120	08/26/05
Copper	100.0	107.2	107	80-120	08/26/05
Lead	100.0	105.0	105	80-120	08/26/05
Molybdenum	100.0	102.5	103	80-120	08/26/05
Nickel	100.0	106.4	106	80-120	08/26/05
Selenium	100.0	94.47	94	80-120	08/26/05
Silver	100.0	106.2	106	80-120	08/26/05
Thallium	100.0	102.0	102	80-120	08/26/05
Vanadium	100.0	112.3	112	80-120	08/26/05
Zinc	100.0	100.5	101	80-120	08/29/05

Type: BSD Lab ID: QC306068

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
Antimony	100.0	100.7	101	80-120	0	20	08/26/05
Arsenic	100.0	102.4	102	80-120	1	20	08/26/05
Barium	100.0	102.6	103	80-120	0	20	08/26/05
Beryllium	100.0	105.3	105	80-120	1	20	08/26/05
Cadmium	100.0	100.9	101	80-120	0	20	08/26/05
Chromium	100.0	112.0	112	80-120	0	20	08/26/05
Cobalt	100.0	109.3	109	80-120	0	20	08/26/05
Copper	100.0	107.8	108	80-120	1	20	08/26/05
Lead	100.0	103.7	104	80-120	1	20	08/26/05
Molybdenum	100.0	102.1	102	80-120	0	20	08/26/05
Nickel	100.0	108.7	109	80-120	2	20	08/26/05
Selenium	100.0	95.65	96	80-120	1	20	08/26/05
Silver	100.0	107.2	107	80-120	1	20	08/26/05
Thallium	100.0	102.9	103	80-120	1	20	08/26/05
Vanadium	100.0	110.7	111	80-120	1	20	08/26/05
Zinc	100.0	98.09	98	80-120	2	20	08/29/05

RPD= Relative Percent Difference

53.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181361	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	200.8
Project#:	16017.01	Analysis:	EPA 6020
Field ID:	MW2.1-081505	Batch#:	105083
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Filtrate	Received:	08/17/05
Units:	ug/L	Prepared:	08/23/05
Diln Fac:	1.000	Analyzed:	08/26/05

Type: MS Lab ID: QC306069

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.3033	100.0	98.79	98	80-120
Arsenic	1.024	100.0	98.54	98	80-120
Barium	11.60	100.0	113.1	102	77-125
Beryllium	<0.05514	100.0	101.9	102	80-120
Cadmium	<0.1409	100.0	94.80	95	78-120
Chromium	0.9425	100.0	104.6	104	80-120
Cobalt	0.4452	100.0	101.8	101	80-120
Copper	0.7430	100.0	102.3	102	80-120
Lead	<0.2399	100.0	102.6	103	80-120
Molybdenum	0.2648	100.0	98.91	99	80-120
Nickel	0.3999	100.0	102.5	102	77-120
Selenium	0.7294	100.0	89.14	88	64-123
Silver	<0.04084	100.0	100.9	101	71-120
Thallium	0.1154	100.0	99.37	99	62-120
Vanadium	0.4369	100.0	105.9	105	78-130
Zinc	36.34	100.0	99.29	63 *	64-129

Type: MSD Lab ID: QC306070

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	97.74	97	80-120	1	20
Arsenic	100.0	97.33	96	80-120	1	20
Barium	100.0	113.2	102	77-125	0	20
Beryllium	100.0	99.40	99	80-120	2	20
Cadmium	100.0	93.60	94	78-120	1	20
Chromium	100.0	105.0	104	80-120	0	20
Cobalt	100.0	100.1	100	80-120	2	20
Copper	100.0	100.8	100	80-120	1	20
Lead	100.0	101.2	101	80-120	1	20
Molybdenum	100.0	98.78	99	80-120	0	20
Nickel	100.0	102.0	102	77-120	0	20
Selenium	100.0	89.06	88	64-123	0	20
Silver	100.0	99.37	99	71-120	2	20
Thallium	100.0	98.64	99	62-120	1	20
Vanadium	100.0	106.1	106	78-130	0	20
Zinc	100.0	121.1	85	64-129	20	28

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

54.0

Acton • Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

18361

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Page ___ of ___ | Chain of Custody No. 4283

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPH/DTPH	8270C SVOCs	8082 PCB Congeners	8310 PAH	6020B/7471 Metals	Temperature					Comments
									*1				*2						
		MW-4.1-08 18 05	8/18/05	0940	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
		MW-4.1-08 18 05	8/18/05	0940	GW	GB	2	C		X									*2 Metals dissolved Field Filtered
		MW-4.1-08 18 05	8/18/05	0940	GW	GB	1	C			X								
		MW-4.1-08 18 05	8/18/05	0940	GW	GB	1	C				X							
		MW-4.1-08 18 05	8/18/05	0940	GW	P	1	HNO_3					X						
		Temperature	8/18/05	—	W	P	1	C						X					1 percooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/18/05	1430	Relinquished by:		
Received by: [illegible]	8/19/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

Cooler Temp = 3.2°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton - Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591182

18|361

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Page ___ of ___ | Chain of Custody # 4284

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015 TPHd+TPHg	8270C SVOCs	8310 PAH	8082 PCB Congeners	6020B/7471 Metals	Temperature	*1	*2	Comments
		MW-4.2-08 18 05	8/18/05	0850	GW	GB	1	C	X								*1 Use Silica Gel Cleanup
		MW-4.2-08 18 05	8/18/05	0850	GW		2	C		X							*2 Metals, dissolved Field Filtered
		MW-4.2-08 18 05	8/18/05	0850			1	C			X						
		MW-4.2-08 18 05	8/18/05	0850			1	C				X					
		MW-4.2-08 18 05	8/18/05	0850		P	1	HNO3					X				
		Temperature	8/18/05	—	W	P	1	C						X			1 per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll			Relinquished by:		
Received by: [signature]	8/19	12:00	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 1601701
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) [signature] (Signature)

Cooler Temp = 2.4°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton - Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

Page	of	Chain of Custody # 4286

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☒ Raw Data Deliverables
- ☐ Call with Verbal Results

165361

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd + TPHg (#1)	8270C SVOC's	8082 PCB Congeners	8310 PAHs	6020B/7471 Metals (#2)	Temperature					Comments
		MW-4.3-08 17 05	8/17/05	1435	GW	GB	1	C	X										#1 use Silica Gel Cleanup
		MW-4.3-08 17 05	8/17/05	1435	GW	GB	2	C		X									#2 Metals, dissolved Field Filtered
3		MW-4.3-08 17 05	8/17/05	1435	GW	GB	1	C			X								
		MW-4.3-08 17 05	8/17/05	1435	GW	GB	1	C				X							
		MW-4.3-08 17 05	8/17/05	1435	GW	P	1	HNO_3					X						
		Temperature	8/ /05	—	W	P	1	C						X					1 per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/18/05	1430	Relinquished by:		
Received by: [illegible]	8/19/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis + Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Cooler Temp = 3.3°

Acton · Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

181361

Page ___ of ___	Chain of Custody

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Requested Analysis: 8015B TPHd & TPHo; 8270C SVOCs; 8082 PCB Congeners; 8310 PAH; 6020B/7471 Metals; Temperature

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	*1										Comments
-4		MW-4,4-08 17 05	8/17/05	1525	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
		MW-4,4-08 17 05	8/17/05	1525	GW	GB	2	C		X									*2 Metals, dissolved Field Filtered
		MW-4,4-08 17 05	8/17/05	1525	GW	GB	1	C			X								
		MW-4,4-08 17 05	8/17/05	1525	GW	GB	1	C				X							
		MW-4,4-08 17 05	8/17/05	1525	GW	P	1	HNO3					X						
		Temperature	8/ /05	—	W	P	1	C						X					1 per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/18/05	1430	Relinquished by:		
Received by: [signature]	8/19/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

Cooler Temp = 2.2°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

181361

Page ___ of ___	Chain of Custody N° 4391

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Requested Analysis: 8015B TPH & TPHD; 8270C SVOC's; 8082 PCB Congeners; 8310 PAH; 6020B/7471 Metals; Temperature

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	*1				*2						Comments
5		MW-5.8-08 17 05	8/17/05	1335	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
		MW-5.8-08 17 05	8/17/05	1335	GW	GB	2	C		X									*2 Metals, dissolved Field Filtered
		MW-5.8-08 17 05	8/17/05	1335	GW	GB	1	C			X								
		MW-5.8-08 17 05	8/17/05	1335	GW	GB	1	C				X							
		MW-5.8-08 17 05	8/17/05	1335	GW	P	1	HNO3					X						
		Temperature	8/17/05	—	W	P	1	C						X					

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/18/05	1430	Relinquished by:		
Received by: [signature]	8/19/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

Cooler Temp = 2.3°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton • Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

181361

[X] Standard TAT [ ] RUSH TAT [ ] 24 hr. TAT [ ] 48 hr. TAT [ ] 72 hr. TAT [X] 5 day TAT

Page ___ of ___ | Chain of Custody No. 4393

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- [ ] Preliminary Fax Result
- [X] Sample Receipt/ Log-In Confirmation
- [X] Electronic Data Deliverables
- [X] Geotracker EDF
- [ ] Raw Data Deliverables
- [ ] Call with Verbal Results

Requested Analysis: 8015B TPHd & TPHd; 8270C SVOCs; 8082 PCB Congeners; 8310 PAH; 6020B/7471 Metals; Temperature

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	*1				*2						Comments
6		MW-5.9-08 18 05	8/18/05	0810	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
		MW-5.9-08 18 05	8/18/05	0810	GW	GB	2	C		X									*2 Metals dissolved Field Filtered
		MW-5.9-08 18 05	8/18/05	0810	GW	GB	1	C			X								
		MW-5.9-08 18 05	8/18/05	0810	GW	GB	1	C				X							
		MW-5.9-08 18 05	8/18/05	0810	GW	P	1	HNO_3					X						
		Temperature	8/18/05	—	W	P	1	C						X					1 per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/18/05	1430	Relinquished by:		
Received by: [signature]	8/19/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis + Tompkin
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Cooler Temp = 2°

Acton - Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

[X] Standard TAT [ ] RUSH TAT [ ] 24 hr. TAT [ ] 48 hr. TAT [ ] 72 hr. TAT [X] 5 day TAT

Page 1 of 2 | Chain of Custody N 4394

181361

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- [ ] Preliminary Fax Result
- [X] Sample Receipt/ Log-In Confirmation
- [X] Electronic Data Deliverables
- [X] Geotracker EDF
- [ ] Raw Data Deliverables
- [ ] Call with Verbal Results

Requested Analysis: 8015B TPHd & TPHo; 8270C SVOC's; 8082 PCB Congeners; 8310 PAH; 6020B/7471 Metals; Temperature

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	*1				*2						Comments
-1		MW-7.1-08 18 05	8/18/05	1020	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
		MW-7.1-08 18 05	8/18/05	1020	GW	GB	2	C		X									*2 Metals, dissolved Field Filtered
		MW-7.1-08 18 05	8/18/05	1020	GW	GB	1	C			X								
		MW-7.1-08 18 05	8/18/05	1020	GW	GB	1	C				X							
		MW-7.1-08 18 05	8/18/05	1020	GW	P	1	HNO3					X						
		Temperature	8/18/05	—	W	P	1	C						X					1 per cooler

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/18/05	1430	Relinquished by:		
Received by: [signature]	8/19/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Cooler Temp = 2°

Acton Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

181361

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Page 2 of 2

Chain of Custody # 4398

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPH d + TPH o (*1)	8270C SVOCs	8082 PCB Congeners	8310 PAHs	6020B/7471 Metals (*2)	Temperature					Comments
		MW-10.4-08 18 05	8/18/05	1118	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
		MW-10.4-08 18 05	8/18/05	1118	GW	GB	2	C		X									*2 Metals, dissolved Field Filtered
		MW-10.4-08 18 05	8/18/05	1118	GW	GB	1	C			X								
		MW-10.4-08 18 05	8/18/05	1118	GW	GB	1	C				X							
		MW-10.4-08 18 05	8/18/05	1118	GW	P	1	HNO_3					X						
		Temperature	8/18/05	—	W	P	1	C						X					

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/18/05	1430	Relinquished by:		
Received by: [illegible]	8/19/05	12:00	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis + Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

Cooler Temp = 2°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Acton - Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

181361

☒ Standard TAT ☐ RUSH TAT ☐ 24 hr. TAT ☐ 48 hr. TAT ☐ 72 hr. TAT ☒ 5 day TAT

Page 1 of 1 | Chain of Custody N 4374

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

- [ ] Preliminary Fax Result
- [x] Sample Receipt/ Log-In Confirmation
- [x] Electronic Data Deliverables
- [x] Geotracker EDF
- [ ] Raw Data Deliverables
- [ ] Call with Verbal Results

Requested Analysis: 8015B TPHg, 8260B VOC's, Temperature 1 per cooler

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	8015B TPHg	8260B VOC's *1								Comments
-9		MW5.9 -0818 05TB3	8/18/05	0860	W	V	6	HCL	X	X								*1 VOC's Low Level
-3		MW4.3 -081705	8/17/05	1435	GW	V	6	HCL	X	X								
-4		MW4.4-081705	8/17/05	1525	GW	V	6	HCL	X	X								
-5		MW5.8-081705	8/17/05	1335	GW	V	6	HCL	X	X								
-6		MW5.9-081805	8/18/05	0810	GW	V	6	HCL	X	X								
-2		MW4.2-081805	8/18/05	0850	GW	V	6	HCL	X	X								
-1		MW4.1 081805	8/18/05	0940	GW	V	6	HCL	X	X								
-7		MW7.1 081805	8/18/05	1020	GW	V	6	HCL	X	X								
-8		MW10.4-081805	8/18/05	1118	GW	V	6	HCL	X	X								

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/18/05	1430	Relinquished by:		
Received by: [signature]	8/19/05	1200	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01 Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

Cooler Temp = 2°

ORIGINAL – Laboratory (Return with Report) YELLOW - Laboratory PINK - Originator

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

FILE COPY
16017.01/8

ANALYTICAL REPORT

Prepared for:

Acton Mickelson Environmental
5175 Hillsdale Cir
El Dorado Hills, CA 95762

Date: 12-SEP-05
Lab Job Number: 181365
Project ID: 16017.01
Location: Former GA-Pacific Sawmill

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

RECEIVED
SEP 22 2005
By

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Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

CASE NARRATIVE

Laboratory number:	**181365**
Client:	**Acton Mickelson Environmental**
Project:	**16017.01**
Location:	**Former GA-Pacific Sawmill**
Request Date:	**08/19/05**
Samples Received:	**08/19/05**

This hardcopy data package contains sample and QC results for five water samples, requested for the above referenced project on 08/19/05. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
Naphthalene, 1,2,4-trichlorobenzene, and chloroform were detected between the MDL and the RL in the method blank for batch 105118; these analytes were not detected in samples at or above the RL. No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):
No analytical problems were encountered.

Polychlorinated Biphenyl Congeners (EPA 8082):
Low surrogate recoveries were observed for TCMX in a number of samples. The associated surrogate was acceptable. No other analytical problems were encountered.

Polynuclear Aromatics by HPLC (EPA 8310):
No analytical problems were encountered.

Metals (EPA 6020 and EPA 7470A):
Metals reprocessed 23-Sept-05 for lowest possible reporting limits. No analytical problems were encountered.

#

50.1

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Total Volatile Hydrocarbons

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	105018
Units:	ug/L	Received:	08/19/05
Diln Fac:	1.000	Analyzed:	08/21/05

Field ID: MW10.2081805TB4 Lab ID: 181365-001
Type: SAMPLE Sampled: 08/18/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	63-141
Bromofluorobenzene (FID)	120	79-139

Field ID: MW10.1-081805 Lab ID: 181365-002
Type: SAMPLE Sampled: 08/18/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	63-141
Bromofluorobenzene (FID)	118	79-139

Field ID: MW10.2-081805 Lab ID: 181365-003
Type: SAMPLE Sampled: 08/18/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	63-141
Bromofluorobenzene (FID)	118	79-139

ND= Not Detected
RL= Reporting Limit

2.0

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Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	105018
Units:	ug/L	Received:	08/19/05
Diln Fac:	1.000	Analyzed:	08/21/05

Field ID: MWDUP3081805 Lab ID: 181365-004
Type: SAMPLE Sampled: 08/18/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	63-141
Bromofluorobenzene (FID)	116	79-139

Field ID: SP3.1081905 Lab ID: 181365-005
Type: SAMPLE Sampled: 08/19/05

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	63-141
Bromofluorobenzene (FID)	121	79-139

Type: BLANK Lab ID: QC305801

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	63-141
Bromofluorobenzene (FID)	116	79-139

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305802	Batch#:	105018
Matrix:	Water	Analyzed:	08/21/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,960	98	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	63-141
Bromofluorobenzene (FID)	129	79-139

3.0

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Batch QC Report

Total Volatile Hydrocarbons

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8015B
Field ID:	MW10.2081805TB4	Batch#:	105018
MSS Lab ID:	181365-001	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/21/05
Diln Fac:	1.000		

Type: MS Lab ID: QC305803

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	15.80	2,000	2,003	99	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	63-141
Bromofluorobenzene (FID)	130	79-139

Type: MSD Lab ID: QC305804

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,985	98	80-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	63-141
Bromofluorobenzene (FID)	127	79-139

RPD= Relative Percent Difference

4.0

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Total Extractable Hydrocarbons

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/24/05
Diln Fac:	1.000	Analyzed:	08/25/05
Batch#:	105125		

Field ID: MW10.1-081805 Sampled: 08/18/05
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 181365-002

Analyte	Result	RL	MDL
Diesel C10-C24	24 J Y	50	19
Motor Oil C24-C36	ND	300	76

Surrogate	%REC	Limits
Hexacosane	110	55-143

Field ID: MW10.2-081805 Sampled: 08/18/05
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 181365-003

Analyte	Result	RL	MDL
Diesel C10-C24	21 J Y	50	19
Motor Oil C24-C36	ND	300	76

Surrogate	%REC	Limits
Hexacosane	104	55-143

Field ID: MWDUP3081805 Sampled: 08/18/05
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 181365-004

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	19
Motor Oil C24-C36	ND	300	76

Surrogate	%REC	Limits
Hexacosane	92	55-143

Field ID: SP3.1081905 Sampled: 08/19/05
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 181365-005

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	19
Motor Oil C24-C36	ND	300	76

Surrogate	%REC	Limits
Hexacosane	98	55-143

J= Estimated value
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

21.0

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Total Extractable Hydrocarbons

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/24/05
Diln Fac:	1.000	Analyzed:	08/25/05
Batch#:	105125		

Type: BLANK
Lab ID: QC306255
Cleanup Method: EPA 3630C

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	19
Motor Oil C24-C36	ND	300	76

Surrogate	%REC	Limits
Hexacosane	103	55-143

J= Estimated value
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

21.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	105125
Units:	ug/L	Prepared:	08/24/05
Diln Fac:	1.000	Analyzed:	08/25/05

Type: BS
Lab ID: QC306256
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,448	98	50-133

Surrogate	%REC	Limits
Hexacosane	100	55-143

Type: BSD
Lab ID: QC306257
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,573	103	50-133	5	40

Surrogate	%REC	Limits
Hexacosane	107	55-143

RPD= Relative Percent Difference

22.0

Curtis & Tompkins, Ltd.
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Purgeable Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW10.2081805TB4	Batch#:	105118
Lab ID:	181365-001	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	160	100	1.1
Acetone	11	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	1.3 J	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	0.3 J	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	1.5 J	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

33.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW10.2081805TB4	Batch#:	105118
Lab ID:	181365-001	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	113	80-122
Toluene-d8	103	80-120
Bromofluorobenzene	102	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

33.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW10.1-081805	Batch#:	105118
Lab ID:	181365-002	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

34.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW10.1-081805	Batch#:	105118
Lab ID:	181365-002	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	115	80-122
Toluene-d8	103	80-120
Bromofluorobenzene	103	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

34.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW10.2-081805	Batch#:	105118
Lab ID:	181365-003	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

35.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW10.2-081805	Batch#:	105118
Lab ID:	181365-003	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	115	80-122
Toluene-d8	103	80-120
Bromofluorobenzene	103	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

35.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MWDUP3081805	Batch#:	105118
Lab ID:	181365-004	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09
1,3,5-Trimethylbenzene	ND	0.5	0.1

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

36.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MWDUP3081805	Batch#:	105118
Lab ID:	181365-004	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	116	80-122
Toluene-d8	105	80-120
Bromofluorobenzene	105	80-124

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

36.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	SP3.1081905	Batch#:	105118
Lab ID:	181365-005	Sampled:	08/19/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	0.3 J	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	1.1	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	ND	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	0.1 J	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	1.6	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	4.2	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

37.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	SP3.1081905	Batch#:	105118
Lab ID:	181365-005	Sampled:	08/19/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	116	80-122
Toluene-d8	105	80-120
Bromofluorobenzene	103	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

37.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	105118
Units:	ug/L	Analyzed:	08/24/05
Diln Fac:	1.000		

Type: BS Lab ID: QC306222

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	22.84	91	75-121
Benzene	25.00	23.55	94	80-120
Trichloroethene	25.00	25.83	103	78-120
Toluene	25.00	25.27	101	80-120
Chlorobenzene	25.00	25.34	101	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	110	80-122
Toluene-d8	104	80-120
Bromofluorobenzene	99	80-124

Type: BSD Lab ID: QC306223

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.15	97	75-121	6	20
Benzene	25.00	24.45	98	80-120	4	20
Trichloroethene	25.00	26.80	107	78-120	4	20
Toluene	25.00	25.67	103	80-120	2	20
Chlorobenzene	25.00	25.74	103	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	110	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-124

RPD= Relative Percent Difference

39.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC306224	Batch#:	105118
Matrix:	Water	Analyzed:	08/24/05
Units:	ug/L		

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.2
Chloromethane	ND	1.0	0.09
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.2
Chloroethane	ND	1.0	0.1
Ethanol	ND	1,000	36
Trichlorofluoromethane	ND	1.0	0.1
Isopropanol	ND	100	1.1
Acetone	ND	10	0.5
Freon 113	ND	5.0	0.09
1,1-Dichloroethene	ND	0.5	0.09
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.04
MTBE	ND	0.5	0.05
trans-1,2-Dichloroethene	ND	0.5	0.09
Vinyl Acetate	ND	10	0.1
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.08
Chloroform	0.1 J	0.5	0.04
Bromochloromethane	ND	0.5	0.2
1,1,1-Trichloroethane	ND	0.5	0.04
1,1-Dichloropropene	ND	0.5	0.05
Carbon Tetrachloride	ND	0.5	0.06
1,2-Dichloroethane	ND	0.5	0.06
Benzene	ND	0.5	0.03
Trichloroethene	ND	0.5	0.09
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.07
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.3
cis-1,3-Dichloropropene	ND	0.5	0.04
Toluene	ND	0.5	0.05
trans-1,3-Dichloropropene	ND	0.5	0.06
1,1,2-Trichloroethane	ND	0.5	0.06
2-Hexanone	ND	10	0.1
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.09
Dibromochloromethane	ND	0.5	0.06
1,2-Dibromoethane	ND	0.5	0.07
Chlorobenzene	ND	0.5	0.05
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.1
Styrene	ND	0.5	0.06
Bromoform	ND	1.0	0.1
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.06
1,2,3-Trichloropropane	ND	0.5	0.2
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.09

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

38.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC306224	Batch#:	105118
Matrix:	Water	Analyzed:	08/24/05
Units:	ug/L		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.08
para-Isopropyl Toluene	ND	0.5	0.04
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.2
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.06
1,2-Dibromo-3-Chloropropane	ND	2.0	0.1
1,2,4-Trichlorobenzene	0.3 J	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	0.3 J	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.3

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	110	80-122
Toluene-d8	102	80-120
Bromofluorobenzene	105	80-124

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

38.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW10.1-081805	Batch#:	105054
Lab ID:	181365-002	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.8	1.5
Phenol	ND	9.8	1.1
bis(2-Chloroethyl)ether	ND	9.8	0.64
2-Chlorophenol	ND	9.8	0.43
1,3-Dichlorobenzene	ND	9.8	0.32
1,4-Dichlorobenzene	ND	9.8	0.48
Benzyl alcohol	ND	9.8	0.58
1,2-Dichlorobenzene	ND	9.8	0.44
2-Methylphenol	ND	9.8	1.1
bis(2-Chloroisopropyl) ether	ND	9.8	0.82
4-Methylphenol	ND	9.8	0.42
N-Nitroso-di-n-propylamine	ND	9.8	1.4
Hexachloroethane	ND	9.8	0.41
Nitrobenzene	ND	9.8	0.58
Isophorone	ND	9.8	0.38
2-Nitrophenol	ND	20	1.6
2,4-Dimethylphenol	ND	9.8	1.2
Benzoic acid	ND	49	20
bis(2-Chloroethoxy)methane	ND	9.8	0.56
2,4-Dichlorophenol	ND	9.8	0.71
1,2,4-Trichlorobenzene	ND	9.8	0.31
Naphthalene	ND	9.8	0.26
4-Chloroaniline	ND	9.8	0.97
Hexachlorobutadiene	ND	9.8	0.36
4-Chloro-3-methylphenol	ND	9.8	0.73
2-Methylnaphthalene	ND	9.8	0.28
Hexachlorocyclopentadiene	ND	20	0.77
2,4,6-Trichlorophenol	ND	9.8	0.76
2,4,5-Trichlorophenol	ND	9.8	0.95
2-Chloronaphthalene	ND	9.8	0.37
2-Nitroaniline	ND	20	0.87
Dimethylphthalate	ND	9.8	0.24
Acenaphthylene	ND	9.8	0.44
2,6-Dinitrotoluene	ND	9.8	0.76
3-Nitroaniline	ND	20	0.71
Acenaphthene	ND	9.8	0.32
2,4-Dinitrophenol	ND	20	5.2
4-Nitrophenol	ND	20	1.2
Dibenzofuran	ND	9.8	0.43
2,4-Dinitrotoluene	ND	9.8	0.23
Diethylphthalate	ND	9.8	0.35
Fluorene	ND	9.8	0.18
4-Chlorophenyl-phenylether	ND	9.8	0.29
4-Nitroaniline	ND	20	0.65
4,6-Dinitro-2-methylphenol	ND	20	0.70
N-Nitrosodiphenylamine	ND	9.8	0.37
Azobenzene	ND	9.8	0.77
4-Bromophenyl-phenylether	ND	9.8	0.35
Hexachlorobenzene	ND	9.8	0.72
Pentachlorophenol	ND	20	0.74
Phenanthrene	ND	9.8	0.41
Anthracene	ND	9.8	0.29
Di-n-butylphthalate	ND	9.8	0.44

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

15.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW10.1-081805	Batch#:	105054
Lab ID:	181365-002	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
Fluoranthene	ND	9.8	0.23
Pyrene	ND	9.8	0.39
Butylbenzylphthalate	ND	9.8	0.37
3,3'-Dichlorobenzidine	ND	20	0.43
Benzo(a)anthracene	ND	9.8	0.60
Chrysene	ND	9.8	0.28
bis(2-Ethylhexyl)phthalate	1.7 J	9.8	0.52
Di-n-octylphthalate	ND	9.8	0.18
Benzo(b)fluoranthene	ND	9.8	0.15
Benzo(k)fluoranthene	ND	9.8	0.40
Benzo(a)pyrene	ND	9.8	0.15
Indeno(1,2,3-cd)pyrene	ND	9.8	0.41
Dibenz(a,h)anthracene	ND	9.8	0.24
Benzo(g,h,i)perylene	ND	9.8	0.55

Surrogate	%REC	Limits
2-Fluorophenol	60	41-120
Phenol-d5	63	41-120
2,4,6-Tribromophenol	77	38-120
Nitrobenzene-d5	77	47-120
2-Fluorobiphenyl	78	44-120
Terphenyl-d14	82	16-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

15.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW10.2-081805	Batch#:	105054
Lab ID:	181365-003	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.7	0.93
Phenol	ND	9.7	0.41
bis(2-Chloroethyl)ether	ND	9.7	0.47
2-Chlorophenol	ND	9.7	0.65
1,3-Dichlorobenzene	ND	9.7	0.67
1,4-Dichlorobenzene	ND	9.7	0.54
Benzyl alcohol	ND	9.7	0.52
1,2-Dichlorobenzene	ND	9.7	0.36
2-Methylphenol	ND	9.7	1.0
bis(2-Chloroisopropyl) ether	ND	9.7	0.53
4-Methylphenol	ND	9.7	0.57
N-Nitroso-di-n-propylamine	ND	9.7	0.62
Hexachloroethane	ND	9.7	0.75
Nitrobenzene	ND	9.7	0.26
Isophorone	ND	9.7	0.47
2-Nitrophenol	ND	19	0.88
2,4-Dimethylphenol	ND	9.7	1.0
Benzoic acid	ND	49	0.13
bis(2-Chloroethoxy)methane	ND	9.7	0.52
2,4-Dichlorophenol	ND	9.7	0.41
1,2,4-Trichlorobenzene	ND	9.7	0.58
Naphthalene	ND	9.7	0.30
4-Chloroaniline	ND	9.7	2.3
Hexachlorobutadiene	ND	9.7	0.75
4-Chloro-3-methylphenol	ND	9.7	0.59
2-Methylnaphthalene	ND	9.7	0.65
Hexachlorocyclopentadiene	ND	19	0.31
2,4,6-Trichlorophenol	ND	9.7	1.0
2,4,5-Trichlorophenol	ND	9.7	1.1
2-Chloronaphthalene	ND	9.7	0.37
2-Nitroaniline	ND	19	0.76
Dimethylphthalate	ND	9.7	0.41
Acenaphthylene	ND	9.7	0.34
2,6-Dinitrotoluene	ND	9.7	0.43
3-Nitroaniline	ND	19	0.38
Acenaphthene	ND	9.7	0.33
2,4-Dinitrophenol	ND	19	0.43
4-Nitrophenol	ND	19	1.8
Dibenzofuran	ND	9.7	1.1
2,4-Dinitrotoluene	ND	9.7	0.30
Diethylphthalate	ND	9.7	0.32
Fluorene	ND	9.7	0.94
4-Chlorophenyl-phenylether	ND	9.7	0.77
4-Nitroaniline	ND	19	0.98
4,6-Dinitro-2-methylphenol	ND	19	1.1
N-Nitrosodiphenylamine	ND	9.7	0.29
Azobenzene	ND	9.7	0.58
4-Bromophenyl-phenylether	ND	9.7	0.47
Hexachlorobenzene	ND	9.7	0.55
Pentachlorophenol	ND	19	0.45
Phenanthrene	ND	9.7	0.56
Anthracene	ND	9.7	0.26
Di-n-butylphthalate	ND	9.7	0.37
Fluoranthene	ND	9.7	0.46

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

16.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW10.2-081805	Batch#:	105054
Lab ID:	181365-003	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
Pyrene	ND	9.7	0.53
Butylbenzylphthalate	ND	9.7	0.50
3,3'-Dichlorobenzidine	ND	19	0.44
Benzo(a)anthracene	ND	9.7	0.61
Chrysene	ND	9.7	0.67
bis(2-Ethylhexyl)phthalate	ND	9.7	1.2
Di-n-octylphthalate	ND	9.7	0.13
Benzo(b)fluoranthene	ND	9.7	0.44
Benzo(k)fluoranthene	ND	9.7	0.51
Benzo(a)pyrene	ND	9.7	0.51
Indeno(1,2,3-cd)pyrene	ND	9.7	0.31
Dibenz(a,h)anthracene	ND	9.7	0.28
Benzo(g,h,i)perylene	ND	9.7	0.27

Surrogate	%REC	Limits
2-Fluorophenol	79	41-120
Phenol-d5	72	41-120
2,4,6-Tribromophenol	81	38-120
Nitrobenzene-d5	85	47-120
2-Fluorobiphenyl	79	44-120
Terphenyl-d14	69	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

16.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MWDUP3081805	Batch#:	105054
Lab ID:	181365-004	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.8	0.94
Phenol	ND	9.8	0.41
bis(2-Chloroethyl)ether	ND	9.8	0.47
2-Chlorophenol	ND	9.8	0.65
1,3-Dichlorobenzene	ND	9.8	0.67
1,4-Dichlorobenzene	ND	9.8	0.55
Benzyl alcohol	ND	9.8	0.53
1,2-Dichlorobenzene	ND	9.8	0.37
2-Methylphenol	ND	9.8	1.0
bis(2-Chloroisopropyl) ether	ND	9.8	0.53
4-Methylphenol	ND	9.8	0.58
N-Nitroso-di-n-propylamine	ND	9.8	0.63
Hexachloroethane	ND	9.8	0.76
Nitrobenzene	ND	9.8	0.27
Isophorone	ND	9.8	0.48
2-Nitrophenol	ND	20	0.89
2,4-Dimethylphenol	ND	9.8	1.0
Benzoic acid	ND	49	0.13
bis(2-Chloroethoxy)methane	ND	9.8	0.52
2,4-Dichlorophenol	ND	9.8	0.41
1,2,4-Trichlorobenzene	ND	9.8	0.59
Naphthalene	ND	9.8	0.30
4-Chloroaniline	ND	9.8	2.3
Hexachlorobutadiene	ND	9.8	0.76
4-Chloro-3-methylphenol	ND	9.8	0.60
2-Methylnaphthalene	ND	9.8	0.66
Hexachlorocyclopentadiene	ND	20	0.32
2,4,6-Trichlorophenol	ND	9.8	1.1
2,4,5-Trichlorophenol	ND	9.8	1.1
2-Chloronaphthalene	ND	9.8	0.37
2-Nitroaniline	ND	20	0.77
Dimethylphthalate	ND	9.8	0.41
Acenaphthylene	ND	9.8	0.34
2,6-Dinitrotoluene	ND	9.8	0.44
3-Nitroaniline	ND	20	0.39
Acenaphthene	ND	9.8	0.34
2,4-Dinitrophenol	ND	20	0.43
4-Nitrophenol	ND	20	1.8
Dibenzofuran	ND	9.8	1.1
2,4-Dinitrotoluene	ND	9.8	0.30
Diethylphthalate	ND	9.8	0.32
Fluorene	ND	9.8	0.95
4-Chlorophenyl-phenylether	ND	9.8	0.78
4-Nitroaniline	ND	20	0.99
4,6-Dinitro-2-methylphenol	ND	20	1.1
N-Nitrosodiphenylamine	ND	9.8	0.29
Azobenzene	ND	9.8	0.59
4-Bromophenyl-phenylether	ND	9.8	0.48
Hexachlorobenzene	ND	9.8	0.56
Pentachlorophenol	ND	20	0.45
Phenanthrene	ND	9.8	0.57
Anthracene	ND	9.8	0.27
Di-n-butylphthalate	ND	9.8	0.37
Fluoranthene	ND	9.8	0.46

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

17.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MWDUP3081805	Batch#:	105054
Lab ID:	181365-004	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Pyrene	ND	9.8	0.54
Butylbenzylphthalate	ND	9.8	0.50
3,3'-Dichlorobenzidine	ND	20	0.44
Benzo(a)anthracene	ND	9.8	0.62
Chrysene	ND	9.8	0.67
bis(2-Ethylhexyl)phthalate	ND	9.8	1.2
Di-n-octylphthalate	ND	9.8	0.13
Benzo(b)fluoranthene	ND	9.8	0.44
Benzo(k)fluoranthene	ND	9.8	0.51
Benzo(a)pyrene	ND	9.8	0.51
Indeno(1,2,3-cd)pyrene	ND	9.8	0.31
Dibenz(a,h)anthracene	ND	9.8	0.28
Benzo(g,h,i)perylene	ND	9.8	0.27

Surrogate	%REC	Limits
2-Fluorophenol	78	41-120
Phenol-d5	71	41-120
2,4,6-Tribromophenol	77	38-120
Nitrobenzene-d5	88	47-120
2-Fluorobiphenyl	80	44-120
Terphenyl-d14	70	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

17.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	SP3.1081905	Batch#:	105054
Lab ID:	181365-005	Sampled:	08/19/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.8	0.94
Phenol	ND	9.8	0.41
bis(2-Chloroethyl)ether	ND	9.8	0.47
2-Chlorophenol	ND	9.8	0.65
1,3-Dichlorobenzene	ND	9.8	0.67
1,4-Dichlorobenzene	ND	9.8	0.55
Benzyl alcohol	ND	9.8	0.53
1,2-Dichlorobenzene	ND	9.8	0.37
2-Methylphenol	ND	9.8	1.0
bis(2-Chloroisopropyl) ether	ND	9.8	0.53
4-Methylphenol	ND	9.8	0.58
N-Nitroso-di-n-propylamine	ND	9.8	0.63
Hexachloroethane	ND	9.8	0.76
Nitrobenzene	ND	9.8	0.27
Isophorone	ND	9.8	0.48
2-Nitrophenol	ND	20	0.89
2,4-Dimethylphenol	ND	9.8	1.0
Benzoic acid	ND	49	0.13
bis(2-Chloroethoxy)methane	ND	9.8	0.52
2,4-Dichlorophenol	ND	9.8	0.41
1,2,4-Trichlorobenzene	ND	9.8	0.59
Naphthalene	ND	9.8	0.30
4-Chloroaniline	ND	9.8	2.3
Hexachlorobutadiene	ND	9.8	0.76
4-Chloro-3-methylphenol	ND	9.8	0.60
2-Methylnaphthalene	ND	9.8	0.66
Hexachlorocyclopentadiene	ND	20	0.32
2,4,6-Trichlorophenol	ND	9.8	1.1
2,4,5-Trichlorophenol	ND	9.8	1.1
2-Chloronaphthalene	ND	9.8	0.37
2-Nitroaniline	ND	20	0.77
Dimethylphthalate	ND	9.8	0.41
Acenaphthylene	ND	9.8	0.34
2,6-Dinitrotoluene	ND	9.8	0.44
3-Nitroaniline	ND	20	0.39
Acenaphthene	ND	9.8	0.34
2,4-Dinitrophenol	ND	20	0.43
4-Nitrophenol	ND	20	1.8
Dibenzofuran	ND	9.8	1.1
2,4-Dinitrotoluene	ND	9.8	0.30
Diethylphthalate	ND	9.8	0.32
Fluorene	ND	9.8	0.95
4-Chlorophenyl-phenylether	ND	9.8	0.78
4-Nitroaniline	ND	20	0.99
4,6-Dinitro-2-methylphenol	ND	20	1.1
N-Nitrosodiphenylamine	ND	9.8	0.29
Azobenzene	ND	9.8	0.59
4-Bromophenyl-phenylether	ND	9.8	0.48
Hexachlorobenzene	ND	9.8	0.56
Pentachlorophenol	ND	20	0.45
Phenanthrene	ND	9.8	0.57
Anthracene	ND	9.8	0.27
Di-n-butylphthalate	ND	9.8	0.37
Fluoranthene	ND	9.8	0.46

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

18.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	SP3.1081905	Batch#:	105054
Lab ID:	181365-005	Sampled:	08/19/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Pyrene	ND	9.8	0.54
Butylbenzylphthalate	ND	9.8	0.50
3,3'-Dichlorobenzidine	ND	20	0.44
Benzo(a)anthracene	ND	9.8	0.62
Chrysene	ND	9.8	0.67
bis(2-Ethylhexyl)phthalate	ND	9.8	1.2
Di-n-octylphthalate	ND	9.8	0.13
Benzo(b)fluoranthene	ND	9.8	0.44
Benzo(k)fluoranthene	ND	9.8	0.51
Benzo(a)pyrene	ND	9.8	0.51
Indeno(1,2,3-cd)pyrene	ND	9.8	0.31
Dibenz(a,h)anthracene	ND	9.8	0.28
Benzo(g,h,i)perylene	ND	9.8	0.27

Surrogate	%REC	Limits
2-Fluorophenol	80	41-120
Phenol-d5	77	41-120
2,4,6-Tribromophenol	85	38-120
Nitrobenzene-d5	86	47-120
2-Fluorobiphenyl	88	44-120
Terphenyl-d14	76	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

18.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305949	Batch#:	105054
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	10	0.96
Phenol	ND	10	0.42
bis(2-Chloroethyl)ether	ND	10	0.48
2-Chlorophenol	ND	10	0.66
1,3-Dichlorobenzene	ND	10	0.69
1,4-Dichlorobenzene	ND	10	0.56
Benzyl alcohol	ND	10	0.54
1,2-Dichlorobenzene	ND	10	0.37
2-Methylphenol	ND	10	1.0
bis(2-Chloroisopropyl) ether	ND	10	0.54
4-Methylphenol	ND	10	0.59
N-Nitroso-di-n-propylamine	ND	10	0.64
Hexachloroethane	ND	10	0.78
Nitrobenzene	ND	10	0.27
Isophorone	ND	10	0.49
2-Nitrophenol	ND	20	0.91
2,4-Dimethylphenol	ND	10	1.0
Benzoic acid	ND	50	0.13
bis(2-Chloroethoxy)methane	ND	10	0.53
2,4-Dichlorophenol	ND	10	0.42
1,2,4-Trichlorobenzene	ND	10	0.60
Naphthalene	ND	10	0.31
4-Chloroaniline	ND	10	2.3
Hexachlorobutadiene	ND	10	0.77
4-Chloro-3-methylphenol	ND	10	0.61
2-Methylnaphthalene	ND	10	0.67
Hexachlorocyclopentadiene	ND	20	0.32
2,4,6-Trichlorophenol	ND	10	1.1
2,4,5-Trichlorophenol	ND	10	1.1
2-Chloronaphthalene	ND	10	0.38
2-Nitroaniline	ND	20	0.78
Dimethylphthalate	ND	10	0.42
Acenaphthylene	ND	10	0.35
2,6-Dinitrotoluene	ND	10	0.45
3-Nitroaniline	ND	20	0.40
Acenaphthene	ND	10	0.34
2,4-Dinitrophenol	ND	20	0.44
4-Nitrophenol	ND	20	1.8
Dibenzofuran	ND	10	1.2
2,4-Dinitrotoluene	ND	10	0.31
Diethylphthalate	ND	10	0.33
Fluorene	ND	10	0.96
4-Chlorophenyl-phenylether	ND	10	0.79
4-Nitroaniline	ND	20	1.0
4,6-Dinitro-2-methylphenol	ND	20	1.1
N-Nitrosodiphenylamine	ND	10	0.30
Azobenzene	ND	10	0.60
4-Bromophenyl-phenylether	ND	10	0.49
Hexachlorobenzene	ND	10	0.57
Pentachlorophenol	ND	20	0.46
Phenanthrene	ND	10	0.58
Anthracene	ND	10	0.27
Di-n-butylphthalate	ND	10	0.38
Fluoranthene	ND	10	0.47

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

19.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305949	Batch#:	105054
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Pyrene	ND	10	0.55
Butylbenzylphthalate	ND	10	0.51
3,3'-Dichlorobenzidine	ND	20	0.45
Benzo(a)anthracene	ND	10	0.63
Chrysene	ND	10	0.69
bis(2-Ethylhexyl)phthalate	ND	10	1.2
Di-n-octylphthalate	ND	10	0.14
Benzo(b)fluoranthene	ND	10	0.45
Benzo(k)fluoranthene	ND	10	0.52
Benzo(a)pyrene	ND	10	0.52
Indeno(1,2,3-cd)pyrene	ND	10	0.32
Dibenz(a,h)anthracene	ND	10	0.29
Benzo(g,h,i)perylene	ND	10	0.28

Surrogate	%REC	Limits
2-Fluorophenol	78	41-120
Phenol-d5	69	41-120
2,4,6-Tribromophenol	65	38-120
Nitrobenzene-d5	81	47-120
2-Fluorobiphenyl	75	44-120
Terphenyl-d14	67	16-120

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

19.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Matrix:	Water	Batch#:	105054
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Type: BS Lab ID: QC305950

Analyte	Spiked	Result	%REC	Limits
Phenol	100.0	76.86	77	43-120
2-Chlorophenol	100.0	81.97	82	51-120
1,4-Dichlorobenzene	50.00	24.45	49	36-120
N-Nitroso-di-n-propylamine	50.00	40.91	82	45-120
1,2,4-Trichlorobenzene	50.00	32.85	66	38-120
4-Chloro-3-methylphenol	100.0	84.65	85	48-120
Acenaphthene	50.00	41.79	84	43-120
4-Nitrophenol	100.0	105.2	105	43-120
2,4-Dinitrotoluene	50.00	43.44	87	46-120
Pentachlorophenol	100.0	101.5	101	35-120
Pyrene	50.00	39.53	79	38-120

Surrogate	%REC	Limits
2-Fluorophenol	80	41-120
Phenol-d5	78	41-120
2,4,6-Tribromophenol	94	38-120
Nitrobenzene-d5	87	47-120
2-Fluorobiphenyl	92	44-120
Terphenyl-d14	77	16-120

Type: BSD Lab ID: QC305951

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Phenol	100.0	76.78	77	43-120	0	25
2-Chlorophenol	100.0	82.24	82	51-120	0	24
1,4-Dichlorobenzene	50.00	24.12	48	36-120	1	35
N-Nitroso-di-n-propylamine	50.00	39.92	80	45-120	2	27
1,2,4-Trichlorobenzene	50.00	32.16	64	38-120	2	30
4-Chloro-3-methylphenol	100.0	83.09	83	48-120	2	25
Acenaphthene	50.00	40.86	82	43-120	2	24
4-Nitrophenol	100.0	102.1	102	43-120	3	23
2,4-Dinitrotoluene	50.00	42.73	85	46-120	2	24
Pentachlorophenol	100.0	99.86	100	35-120	2	28
Pyrene	50.00	39.06	78	38-120	1	24

Surrogate	%REC	Limits
2-Fluorophenol	81	41-120
Phenol-d5	79	41-120
2,4,6-Tribromophenol	95	38-120
Nitrobenzene-d5	87	47-120
2-Fluorobiphenyl	90	44-120
Terphenyl-d14	77	16-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW10.1-081805	Batch#:	105026
Lab ID:	181365-002	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.012
BZ# 18	ND	0.049	0.025
BZ# 28	ND	0.049	0.020
BZ# 52	ND	0.049	0.019
BZ# 44	ND	0.049	0.0097
BZ# 66	ND	0.049	0.0099
BZ# 101	ND	0.049	0.013
BZ# 81	ND	0.049	0.019
BZ# 77	ND	0.049	0.010
BZ# 123	ND	0.049	0.011
BZ# 118	ND	0.049	0.010
BZ# 114	ND	0.049	0.010
BZ# 153	ND	0.049	0.015
BZ# 105	ND	0.049	0.012
BZ# 138	ND	0.049	0.011
BZ# 187	ND	0.049	0.010
BZ# 126	ND	0.049	0.012
BZ# 128	ND	0.049	0.011
BZ# 167	ND	0.049	0.010
BZ# 156	ND	0.049	0.012
BZ# 157	ND	0.049	0.011
BZ# 180	ND	0.049	0.011
BZ# 170	ND	0.049	0.015
BZ# 169	ND	0.049	0.013
BZ# 189	ND	0.049	0.014
BZ# 195	ND	0.049	0.013
BZ# 206	ND	0.049	0.012
BZ# 209	ND	0.049	0.015

Surrogate	%REC	Limits
TCMX	36 *	37-140
BZ# 205	94	37-140

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

5.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW10.2-081805	Batch#:	105026
Lab ID:	181365-003	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	38	37-140
BZ# 205	101	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

6.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MWDUP3081805	Batch#:	105026
Lab ID:	181365-004	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	33 *	37-140
BZ# 205	76	37-140

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

7.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyl Congeners

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	SP3.1081905	Batch#:	105053
Lab ID:	181365-005	Sampled:	08/19/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.012
BZ# 18	ND	0.048	0.024
BZ# 28	ND	0.048	0.020
BZ# 52	ND	0.048	0.019
BZ# 44	ND	0.048	0.0097
BZ# 66	ND	0.048	0.0098
BZ# 101	ND	0.048	0.013
BZ# 81	ND	0.048	0.019
BZ# 77	ND	0.048	0.010
BZ# 123	ND	0.048	0.011
BZ# 118	ND	0.048	0.010
BZ# 114	ND	0.048	0.010
BZ# 153	ND	0.048	0.014
BZ# 105	ND	0.048	0.012
BZ# 138	ND	0.048	0.011
BZ# 187	ND	0.048	0.0099
BZ# 126	ND	0.048	0.012
BZ# 128	ND	0.048	0.011
BZ# 167	ND	0.048	0.010
BZ# 156	ND	0.048	0.012
BZ# 157	ND	0.048	0.011
BZ# 180	ND	0.048	0.011
BZ# 170	ND	0.048	0.014
BZ# 169	ND	0.048	0.013
BZ# 189	ND	0.048	0.014
BZ# 195	ND	0.048	0.013
BZ# 206	ND	0.048	0.012
BZ# 209	ND	0.048	0.015

Surrogate	%REC	Limits
TCMX	36 *	37-140
BZ# 205	79	37-140

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305827	Batch#:	105026
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/21/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.050	0.012
BZ# 18	ND	0.050	0.025
BZ# 28	ND	0.050	0.020
BZ# 52	ND	0.050	0.019
BZ# 44	ND	0.050	0.010
BZ# 66	ND	0.050	0.010
BZ# 101	ND	0.050	0.013
BZ# 81	ND	0.050	0.020
BZ# 77	ND	0.050	0.011
BZ# 123	ND	0.050	0.012
BZ# 118	ND	0.050	0.011
BZ# 114	ND	0.050	0.011
BZ# 153	ND	0.050	0.015
BZ# 105	ND	0.050	0.012
BZ# 138	ND	0.050	0.011
BZ# 187	ND	0.050	0.010
BZ# 126	ND	0.050	0.013
BZ# 128	ND	0.050	0.011
BZ# 167	ND	0.050	0.010
BZ# 156	ND	0.050	0.013
BZ# 157	ND	0.050	0.011
BZ# 180	ND	0.050	0.011
BZ# 170	ND	0.050	0.015
BZ# 169	ND	0.050	0.014
BZ# 189	ND	0.050	0.015
BZ# 195	ND	0.050	0.013
BZ# 206	ND	0.050	0.012
BZ# 209	ND	0.050	0.016

Surrogate	%REC	Limits
TCMX	63	37-140
BZ# 205	85	37-140

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

9.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305828	Batch#:	105026
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/21/05

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
BZ# 8	1.000	0.8210	82	50-150
BZ# 18	1.000	0.8434	84	50-150
BZ# 28	1.000	0.8973	90	50-150
BZ# 52	1.000	0.8038	80	50-150
BZ# 44	1.000	0.8317	83	50-150
BZ# 66	1.000	0.8917	89	50-150
BZ# 101	1.000	0.8679	87	50-150
BZ# 81	1.000	0.9865	99	50-150
BZ# 77	1.000	1.087 #	109	50-150
BZ# 123	1.000	0.8935	89	50-150
BZ# 118	1.000	0.8985	90	50-150
BZ# 114	1.000	0.9169	92	50-150
BZ# 153	1.000	0.8497	85	50-150
BZ# 105	1.000	0.9570	96	50-150
BZ# 138	1.000	0.8942	89	50-150
BZ# 187	1.000	0.8277	83	50-150
BZ# 126	1.000	1.042	104	50-150
BZ# 128	1.000	0.8940	89	50-150
BZ# 167	1.000	0.8994	90	50-150
BZ# 156	1.000	0.8962	90	50-150
BZ# 157	1.000	0.9132	91	50-150
BZ# 180	1.000	0.8291	83	50-150
BZ# 170	1.000	0.8657	87	50-150
BZ# 169	1.000	1.007	101	50-150
BZ# 189	1.000	0.9442	94	50-150
BZ# 195	1.000	0.8604	86	50-150
BZ# 206	1.000	0.7984	80	50-150
BZ# 209	1.000	0.8214	82	50-150

Surrogate	%REC	Limits
TCMX	71	37-140
BZ# 205	91	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements

11.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW2.1-081505	Batch#:	105026
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/21/05

Type: MS
Lab ID: QC305829
Cleanup Method: EPA 3665A

Analyte	MSS Result	Spiked	Result	%REC	Limits
BZ# 8	<0.01196	0.9901	0.8919	90	50-150
BZ# 18	<0.02432	0.9901	0.9045	91	50-150
BZ# 28	<0.01952	0.9901	0.9746	98	50-150
BZ# 52	<0.01853	0.9901	0.8558	86	50-150
BZ# 44	<0.009652	0.9901	0.8922	90	50-150
BZ# 66	<0.009834	0.9901	0.9594	97	50-150
BZ# 101	<0.01287	0.9901	0.9272	94	50-150
BZ# 81	<0.01904	0.9901	1.098	111	50-150
BZ# 77	<0.01027	0.9901	1.120 #	113	50-150
BZ# 123	<0.01108	0.9901	0.9543	96	50-150
BZ# 118	<0.01026	0.9901	0.9565	97	50-150
BZ# 114	<0.01010	0.9901	0.9350	94	50-150
BZ# 153	<0.01447	0.9901	0.9007	91	50-150
BZ# 105	<0.01160	0.9901	1.022	103	50-150
BZ# 138	<0.01062	0.9901	0.9583	97	50-150
BZ# 187	<0.009913	0.9901	0.8746	88	50-150
BZ# 126	<0.01229	0.9901	0.9364	95	50-150
BZ# 128	<0.01053	0.9901	0.9511	96	50-150
BZ# 167	<0.01005	0.9901	0.9566	97	50-150
BZ# 156	<0.01220	0.9901	0.9488	96	50-150
BZ# 157	<0.01061	0.9901	0.9656	98	50-150
BZ# 180	<0.01068	0.9901	0.8746	88	50-150
BZ# 170	<0.01442	0.9901	0.9143	92	50-150
BZ# 169	<0.01309	0.9901	1.067	108	50-150
BZ# 189	<0.01405	0.9901	0.9843	99	50-150
BZ# 195	<0.01261	0.9901	0.9074	92	50-150
BZ# 206	<0.01190	0.9901	0.8324	84	50-150
BZ# 209	<0.01531	0.9901	0.8574	87	50-150

Surrogate	%REC	Limits
TCMX	79	37-140
BZ# 205	90	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
RPD= Relative Percent Difference

12.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW2.1-081505	Batch#:	105026
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/21/05

Type: MSD
Lab ID: QC305830

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
BZ# 8	0.9615	0.8249	86	50-150	5	30
BZ# 18	0.9615	0.8249	86	50-150	6	30
BZ# 28	0.9615	0.8485	88	50-150	11	30
BZ# 52	0.9615	0.7597	79	50-150	9	30
BZ# 44	0.9615	0.7844	82	50-150	10	30
BZ# 66	0.9615	0.8171	85	50-150	13	30
BZ# 101	0.9615	0.8005	83	50-150	12	30
BZ# 81	0.9615	0.8602	89	50-150	21	30
BZ# 77	0.9615	0.9644 #	100	50-150	12	30
BZ# 123	0.9615	0.8011	83	50-150	15	30
BZ# 118	0.9615	0.8046	84	50-150	14	30
BZ# 114	0.9615	0.8170	85	50-150	11	30
BZ# 153	0.9615	0.7669	80	50-150	13	30
BZ# 105	0.9615	0.8470	88	50-150	16	30
BZ# 138	0.9615	0.8042	84	50-150	15	30
BZ# 187	0.9615	0.7413	77	50-150	14	30
BZ# 126	0.9615	0.9107	95	50-150	0	30
BZ# 128	0.9615	0.7900	82	50-150	16	30
BZ# 167	0.9615	0.7926	82	50-150	16	30
BZ# 156	0.9615	0.7886	82	50-150	16	30
BZ# 157	0.9615	0.8258	86	50-150	13	30
BZ# 180	0.9615	0.7674	80	50-150	10	30
BZ# 170	0.9615	0.7554	79	50-150	16	30
BZ# 169	0.9615	0.8655	90	50-150	18	30
BZ# 189	0.9615	0.8095	84	50-150	17	30
BZ# 195	0.9615	0.7401	77	50-150	17	30
BZ# 206	0.9615	0.6809	71	50-150	17	30
BZ# 209	0.9615	0.7016	73	50-150	17	30

Surrogate	%REC	Limits
TCMX	77	37-140
BZ# 205	80	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
RPD= Relative Percent Difference

12.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305945	Batch#:	105053
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.050	0.012
BZ# 18	ND	0.050	0.025
BZ# 28	ND	0.050	0.020
BZ# 52	ND	0.050	0.019
BZ# 44	ND	0.050	0.010
BZ# 66	ND	0.050	0.010
BZ# 101	ND	0.050	0.013
BZ# 81	ND	0.050	0.020
BZ# 77	ND	0.050	0.011
BZ# 123	ND	0.050	0.012
BZ# 118	ND	0.050	0.011
BZ# 114	ND	0.050	0.011
BZ# 153	ND	0.050	0.015
BZ# 105	ND	0.050	0.012
BZ# 138	ND	0.050	0.011
BZ# 187	ND	0.050	0.010
BZ# 126	ND	0.050	0.013
BZ# 128	ND	0.050	0.011
BZ# 167	ND	0.050	0.010
BZ# 156	ND	0.050	0.013
BZ# 157	ND	0.050	0.011
BZ# 180	ND	0.050	0.011
BZ# 170	ND	0.050	0.015
BZ# 169	ND	0.050	0.014
BZ# 189	ND	0.050	0.015
BZ# 195	ND	0.050	0.013
BZ# 206	ND	0.050	0.012
BZ# 209	ND	0.050	0.016

Surrogate	%REC	Limits
TCMX	32 *	37-140
BZ# 205	87	37-140

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

10.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305946	Batch#:	105053
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
BZ# 8	1.000	0.8793	88	50-150
BZ# 18	1.000	0.8890	89	50-150
BZ# 28	1.000	0.9558	96	50-150
BZ# 52	1.000	0.8296	83	50-150
BZ# 44	1.000	0.8619	86	50-150
BZ# 66	1.000	0.9642	96	50-150
BZ# 101	1.000	0.8963	90	50-150
BZ# 81	1.000	1.028	103	50-150
BZ# 77	1.000	1.168 #	117	50-150
BZ# 123	1.000	0.9354	94	50-150
BZ# 118	1.000	0.9356	94	50-150
BZ# 114	1.000	0.9539	95	50-150
BZ# 153	1.000	0.8690	87	50-150
BZ# 105	1.000	1.007	101	50-150
BZ# 138	1.000	0.9177	92	50-150
BZ# 187	1.000	0.8388	84	50-150
BZ# 126	1.000	1.026	103	50-150
BZ# 128	1.000	0.9257	93	50-150
BZ# 167	1.000	0.9339	93	50-150
BZ# 156	1.000	0.9371	94	50-150
BZ# 157	1.000	0.9543	95	50-150
BZ# 180	1.000	0.8479	85	50-150
BZ# 170	1.000	0.8957	90	50-150
BZ# 169	1.000	1.070	107	50-150
BZ# 189	1.000	0.9934	99	50-150
BZ# 195	1.000	0.8776	88	50-150
BZ# 206	1.000	0.8241	82	50-150
BZ# 209	1.000	0.8469	85	50-150

Surrogate	%REC	Limits
TCMX	41	37-140
BZ# 205	92	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements

13.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW5.2-081605	Batch#:	105053
MSS Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Type: MS
Lab ID: QC305947
Cleanup Method: EPA 3665A

Analyte	MSS Result	Spiked	Result	%REC	Limits
BZ# 8	<0.01196	0.9615	0.8380	87	50-150
BZ# 18	<0.02432	0.9615	0.8447	88	50-150
BZ# 28	<0.01952	0.9615	0.9042	94	50-150
BZ# 52	<0.01853	0.9615	0.7898	82	50-150
BZ# 44	<0.009652	0.9615	0.8267	86	50-150
BZ# 66	<0.009834	0.9615	0.9014	94	50-150
BZ# 101	<0.01287	0.9615	0.8485	88	50-150
BZ# 81	<0.01904	0.9615	0.9632	100	50-150
BZ# 77	<0.01027	0.9615	1.185 #	123	50-150
BZ# 123	<0.01108	0.9615	0.8904	93	50-150
BZ# 118	<0.01026	0.9615	0.8924	93	50-150
BZ# 114	<0.01010	0.9615	0.9098	95	50-150
BZ# 153	<0.01447	0.9615	0.8231	86	50-150
BZ# 105	<0.01160	0.9615	0.9561	99	50-150
BZ# 138	<0.01062	0.9615	0.8578	89	50-150
BZ# 187	<0.009913	0.9615	0.7937	83	50-150
BZ# 126	<0.01229	0.9615	0.9861	103	50-150
BZ# 128	<0.01053	0.9615	0.8687	90	50-150
BZ# 167	<0.01005	0.9615	0.8779	91	50-150
BZ# 156	<0.01220	0.9615	0.8826	92	50-150
BZ# 157	<0.01061	0.9615	0.8977	93	50-150
BZ# 180	<0.01068	0.9615	0.7962	83	50-150
BZ# 170	<0.01442	0.9615	0.8386	87	50-150
BZ# 169	<0.01309	0.9615	1.006	105	50-150
BZ# 189	<0.01405	0.9615	0.9213	96	50-150
BZ# 195	<0.01261	0.9615	0.8331	87	50-150
BZ# 206	<0.01190	0.9615	0.7787	81	50-150
BZ# 209	<0.01531	0.9615	0.8038	84	50-150

Surrogate	%REC	Limits
TCMX	46	37-140
BZ# 205	88	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
RPD= Relative Percent Difference

14.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyl Congeners

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW5.2-081605	Batch#:	105053
MSS Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Type: MSD
Lab ID: QC305948

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
BZ# 8	0.9709	0.8550	88	50-150	1	30
BZ# 18	0.9709	0.8581	88	50-150	1	30
BZ# 28	0.9709	0.9244	95	50-150	1	30
BZ# 52	0.9709	0.8041	83	50-150	1	30
BZ# 44	0.9709	0.8442	87	50-150	1	30
BZ# 66	0.9709	0.9160	94	50-150	1	30
BZ# 101	0.9709	0.8615	89	50-150	1	30
BZ# 81	0.9709	1.001	103	50-150	3	30
BZ# 77	0.9709	1.134 #	117	50-150	5	30
BZ# 123	0.9709	0.9014	93	50-150	0	30
BZ# 118	0.9709	0.9024	93	50-150	0	30
BZ# 114	0.9709	0.9216	95	50-150	0	30
BZ# 153	0.9709	0.8331	86	50-150	0	30
BZ# 105	0.9709	0.9703	100	50-150	1	30
BZ# 138	0.9709	0.8662	89	50-150	0	30
BZ# 187	0.9709	0.8001	82	50-150	0	30
BZ# 126	0.9709	1.055	109	50-150	6	30
BZ# 128	0.9709	0.8756	90	50-150	0	30
BZ# 167	0.9709	0.8779	90	50-150	1	30
BZ# 156	0.9709	0.8859	91	50-150	1	30
BZ# 157	0.9709	0.8990	93	50-150	1	30
BZ# 180	0.9709	0.7980	82	50-150	1	30
BZ# 170	0.9709	0.8385	86	50-150	1	30
BZ# 169	0.9709	0.9918	102	50-150	2	30
BZ# 189	0.9709	0.9233	95	50-150	1	30
BZ# 195	0.9709	0.8171	84	50-150	3	30
BZ# 206	0.9709	0.7646	79	50-150	3	30
BZ# 209	0.9709	0.7866	81	50-150	3	30

Surrogate	%REC	Limits
TCMX	48	37-140
BZ# 205	88	37-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
RPD= Relative Percent Difference

14.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW10.1-081805	Batch#:	105025
Lab ID:	181365-002	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.95	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.95	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.01
Dibenz(a,h)anthracene	ND	0.19	0.008
Benzo(g,h,i)perylene	ND	0.19	0.009
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	80	58-132
1-Methylnaphthalene (F)	87	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

23.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW10.2-081805	Batch#:	105025
Lab ID:	181365-003	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.96	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.96	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.01
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	68	58-132
1-Methylnaphthalene (F)	74	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

24.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MWDUP3081805	Batch#:	105025
Lab ID:	181365-004	Sampled:	08/18/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.98	0.07
Acenaphthylene	ND	2.0	0.09
Acenaphthene	ND	0.98	0.06
Fluorene	ND	0.20	0.02
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.20	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.007
Benzo(b)fluoranthene	ND	0.20	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.01
Dibenz(a,h)anthracene	ND	0.20	0.009
Benzo(g,h,i)perylene	ND	0.20	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	72	58-132
1-Methylnaphthalene (F)	79	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

25.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polynuclear Aromatics by HPLC

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	SP3.1081905	Batch#:	105052
Lab ID:	181365-005	Sampled:	08/19/05
Matrix:	Water	Received:	08/19/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/24/05

Analyte	Result	RL	MDL
Naphthalene	ND	0.96	0.07
Acenaphthylene	ND	1.9	0.09
Acenaphthene	ND	0.96	0.06
Fluorene	ND	0.19	0.01
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.006
Benzo(b)fluoranthene	ND	0.19	0.009
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.19	0.009
Benzo(g,h,i)perylene	ND	0.19	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	90	58-132
1-Methylnaphthalene (F)	98	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

26.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305823	Batch#:	105025
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/22/05

Analyte	Result	RL	MDL
Naphthalene	ND	1.0	0.07
Acenaphthylene	ND	2.0	0.09
Acenaphthene	ND	1.0	0.06
Fluorene	ND	0.20	0.02
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.20	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.007
Benzo(b)fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.20	0.009
Benzo(g,h,i)perylene	ND	0.20	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	86	58-132
1-Methylnaphthalene (F)	97	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

27.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305824	Batch#:	105025
Matrix:	Water	Prepared:	08/20/05
Units:	ug/L	Analyzed:	08/22/05

Analyte	Spiked	Result	%REC	Limits
Naphthalene	10.00	8.453	85	67-120
Acenaphthylene	20.00	16.65	83	70-120
Acenaphthene	10.00	8.799	88	66-120
Fluorene	2.000	1.721	86	69-120
Phenanthrene	1.000	0.9262	93	63-120
Anthracene	1.000	0.9522	95	63-120
Benzo(k)fluoranthene	1.000	0.9185	92	65-124
Indeno(1,2,3-cd)pyrene	1.000	0.9267	93	62-123

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	80	58-132
1-Methylnaphthalene (F)	90	56-135

29.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW2.1-081505	Batch#:	105025
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/20/05
Diln Fac:	1.000	Analyzed:	08/22/05

Type: MS Lab ID: QC305825

Analyte	MSS Result	Spiked	Result	%REC	Limits
Naphthalene	<0.06891	9.524	8.023	84	42-122
Acenaphthylene	<0.09010	19.05	15.65	82	51-126
Acenaphthene	<0.06131	9.524	8.180	86	41-156
Fluorene	<0.01469	1.905	1.608	84	39-150
Phenanthrene	<0.008430	0.9524	0.8732	92	25-205
Anthracene	<0.007771	0.9524	0.8998	94	56-151
Benzo(k)fluoranthene	<0.004910	0.9524	0.8552	90	18-146
Indeno(1,2,3-cd)pyrene	<0.006091	0.9524	0.8611	90	55-159

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	81	58-132
1-Methylnaphthalene (F)	91	56-135

Type: MSD Lab ID: QC305826

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Naphthalene	9.524	7.427	78	42-122	8	36
Acenaphthylene	19.05	14.70	77	51-126	6	34
Acenaphthene	9.524	7.703	81	41-156	6	38
Fluorene	1.905	1.547	81	39-150	4	35
Phenanthrene	0.9524	0.8536	90	25-205	2	33
Anthracene	0.9524	0.8474	89	56-151	6	34
Benzo(k)fluoranthene	0.9524	0.8459	89	18-146	1	34
Indeno(1,2,3-cd)pyrene	0.9524	0.8545	90	55-159	1	33

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	75	58-132
1-Methylnaphthalene (F)	85	56-135

RPD= Relative Percent Difference

30.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC305941	Batch#:	105052
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Analyte	Result	RL	MDL
Naphthalene	ND	1.0	0.07
Acenaphthylene	ND	2.0	0.09
Acenaphthene	ND	1.0	0.06
Fluorene	ND	0.20	0.02
Phenanthrene	ND	0.10	0.009
Anthracene	ND	0.10	0.008
Fluoranthene	ND	0.20	0.02
Pyrene	ND	0.10	0.007
Benzo(a)anthracene	ND	0.10	0.005
Chrysene	ND	0.10	0.007
Benzo(b)fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.005
Benzo(a)pyrene	ND	0.10	0.008
Dibenz(a,h)anthracene	ND	0.20	0.009
Benzo(g,h,i)perylene	ND	0.20	0.01
Indeno(1,2,3-cd)pyrene	ND	0.10	0.006

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	83	58-132
1-Methylnaphthalene (F)	92	56-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

28.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305942	Batch#:	105052
Matrix:	Water	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/23/05

Analyte	Spiked	Result	%REC	Limits
Naphthalene	10.00	9.742	97	67-120
Acenaphthylene	20.00	19.77	99	70-120
Acenaphthene	10.00	10.21	102	66-120
Fluorene	2.000	2.051	103	69-120
Phenanthrene	1.000	1.085	109	63-120
Anthracene	1.000	1.148	115	63-120
Benzo(k)fluoranthene	1.000	1.122	112	65-124
Indeno(1,2,3-cd)pyrene	1.000	1.120	112	62-123

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	94	58-132
1-Methylnaphthalene (F)	101	56-135

31.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polynuclear Aromatics by HPLC

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW5.2-081605	Batch#:	105052
MSS Lab ID:	181341-006	Sampled:	08/16/05
Matrix:	Water	Received:	08/18/05
Units:	ug/L	Prepared:	08/22/05
Diln Fac:	1.000	Analyzed:	08/23/05

Type: MS Lab ID: QC305943

Analyte	MSS Result	Spiked	Result	%REC	Limits
Naphthalene	<0.07025	9.709	9.423	97	42-122
Acenaphthylene	<0.09185	19.42	18.71	96	51-126
Acenaphthene	<0.06250	9.709	9.799	101	41-156
Fluorene	<0.01498	1.942	1.900	98	39-150
Phenanthrene	<0.008593	0.9709	0.9939	102	25-205
Anthracene	<0.007922	0.9709	1.065	110	56-151
Benzo(k)fluoranthene	<0.005005	0.9709	1.020	105	18-146
Indeno(1,2,3-cd)pyrene	<0.006209	0.9709	1.019	105	55-159

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	91	58-132
1-Methylnaphthalene (F)	99	56-135

Type: MSD Lab ID: QC305944

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Naphthalene	9.615	9.657	100	42-122	3	36
Acenaphthylene	19.23	19.62	102	51-126	6	34
Acenaphthene	9.615	10.14	105	41-156	4	38
Fluorene	1.923	2.005	104	39-150	6	35
Phenanthrene	0.9615	1.072	111	25-205	8	33
Anthracene	0.9615	1.129	117	56-151	7	34
Benzo(k)fluoranthene	0.9615	1.070	111	18-146	6	34
Indeno(1,2,3-cd)pyrene	0.9615	1.075	112	55-159	6	33

Surrogate	%REC	Limits
1-Methylnaphthalene (UV)	96	58-132
1-Methylnaphthalene (F)	105	56-135

RPD= Relative Percent Difference

32.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #: 181365		Project#:	16017.01
Client: Acton Mickelson Environmental		Location:	Former GA-Pacific Sawmill
Field ID:	MW10.1-081805	Diln Fac:	1.000
Lab ID:	181365-002	Sampled:	08/18/05
Matrix:	Filtrate	Received:	08/19/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Arsenic	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Barium	38	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Beryllium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Cadmium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Chromium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Cobalt	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Copper	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Lead	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Mercury	ND	0.20	105036	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Nickel	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Selenium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Silver	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Thallium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Vanadium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Zinc	11	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

40.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181365	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW10.2-081805	Diln Fac:	1.000
Lab ID:	181365-003	Sampled:	08/18/05
Matrix:	Filtrate	Received:	08/19/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Arsenic	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Barium	45	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Beryllium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Cadmium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Chromium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Cobalt	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Copper	1.3	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Lead	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Mercury	ND	0.20	105036	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Nickel	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Selenium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Silver	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Thallium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Vanadium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Zinc	10	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

41.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181365	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MWDUP3081805	Diln Fac:	1.000
Lab ID:	181365-004	Sampled:	08/18/05
Matrix:	Filtrate	Received:	08/19/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Arsenic	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Barium	37	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Beryllium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Cadmium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Chromium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Cobalt	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Copper	1.9	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Lead	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Mercury	ND	0.20	105036	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Nickel	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Selenium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Silver	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Thallium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Vanadium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Zinc	20	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

42.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	181365	Project#:	16017.01
Client:	Acton Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	SP3.1081905	Diln Fac:	1.000
Lab ID:	181365-005	Sampled:	08/19/05
Matrix:	Filtrate	Received:	08/19/05
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Arsenic	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Barium	27	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Beryllium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Cadmium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Chromium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Cobalt	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Copper	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Lead	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Mercury	ND	0.20	105036	08/22/05	08/22/05	METHOD	EPA 7470A
Molybdenum	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Nickel	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Selenium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Silver	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Thallium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Vanadium	ND	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020
Zinc	8.3	1.0	105240	08/29/05	08/30/05	200.8	EPA 6020

ND= Not Detected
RL= Reporting Limit

43.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	METHOD
Project#:	16017.01	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	105036
Lab ID:	QC305868	Prepared:	08/22/05
Matrix:	Filtrate	Analyzed:	08/22/05
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

44.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	METHOD
Project#:	16017.01	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	105036
Matrix:	Filtrate	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC305869	5.000	4.850	97	80-120		
BSD	QC305870	5.000	4.600	92	80-120	5	20

RPD= Relative Percent Difference

46.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	METHOD
Project#:	16017.01	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	105036
Field ID:	MW2.1-081505	Sampled:	08/15/05
MSS Lab ID:	181301-002	Received:	08/17/05
Matrix:	Filtrate	Prepared:	08/22/05
Units:	ug/L	Analyzed:	08/22/05
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC305871	<0.07957	5.000	4.740	95	80-120		
MSD	QC305872		5.000	4.580	92	80-120	3	20

RPD= Relative Percent Difference

47.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	200.8
Project#:	16017.01	Analysis:	EPA 6020
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC306723	Batch#:	105240
Matrix:	Filtrate	Prepared:	08/29/05
Units:	ug/L	Analyzed:	08/30/05

Analyte	Result	RL
Antimony	ND	1.0
Arsenic	ND	1.0
Barium	ND	1.0
Beryllium	ND	1.0
Cadmium	ND	1.0
Chromium	ND	1.0
Cobalt	ND	1.0
Copper	ND	1.0
Lead	ND	1.0
Molybdenum	ND	1.0
Nickel	ND	1.0
Selenium	ND	1.0
Silver	ND	1.0
Thallium	ND	1.0
Vanadium	ND	1.0
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

45.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	200.8
Project#:	16017.01	Analysis:	EPA 6020
Matrix:	Filtrate	Batch#:	105240
Units:	ug/L	Prepared:	08/29/05
Diln Fac:	1.000	Analyzed:	08/30/05

Type: BS Lab ID: QC306724

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	102.4	102	80-120
Arsenic	100.0	98.03	98	80-120
Barium	100.0	100.0	100	80-120
Beryllium	100.0	99.66	100	80-120
Cadmium	100.0	99.01	99	80-120
Chromium	100.0	102.1	102	80-120
Cobalt	100.0	102.3	102	80-120
Copper	100.0	101.6	102	80-120
Lead	100.0	99.70	100	80-120
Molybdenum	100.0	99.81	100	80-120
Nickel	100.0	100.5	101	80-120
Selenium	100.0	89.69	90	80-120
Silver	100.0	105.8	106	80-120
Thallium	100.0	99.42	99	80-120
Vanadium	100.0	101.4	101	80-120
Zinc	100.0	99.53	100	80-120

Type: BSD Lab ID: QC306725

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	101.4	101	80-120	1	20
Arsenic	100.0	98.39	98	80-120	0	20
Barium	100.0	100.2	100	80-120	0	20
Beryllium	100.0	101.7	102	80-120	2	20
Cadmium	100.0	98.64	99	80-120	0	20
Chromium	100.0	103.5	104	80-120	1	20
Cobalt	100.0	103.7	104	80-120	1	20
Copper	100.0	102.1	102	80-120	0	20
Lead	100.0	99.79	100	80-120	0	20
Molybdenum	100.0	101.1	101	80-120	1	20
Nickel	100.0	103.2	103	80-120	3	20
Selenium	100.0	89.99	90	80-120	0	20
Silver	100.0	104.7	105	80-120	1	20
Thallium	100.0	101.3	101	80-120	2	20
Vanadium	100.0	102.7	103	80-120	1	20
Zinc	100.0	104.6	105	80-120	5	20

RPD= Relative Percent Difference

48.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	181365	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	200.8
Project#:	16017.01	Analysis:	EPA 6020
Field ID:	MW10.1-081805	Batch#:	105240
MSS Lab ID:	181365-002	Sampled:	08/18/05
Matrix:	Filtrate	Received:	08/19/05
Units:	ug/L	Prepared:	08/29/05
Diln Fac:	1.000	Analyzed:	08/30/05

Type: MS Lab ID: QC306726

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.2899	100.0	104.0	104	80-120
Arsenic	<0.6516	100.0	102.6	103	80-120
Barium	37.69	100.0	142.2	105	77-125
Beryllium	<0.05514	100.0	111.5	112	80-120
Cadmium	<0.1409	100.0	94.87	95	78-120
Chromium	0.5369	100.0	109.9	109	80-120
Cobalt	<0.03411	100.0	107.4	107	80-120
Copper	0.6726	100.0	104.1	103	80-120
Lead	<0.2399	100.0	102.5	103	80-120
Molybdenum	0.5559	100.0	100.5	100	80-120
Nickel	0.4195	100.0	104.8	104	77-120
Selenium	<0.3462	100.0	89.38	89	64-123
Silver	<0.04084	100.0	98.91	99	71-120
Thallium	<0.07277	100.0	104.4	104	62-120
Vanadium	0.4703	100.0	109.7	109	78-130
Zinc	11.37	100.0	100.1	89	64-129

Type: MSD Lab ID: QC306727

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	104.5	104	80-120	0	20
Arsenic	100.0	101.7	102	80-120	1	20
Barium	100.0	143.3	106	77-125	1	20
Beryllium	100.0	110.2	110	80-120	1	20
Cadmium	100.0	94.96	95	78-120	0	20
Chromium	100.0	109.2	109	80-120	1	20
Cobalt	100.0	105.7	106	80-120	2	20
Copper	100.0	103.2	103	80-120	1	20
Lead	100.0	101.8	102	80-120	1	20
Molybdenum	100.0	101.1	101	80-120	1	20
Nickel	100.0	105.2	105	77-120	0	20
Selenium	100.0	89.50	90	64-123	0	20
Silver	100.0	99.79	100	71-120	1	20
Thallium	100.0	105.7	106	62-120	1	20
Vanadium	100.0	109.3	109	78-130	0	20
Zinc	100.0	105.3	94	64-129	5	28

RPD= Relative Percent Difference

49.0

Acton - Mickelson • Environmental, Inc.

Chain of Custody and Analysis Request Form

Geotracker Global ID T0604591192

[X] Standard TAT
[ ] RUSH TAT [ ] 24 hr. TAT [ ] 48 hr. TAT [ ] 72 hr. TAT [X] 5 day TAT

Page ___ of ___ | Chain of Custody No. 4378

Send Results to:
5175 Hillsdale Circle, Suite 100
El Dorado Hills, CA 95762
(916) 939-7550, FAX (916) 939-7570
Attn.: Jeff Heglie

[ ] Preliminary Fax Result
[X] Sample Receipt/ Log-In Confirmation
[X] Electronic Data Deliverables
[X] Geotracker EDF
[ ] Raw Data Deliverables
[ ] Call with Verbal Results

Requested Analysis: 8015B TPHg, 8260B VOCs, Temperature 1 per cooler

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	8015B TPHg	*1 8260B VOCs								Comments
181365-001		MW 10.2 081805TB4	8/18/05	1500	W	V	6	HCL	X	X								*1 VOC's Low Level
-002		MW 10.1-081805	8/18/05	1250	GW	V	6	HCL	X	X								
-003		MW 10.2-081805	8/18/05	1500	GW	V	6	HCL	X	X								
-004		MW DUP3081805	8/18/05	—	GW	V	6	HCL	X	X								
-005		SP 3.1 081905 *	8/18/05 **	0845	GW	V	6	HCL	X	X								
																		3.4°C
																		JGW 8-19-05
		* Labels = Spring - 08/1905 JGW 8-19-05																
		** Labels & COC 475 = 8/19/05 JGW 8-19-05																

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/19/05		Relinquished by:		
Received by: [signature]	8-19-05	1500	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01 Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

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- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd + TPHo	8270C SVOCs	8082 PCB Congeners	8310 PAHs	6020B Total Metals	Temperature					Comments
									*1				*2						
1813605-002		MW-10.1-08 18 05	8/18/05	1250	GW	GB	1	C	X										*1 Use Silica Gel Cleanup
		MW-10.1-08 18 05	8/18/05	1250	GW	GB	2	C		X									*2 Metals dissolved Field Filtered
		MW-10.1-08 18 05	8/18/05	1250	GW	GB	1	C			X								
		MW-10.1-08 18 05	8/18/05	1250	GW	GB	1	C				X							
		MW-10.1-08 18 05	8/18/05	1250	GW	P	1	HNO3					X						
N/A		Temperature	8/18/05	—	W	P	1	C						X					1 per cooler
																			3.0°C
																			JAW 8-19-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/19/05	1030	Relinquished by:		
Received by: Jay Erwin	8-19-05	1500	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
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Attn.: Jeff Heglie

[ ] Preliminary Fax Result
[X] Sample Receipt/ Log-In Confirmation
[X] Electronic Data Deliverables
[X] Geotracker EDF
[ ] Raw Data Deliverables
[ ] Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd & TPHo *1	8270C SVOCs	8082 PCB Congeners	8310 PAHs	6020B/7471 Metals *2	Temperature					Comments
181365-003		MW-10.2-08 18 05	8/18/05	1500	GW	GB	1	C	X										*1 use Silica Gel Cleanup
		MW-10.2-08 18 05	8/18/05	1500	GW	GB	2	C		X									*2 Metals, dissolved Field Filtered
		MW-10.2-08 18 05	8/18/05	1500	GW	GB	1	C			X								
		MW-10.2-08 18 05	8/18/05	1500	GW	GB	1	C				X							
		MW-10.2-08 18 05	8/18/05	1500	GW	P	1	HNO3					X						
N/A		Temperature	8/18/05	—	W	P	1	C						X					1 per cooler
																			4.4°C
																			FAW 8-19-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/19/05	1030	Relinquished by:		
Received by: [signature]	8-19-05	1500	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) [signature] (Signature)

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Attn.: Jeff Heglie

- [ ] Preliminary Fax Result
- [X] Sample Receipt/ Log-In Confirmation
- [X] Electronic Data Deliverables
- [X] Geotracker EDF
- [ ] Raw Data Deliverables
- [ ] Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPHd + TPHo	8270C SVOC's	8082 PCB Congeners	8310 PAH	6020B/7471 Metals	Temperature					~~Temperature~~	Comments
									*1				*2							
181365-004		MW-DUP-3-0818 05	8/18/05	—	GW	GB	1	C	X											*1 use Silica Gel Cleanup
		MW-DUP-3-0818 05	8/18/05	—	GW	GB	2	C		X										*2 Metals, dissolved Field Filtered
		MW-DUP-3-0818 05	8/18/05	—	GW	GB	1	C			X									
		MW-DUP-3-0818 05	8/18/05	—	GW	GB	1	C				X								
		MW-DUP-3-0818 05	8/18/05	—	GW	P	1	HNO3					X							
N/A		Temperature	8/18/05	—	W	P	1	C						X						one per cooler
																				2.4°C
																				JGW 8-19-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/19/05	1030	Relinquished by:		
Received by: [signature]	8-19-05	1500	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis + Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

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- ☐ Preliminary Fax Result
- ☒ Sample Receipt/ Log-In Confirmation
- ☒ Electronic Data Deliverables
- ☒ Geotracker EDF
- ☐ Raw Data Deliverables
- ☐ Call with Verbal Results

Lab ID (LAB USE ONLY)	Field Point ID	Sample ID	Date Collected	Time Collected	Matrix	Container	Number of Containers	Preservative	Requested Analysis: 8015B TPH d+g+Ho	8270C SVOC's	8082 PCB Congeners	8310 PAH	6020B/7471 Metals	Temperature					Comments
									#1				#2						
181365-005		SP-3.1 08 14 05	8/14/05	0845	GW	GB	1	C	X										#1 Use Silica Gel Cleanup
		SP-3.1 08 14 05	8/14/05	0845	GW	GB	2	C		X									#2 Metals, dissolved Field Filtered
		SP-3.1-08 14 05	8/14/05	0845	GW	GB	1	C			X								
		SP-3.1 08 14 05	8/14/05	0845	GW	GB	1	C				X							
		SP-3.1-0814 05	8/14/05	0845	GW	P	1	HNO_3					X						
N/A		Temperature	8/14/05	—	W	P	1	C						X					1 per cooler
																			4.2°C
																			JWN 8-14-05

Signature	Date	Time	Signature	Date	Time
Relinquished by: Thomas Carroll	8/14/05	1030	Relinquished by:		
Received by: Jeff Eaton	8-14-05	1500	Received by:		
Relinquished by:			Relinquished by:		
Received by:			Received by:		

Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; RW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

Project Name and Location: Former Georgia-Pacific Sawmill
Project Number: 16017.01
Receiving Lab: Curtis & Tompkins
Sampled by: Thomas Carroll (Print Name) Thomas Carroll (Signature)

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APPENDIX D

Data Validation Summary Reports

DATA VALIDATION REPORT

Project Name:	Georgia-Pacific California Wood Products Manufacturing Facility
Project Location:	90 West Redwood Avenue, Fort Bragg, California
Project Number:	16017.01
Project Activity:	Quarterly Ground Water Monitoring, Third Quarter 2005
Laboratory:	Curtis & Tompkins Ltd., Berkeley, California
Sample Deliverable Group:	181301
Sample Date:	8/15-16/05
Sample Matrix Types:	Water
Samples:	See attached Table 1.
Report Date Final:	12/21/05
Review By:	J.R. Heglie

This quality assurance review is in accordance with the *Quality Assurance Plan (QAP),* which is Appendix C of the Acton • Mickelson • Environmental, Inc., June 9, 2005, *Work Plan for Additional Site Assessment, Georgia-Pacific California Wood Products Manufacturing Facility.* Referenced guidance documents include U.S. EPA, January 2005, *US EPA Contract Laboratory Program, National Functional Guidelines for Superfund Organic Methods Review, Draft Final*, USEPA-540-R-04-009, U.S. EPA, October 1999, *US EPA Contract Laboratory Program, National Functional Guidelines for Organic Data Review*, EPA 540/R-99/008 and U.S. EPA, July 2002, *US EPA Contract Laboratory Program, National Functional Guidelines for Inorganic Data Review*, EPA 540/R-01/008.

ORGANIC DATA

I. SUMMARY OF PROBLEMS/ COMMENTS

Overall, the data quality is good and the data are acceptable for use. A portion of the data has been qualified due to method blank contamination.

Completeness: The analytical results are within the QAQ-specified ranges for data useability.

II. DATA VERIFICATION REVIEW

SAMPLE COLLECTION AND CHAIN OF CUSTODY. REMARKS:
No exceptions noted.

SAMPLE RECEIPT, INCLUDING CONDITION AND PRESERVATION, REMARKS:
No exceptions noted.

SAMPLE PREPARATION, SAMPLE CLEANUP METHOD, REMARKS:
No exceptions noted.

SAMPLE ANALYSIS, INCLUDING ANALYTICAL METHOD AND PROJECT SPECIFIC REPORTING LIMITS:

		No. Samples	No. Exceptions	Note:
VOA8015	Water:	10	0	
(TPHg)	Soil:	NA	NA	
	Waste:	NA	NA	
VOA8260	Water:	10	0	
	Soil:	NA	NA	
	Waste:	NA	NA	
SEMIV 8015	Water:	6	0	
(TPHd,o)	Soil:	NA	NA	
	Waste:	NA	NA	
SEMIV 8270	Water:	6	0	
	Soil:	NA	NA	
	Waste:	NA	NA	
SEMIV 8310	Water:	6	0	
(PAHs)	Soil:	NA	NA	
	Waste:	NA	NA	
PCB 8082	Water:	6	0	
(PCBs)	Soil:	NA	NA	
	Waste:	NA	NA	

NA – Not analyzed.

REMARKS:

1. Samples –008 through –010 included VOAs only, with extractable fraction included in a separate COC.

III. SAMPLE HOLDING TIMES

VOA	Number Samples	Number Late
Water	10	0
Soil	NA	0
Waste	NA	0

SEMIVOLATILE	Number Samples	Number Late
Water	6	0
Soil	NA	0
Waste	NA	0

PESTICIDE/ PCB	Number Samples	Number Late
Water	6	0
Soil	NA	0
Waste	NA	0

REMARKS:

1. None.

IV. LABORATORY CONTROL SAMPLES

Water:	VOA8015: A	VOA8260: A
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

Water:	SEMI 8015: A	SEMI 8270: A	SEMI 8310: A
Soil:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Waste:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA

Water:	PEST8081: NA	PCB8082: A	SMWW 5550: NA
Soil:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA
Waste:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA

A - Acceptable – all criteria met.
P - Provisional – some criteria not met; data useable. See remarks.
U - Unacceptable - criteria not met; data unuseable. See remarks
NA – Not analyzed.

REMARKS:
None.

V. METHOD BLANK ANALYSIS

Water:	VOA8015: A	VOA8260: A	
Soil:	VOA8015: NA	VOA8260: NA	
Waste:	VOA8015: NA	VOA8260: NA	
Water:	SEMI 8015: P	SEMI 8270: A	SEMI 8310: A
Soil:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Waste:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Water:	PEST8081: NA	PCB8082: A	SMWW 5550: NA
Soil:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA
Waste:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA

A - Acceptable - no contaminants above minimum detection limits; no interference with sample results.
P - Provisional - contaminants present but minimal interference with sample results.
U - Unacceptable - gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Method blanks were contaminated as shown below:

1. Chloroform was detected between the MDL and the EQL in the method blank. Concentrations in corresponding samples were below the MDL, so no data were qualified.
2. Diesel was reported between the MDL and the EQL in the method blank. Results for samples with reported concentrations between the MDL and EQL (samples –005 and –007 for MW-3.1 primary and duplicate) were qualified as not detected ("u").

1.

VI. SURROGATE SPIKE RESULTS

		No. Samples	No. Samples J	No. Samples R
VOA8015	Water:	10	0	0
(TPHg)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
VOA8260	Water:	10	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8015	Water:	6	0	0
(TPHd,o)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8270	Water:	6	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8310	Water:	6	0	0
(PAHs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
PCB 8082	Water:	6	0	0
(PCBs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA

NA – Not analyzed.

REMARKS:
1. None.

VII. MATRIX SPIKE RESULTS

		No. Compounds	No. Out Criteria	No. <10% Recovery
VOA8015	Water:	1	0	0
(TPHg)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
VOA8260	Water:	5	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8015	Water:	1	0	0
(TPHd,o)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8270	Water:	11	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8310	Water:	8	0	0
(PAHs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
PCB 8082	Water:	28	0	0
(PCBs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA

NA – Not analyzed.

REMARKS:
None.

VIII. MATRIX SPIKE DUPLICATE RESULTS

		No. Compounds	No. Outside Criteria
VOA8015	Water:	1	0
(TPHg)	Soil:	NA	NA
	Waste:	NA	NA
VOA8260	Water:	5	0
	Soil:	NA	NA
	Waste:	NA	NA
SEMIV 8015	Water:	1	0
(NWTPH)	Soil:	NA	NA
	Waste:	NA	NA
SEMIV 8270	Water:	11	0
	Soil:	NA	NA
	Waste:	NA	NA
SEMIV 8310	Water:	8	0
(PAHs)	Soil:	NA	NA
	Waste:	NA	NA
PCB 8082	Water:	28	0
(PCBs)	Soil:	NA	NA
	Waste:	NA	NA

NA – Not analyzed.

REMARKS:
None.

IX. FIELD DUPLICATE SAMPLE RESULTS

Water:	VOA8015: A	VOA8260: A
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

Water:	SEMI 8015: A	SEMI 8270: A	SEMI 8310: A
Soil:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Waste:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA

Water:	PEST8081: NA	PCB8082: A	SMWW 5550: NA
Soil:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA
Waste:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA

A - Acceptable - the same compounds were identified in the primary and duplicate samples with minor differences in concentration
P - Provisional - the same compounds were identified in the primary and duplicate samples with major differences in concentration. These discrepancies could cause the data to be useful only for limited purposes.
U - Unacceptable - differences were found in compound identifications in the primary and duplicate samples. These discrepancies could cause the results for this fraction to be used for limited purposes or be considered unusable.
NA – Not analyzed.

REMARKS:
1. None.

X. TRIP BLANK SAMPLE RESULTS

Water:	VOA8015: A	VOA8260: A
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

A - Acceptable - No contaminants above minimum detection limits; no interference with sample results.
P - Provisional - Contaminants present but minimal interference with sample results.
U - Unacceptable - Gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Trip blanks were contaminated as shown below:

1. Bromoform, dibromochloromethane, and toluene were reported above the QL in trip blank sample MW-2.1-081505-TB1 (sample –001). Concentrations in corresponding samples were below the MDL, so no data were qualified.
2. Acetone, bromodichloromethane, isopropanol, methylene chloride, and m, p-xylenes were reported between the MDL and the QL in trip blank sample MW-2.1-081505-TB1 (sample –001). Concentrations in corresponding samples were below the MDL, so no data were qualified.

XI. EQUIPMENT BLANK SAMPLE RESULTS

Water:	NA
Soil:	NA
Waste:	NA

A - Acceptable - No contaminants above minimum detection limits; no interference with sample results.
P - Provisional - Contaminants present but minimal interference with sample results.
U - Unacceptable - Gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Equipment blanks were contaminated as shown below:

1. Equipment blanks were not collected. Sampling equipment consisted of dedicated tubing at each sampling point and a peristaltic pump.

XII. SUMMARY OF QUALIFIED DATA

Data that have been assigned qualifiers as part of this review are listed on the attached Table 2.

INORGANIC DATA

I. SUMMARY OF PROBLEMS/ COMMENTS

Overall, the data quality is good and the data are acceptable for use.

Completeness: The analytical results are with the QAQ-specified ranges for data useability.

II. DATA VERIFICATION REVIEW

SAMPLE COLLECTION AND CHAIN OF CUSTODY, REMARKS:
No exceptions noted.

SAMPLE RECEIPT, INCLUDING CONDITION AND PRESERVATION, FIELD FILTRATION, REMARKS:
No exceptions noted. Metal samples were field filtered.

SAMPLE PREPARATION, SAMPLE CLEANUP METHOD, REMARKS:
No exceptions noted.

SAMPLE ANALYSIS, INCLUDING ANALYTICAL METHOD AND PROJECT SPECIFIC REPORTING LIMITS:

		No. Samples	No. Exceptions	Note:
6000/7000	Water:	6	0	
Metals	Soil:	NA	NA	
	Waste:	NA	NA	

NA – Not analyzed.

REMARKS:
1. Samples –008 through –010 included VOAs only, with extractable fraction included in a separate COC.
2. Metals data were reprocessed on 9/23/05 to provide lower reporting limits as originally requested.

III. SAMPLE HOLDING TIMES (WATER ONLY)

	Number Samples	Number Late
6000/7000 Metals	6	0

REMARKS:
None.

IV. LABORATORY CONTROL SAMPLES

Water: 6000/7000: A
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable – all criteria met.
P - Provisional – some criteria not met; data useable. See remarks.
U - Unacceptable - criteria not met; data unuseable. See remarks
NA – Not analyzed.

REMARKS:
None.

V. METHOD BLANK ANALYSIS

Water: 6000/7000: A
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable - no contaminants above minimum detection limits; no interference with sample results.
P - Provisional - contaminants present but minimal interference with sample results.
U - Unacceptable - gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Method blanks were contaminated as shown below:
None.

VI. MATRIX SPIKE RESULTS

		No. Compounds	No. Out Criteria	No. <10% Recovery
6000/7000	Water:	17	0	0
Metals	Soil:	NA	NA	NA
	Waste:	NA	NA	NA

NA – Not analyzed.

REMARKS:
None.

VII. MATRIX SPIKE DUPLICATE RESULTS

		No. Compounds	No. Outside Criteria
6000/7000	Water:	17	1
Metals	Soil:	NA	NA
	Waste:	NA	NA

NA – Not analyzed.

REMARKS:
1. A low MS recovery was noted for zinc; however, it was outside of the criterion by 1 percent only, and the MSD recovery and MS/MSD RPD were both within the specified criteria. The BS and BSD results were also acceptable. No data were qualified.

VIII. FIELD DUPLICATE SAMPLE RESULTS

Water: 6000/7000: A
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable - the same compounds were identified in the primary and duplicate samples with minor differences in concentration
P - Provisional - the same compounds were identified in the primary and duplicate samples with major differences in concentration. These discrepancies could cause the data to be useful only for limited purposes.
U - Unacceptable - differences were found in compound identifications in the primary and duplicate samples. These discrepancies could cause the results for this fraction to be used for limited purposes or be considered unusable.
NA – Not analyzed.

REMARKS:
1. None.

IX. EQUIPMENT BLANK SAMPLE RESULTS

Water: 6000/7000: NA
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable - No contaminants above minimum detection limits; no interference with sample results.
P - Provisional - Contaminants present but minimal interference with sample results.
U - Unacceptable - Gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Equipment blanks were contaminated as shown below:

1. Equipment blanks were not collected. Sampling equipment consisted of dedicated tubing at each sampling point and a peristaltic pump.

X. SUMMARY OF QUALIFIED DATA

Data that have been assigned qualifiers as part of this review are listed on the attached Table 2.

TABLE 1
SAMPLES INCLUDED IN THIS QUALITY ASSURANCE REVIEW

Location	Sample ID	Sample Date	Matrix	Type	Lab ID	Receipt Date	ID on COC
MW-2.1	MW-2.1-081505-TB1	8/15/2005	Water Quality Control Matrix	Trip Blank	181301-001	8/17/2005	MW2.1-081505TB1
MW-2.1	MW-2.1-081505	8/15/2005	Ground Water	Normal Environmental Sample	181301-002	8/17/2005	MW2.1-081505
MW-2.2	MW-2.2-081505	8/15/2005	Ground Water	Normal Environmental Sample	181301-003	8/17/2005	MW2.2-081505
MW-2.3	MW-2.3-081505	8/15/2005	Ground Water	Normal Environmental Sample	181301-004	8/17/2005	MW2.3-081505
MW-3.1	MW-3.1-081605	8/16/2005	Ground Water	Normal Environmental Sample	181301-005	8/17/2005	MW3.1-081605
MW-3.2	MW-3.2-081605	8/16/2005	Ground Water	Normal Environmental Sample	181301-006	8/17/2005	MW3.2-081605
MW-3.1	MW-3.1-081605-FD	8/16/2005	Ground Water	Field Duplicate	181301-007	8/17/2005	MW-DUP-1-081605
MW-3.3	MW-3.3-081605	8/16/2005	Ground Water	Normal Environmental Sample	181301-008	8/17/2005	MW3.3-081605
MW-3.4	MW-3.4-081605	8/16/2005	Ground Water	Normal Environmental Sample	181301-009	8/17/2005	MW3.4-081605
MW-3.5	MW-3.5-081605	8/16/2005	Ground Water	Normal Environmental Sample	181301-010	8/17/2005	MW3.5-081605

TABLE 2
SUMMARY OF QUALIFIED DATA

Sample ID	Lab ID	Method	Analysis Date	Analysis Time	Chemical	Result	Units	Detect Flag	Lab Qual	Review Qual	MDL	EQL
MW-3.1-081605	181301-005	EPA 8015B	8/21/2005	6:17:00 PM	Diesel C10-C24	19	ug/l	Y	JY	u	13	50
MW-3.1-081605-FD	181301-007	EPA 8015B	8/21/2005	7:14:00 PM	Diesel C10-C24	23	ug/l	Y	JY	u	13	50

DATA VALIDATION REPORT

Project Name:	Georgia-Pacific California Wood Products Manufacturing Facility
Project Location:	90 West Redwood Avenue, Fort Bragg, California
Project Number:	16017.01
Project Activity:	Quarterly Ground Water Monitoring, Third Quarter 2005
Laboratory:	Curtis & Tompkins Ltd., Berkeley, California
Sample Deliverable Group:	181341
Sample Date:	8/16-17/05
Sample Matrix Types:	Water
Samples:	See attached Table 1.
Report Date Final:	12/21/05
Review By:	J.R. Heglie

This quality assurance review is in accordance with the *Quality Assurance Plan (QAP),* which is Appendix C of the Acton • Mickelson • Environmental, Inc., June 9, 2005, *Work Plan for Additional Site Assessment, Georgia-Pacific California Wood Products Manufacturing Facility.* Referenced guidance documents include U.S. EPA, January 2005, *US EPA Contract Laboratory Program, National Functional Guidelines for Superfund Organic Methods Review, Draft Final*, USEPA-540-R-04-009, U.S. EPA, October 1999, *US EPA Contract Laboratory Program, National Functional Guidelines for Organic Data Review*, EPA 540/R-99/008 and U.S. EPA, July 2002, *US EPA Contract Laboratory Program, National Functional Guidelines for Inorganic Data Review*, EPA 540/R-01/008.

ORGANIC DATA

I. SUMMARY OF PROBLEMS/ COMMENTS

Overall, the data quality is good and the data are acceptable for use. A portion of the data has been qualified due to method blank contamination.

Completeness: The analytical results are within the QAQ-specified ranges for data useability.

II. DATA VERIFICATION REVIEW

SAMPLE COLLECTION AND CHAIN OF CUSTODY. REMARKS:
No exceptions noted.

SAMPLE RECEIPT, INCLUDING CONDITION AND PRESERVATION, REMARKS:
No exceptions noted. One 1-liter amber bottle was broken, but sufficient volume was received to perform the requested analyses.

SAMPLE PREPARATION, SAMPLE CLEANUP METHOD, REMARKS:
No exceptions noted.

SAMPLE ANALYSIS, INCLUDING ANALYTICAL METHOD AND PROJECT SPECIFIC REPORTING LIMITS:

		No. Samples	No. Exceptions	Note:
VOA8015	Water:	12	0	
(TPHg)	Soil:	NA	NA	
	Waste:	NA	NA	
VOA8260	Water:	12	0	
	Soil:	NA	NA	
	Waste:	NA	NA	
SEMIV 8015	Water:	14	0	
(TPHd,o)	Soil:	NA	NA	
	Waste:	NA	NA	
SEMIV 8270	Water:	14	0	
	Soil:	NA	NA	
	Waste:	NA	NA	
SEMIV 8310	Water:	14	0	
(PAHs)	Soil:	NA	NA	
	Waste:	NA	NA	
PCB 8082	Water:	14	0	
(PCBs)	Soil:	NA	NA	
	Waste:	NA	NA	

NA – Not analyzed.

REMARKS:

1. Samples –002 through –004 included extractables only, with VOA fraction included in a separate COC.

III. SAMPLE HOLDING TIMES

VOA	Number Samples	Number Late
Water	12	0
Soil	NA	0
Waste	NA	0

SEMIVOLATILE	Number Samples	Number Late
Water	14	0
Soil	NA	0
Waste	NA	0

PESTICIDE/ PCB	Number Samples	Number Late
Water	14	0
Soil	NA	0
Waste	NA	0

REMARKS:

1. None.

IV. LABORATORY CONTROL SAMPLES

Water:	VOA8015: A	VOA8260: A
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

Water:	SEMI 8015: A	SEMI 8270: A	SEMI 8310: A
Soil:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Waste:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA

Water:	PEST8081: NA	PCB8082: A	SMWW 5550: NA
Soil:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA
Waste:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA

A - Acceptable – all criteria met.
P - Provisional – some criteria not met; data useable. See remarks.
U - Unacceptable - criteria not met; data unuseable. See remarks
NA – Not analyzed.

REMARKS:
None.

V. METHOD BLANK ANALYSIS

Water:	VOA8015: A	VOA8260: A
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

Water:	SEMI 8015: P	SEMI 8270: A	SEMI 8310: A
Soil:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Waste:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA

Water:	PEST8081: NA	PCB8082: A	SMWW 5550: NA
Soil:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA
Waste:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA

A - Acceptable - no contaminants above minimum detection limits; no interference with sample results.
P - Provisional - contaminants present but minimal interference with sample results.
U - Unacceptable - gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Method blanks were contaminated as shown below:

1. Chloroform was detected between the MDL and the EQL in the method blank for batch 105049. Concentrations in corresponding samples were below the MDL, so no data were qualified.
2. Diesel was reported between the MDL and the EQL in the method blank for batch 105027. Results for the sample with a reported concentration between the MDL and EQL (sample -011 for MW-3.8) was qualified as not detected ("u").

VI. SURROGATE SPIKE RESULTS

		No. Samples	No. Samples J	No. Samples R
VOA8015	Water:	12	0	0
(TPHg)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
VOA8260	Water:	12	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8015	Water:	14	0	0
(TPHd,o)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8270	Water:	14	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8310	Water:	14	0	0
(PAHs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
PCB 8082	Water:	14	0	0
(PCBs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA

NA – Not analyzed.

REMARKS:

1. Marginally low surrogate recoveries were reported for TCMX in 5 samples (34 to 36 percent versus a criterion of 37 percent); however, the recovery of the associated BZ# 205 surrogate was within the specified criteria. Also, all PCB congeners were below the MDL in these samples. No data were qualified.

VII. MATRIX SPIKE RESULTS

		No. Compounds	No. Out Criteria	No. <10% Recovery
VOA8015	Water:	1	0	0
(TPHg)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
VOA8260	Water:	5	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8015	Water:	1	0	0
(TPHd,o)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8270	Water:	11	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8310	Water:	8	0	0
(PAHs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
PCB 8082	Water:	28	0	0
(PCBs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA

NA – Not analyzed.

REMARKS:
None.

VIII. MATRIX SPIKE DUPLICATE RESULTS

		No. Compounds	No. Outside Criteria
VOA8015	Water:	1	0
(TPHg)	Soil:	NA	NA
	Waste:	NA	NA
VOA8260	Water:	5	0
	Soil:	NA	NA
	Waste:	NA	NA
SEMIV 8015	Water:	1	0
(NWTPH)	Soil:	NA	NA
	Waste:	NA	NA
SEMIV 8270	Water:	11	0
	Soil:	NA	NA
	Waste:	NA	NA
SEMIV 8310	Water:	8	0
(PAHs)	Soil:	NA	NA
	Waste:	NA	NA
PCB 8082	Water:	28	0
(PCBs)	Soil:	NA	NA
	Waste:	NA	NA

NA – Not analyzed.

REMARKS:
None.

IX. FIELD DUPLICATE SAMPLE RESULTS

Water:	VOA8015: A	VOA8260: A
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

Water:	SEMI 8015: A	SEMI 8270: A	SEMI 8310: A
Soil:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Waste:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA

Water:	PEST8081: NA	PCB8082: A	SMWW 5550: NA
Soil:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA
Waste:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA

A - Acceptable - the same compounds were identified in the primary and duplicate samples with minor differences in concentration
P - Provisional - the same compounds were identified in the primary and duplicate samples with major differences in concentration. These discrepancies could cause the data to be useful only for limited purposes.
U - Unacceptable - differences were found in compound identifications in the primary and duplicate samples. These discrepancies could cause the results for this fraction to be used for limited purposes or be considered unusable.
NA – Not analyzed.

REMARKS:
1. None.

X. TRIP BLANK SAMPLE RESULTS

Water:	VOA8015: A	VOA8260: A
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

A - Acceptable - No contaminants above minimum detection limits; no interference with sample results.
P - Provisional - Contaminants present but minimal interference with sample results.
U - Unacceptable - Gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Trip blanks were contaminated as shown below:
None.

XI. EQUIPMENT BLANK SAMPLE RESULTS

Water: NA
Soil: NA
Waste: NA

A - Acceptable - No contaminants above minimum detection limits; no interference with sample results.
P - Provisional - Contaminants present but minimal interference with sample results.
U - Unacceptable - Gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Equipment blanks were contaminated as shown below:

1. Equipment blanks were not collected. Sampling equipment consisted of dedicated tubing at each sampling point and a peristaltic pump.

XII. SUMMARY OF QUALIFIED DATA

Data that have been assigned qualifiers as part of this review are listed on the attached Table 2.

INORGANIC DATA

I. SUMMARY OF PROBLEMS/ COMMENTS

Overall, the data quality is good and the data are acceptable for use.

Completeness: The analytical results are with the QAQ-specified ranges for data useability.

II. DATA VERIFICATION REVIEW

SAMPLE COLLECTION AND CHAIN OF CUSTODY, REMARKS:
No exceptions noted.

SAMPLE RECEIPT, INCLUDING CONDITION AND PRESERVATION, FIELD FILTRATION, REMARKS:
No exceptions noted. Metal samples were field filtered.

SAMPLE PREPARATION, SAMPLE CLEANUP METHOD, REMARKS:
No exceptions noted.

SAMPLE ANALYSIS, INCLUDING ANALYTICAL METHOD AND PROJECT SPECIFIC REPORTING LIMITS:

		No. Samples	No. Exceptions	Note:
6000/7000	Water:	14	0	
Metals	Soil:	NA	NA	
	Waste:	NA	NA	

NA – Not analyzed.

REMARKS:
1. Metals data were reprocessed on 9/23/05 to provide lower reporting limits as originally requested.

III. SAMPLE HOLDING TIMES (WATER ONLY)

	Number Samples	Number Late
6000/7000 Metals	14	0

REMARKS:
None.

IV. LABORATORY CONTROL SAMPLES

Water: 6000/7000: A
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable – all criteria met.
P - Provisional – some criteria not met; data useable. See remarks.
U - Unacceptable - criteria not met; data unuseable. See remarks
NA – Not analyzed.

REMARKS:
None.

V. METHOD BLANK ANALYSIS

Water: 6000/7000: A
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable - no contaminants above minimum detection limits; no interference with sample results.
P - Provisional - contaminants present but minimal interference with sample results.
U - Unacceptable - gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Method blanks were contaminated as shown below:
None.

VI. MATRIX SPIKE RESULTS

		No. Compounds	No. Out Criteria	No. <10% Recovery
6000/7000	Water:	17	0	0
Metals	Soil:	NA	NA	NA
	Waste:	NA	NA	NA

NA – Not analyzed.

REMARKS:
None.

VII. MATRIX SPIKE DUPLICATE RESULTS

		No. Compounds	No. Outside Criteria
6000/7000	Water:	17	0
Metals	Soil:	NA	NA
	Waste:	NA	NA

NA – Not analyzed.

REMARKS:
None.

VIII. FIELD DUPLICATE SAMPLE RESULTS

Water: 6000/7000: A
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable - the same compounds were identified in the primary and duplicate samples with minor differences in concentration
P - Provisional - the same compounds were identified in the primary and duplicate samples with major differences in concentration. These discrepancies could cause the data to be useful only for limited purposes.
U - Unacceptable - differences were found in compound identifications in the primary and duplicate samples. These discrepancies could cause the results for this fraction to be used for limited purposes or be considered unusable.
NA – Not analyzed.

REMARKS:
1. None.

IX. EQUIPMENT BLANK SAMPLE RESULTS

Water: 6000/7000: NA
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable - No contaminants above minimum detection limits; no interference with sample results.
P - Provisional - Contaminants present but minimal interference with sample results.
U - Unacceptable - Gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Equipment blanks were contaminated as shown below:

1. Equipment blanks were not collected. Sampling equipment consisted of dedicated tubing at each sampling point and a peristaltic pump.

X. SUMMARY OF QUALIFIED DATA

Data that have been assigned qualifiers as part of this review are listed on the attached Table 2.

TABLE 1
SAMPLES INCLUDED IN THIS QUALITY ASSURANCE REVIEW

Location	Sample ID	Sample Date	Matrix	Type	Lab ID	Receipt Date	ID on COC
MW-3.5	MW-3.5-081605-TB2	8/16/2005	Water Quality Control Matrix	Trip Blank	181341-001	8/18/2005	MW3.5-081605TB2
MW-3.3	MW-3.3-081605B	8/16/2005	Ground Water	Normal Environmental Sample	181341-002	8/18/2005	MW3.3-081605
MW-3.4	MW-3.4-081605B	8/16/2005	Ground Water	Normal Environmental Sample	181341-003	8/18/2005	MW3.4-081605
MW-3.5	MW-3.5-081605B	8/16/2005	Ground Water	Normal Environmental Sample	181341-004	8/18/2005	MW3.5-081605
MW-3.6	MW-3.6-081605	8/16/2005	Ground Water	Normal Environmental Sample	181341-005	8/18/2005	MW3.6-081605
MW-5.2	MW-5.2-	8/16/2005	Ground	Normal	181341-	8/18/2005	MW5.2-

Location	Sample ID	Sample Date	Matrix	Type	Lab ID	Receipt Date	ID on COC
	081605		Water	Environmental Sample	006		081605
MW-5.4	MW-5.4-081605-FD	8/16/2005	Ground Water	Field Duplicate	181341-007	8/18/2005	MWDUP2-081605
MW-5.3	MW-5.3-081605	8/16/2005	Ground Water	Normal Environmental Sample	181341-008	8/18/2005	MW5.3-081605
MW-5.4	MW-5.4-081605	8/16/2005	Ground Water	Normal Environmental Sample	181341-009	8/18/2005	MW5.4-081605
MW-3.7	MW-3.7-081705	8/17/2005	Ground Water	Normal Environmental Sample	181341-010	8/18/2005	MW3.7-081705
MW-3.8	MW-3.8-081705	8/17/2005	Ground Water	Normal Environmental Sample	181341-011	8/18/2005	MW3.8-081705
MW-3.9	MW-3.9-081705	8/17/2005	Ground Water	Normal Environmental Sample	181341-012	8/18/2005	MW3.9-081705
MW-5.5	MW-5.5-081705	8/17/2005	Ground Water	Normal Environmental Sample	181341-013	8/18/2005	MW5.5-081705
MW-5.6	MW-5.6-081705	8/17/2005	Ground Water	Normal Environmental Sample	181341-014	8/18/2005	MW5.6-081705
MW-5.7	MW-5.7-081705	8/17/2005	Ground Water	Normal Environmental Sample	181341-015	8/18/2005	MW5.7-081705

TABLE 2
SUMMARY OF QUALIFIED DATA

Sample ID	Lab ID	Method	Analysis Date	Analysis Time	Chemical	Result	Units	Detect Flag	Lab Qual	Review Qual	MDL	EQL
MW-3.8-081705	181341-011	EPA 8015B	8/24/2005	12:23:00 PM	Diesel C10-C24	20	ug/l	Y	JY	u	13	50

DATA VALIDATION REPORT

Project Name:	Georgia-Pacific California Wood Products Manufacturing Facility
Project Location:	90 West Redwood Avenue, Fort Bragg, California
Project Number:	16017.01
Project Activity:	Quarterly Ground Water Monitoring, Third Quarter 2005
Laboratory:	Curtis & Tompkins Ltd., Berkeley, California
Sample Deliverable Group:	181361
Sample Date:	8/17-18/05
Sample Matrix Types:	Water
Samples:	See attached Table 1.
Report Date Final:	12/21/05
Review By:	J.R. Heglie

This quality assurance review is in accordance with the *Quality Assurance Plan (QAP),* which is Appendix C of the Acton • Mickelson • Environmental, Inc., June 9, 2005, *Work Plan for Additional Site Assessment, Georgia-Pacific California Wood Products Manufacturing Facility.* Referenced guidance documents include U.S. EPA, January 2005, *US EPA Contract Laboratory Program, National Functional Guidelines for Superfund Organic Methods Review, Draft Final*, USEPA-540-R-04-009, U.S. EPA, October 1999, *US EPA Contract Laboratory Program, National Functional Guidelines for Organic Data Review*, EPA 540/R-99/008 and U.S. EPA, July 2002, *US EPA Contract Laboratory Program, National Functional Guidelines for Inorganic Data Review*, EPA 540/R-01/008.

ORGANIC DATA

I. SUMMARY OF PROBLEMS/ COMMENTS

Overall, the data quality is good and the data are acceptable for use.

Completeness: The analytical results are within the QAQ-specified ranges for data useability.

II. DATA VERIFICATION REVIEW

SAMPLE COLLECTION AND CHAIN OF CUSTODY. REMARKS:
No exceptions noted.

SAMPLE RECEIPT, INCLUDING CONDITION AND PRESERVATION, REMARKS:
No exceptions noted.

SAMPLE PREPARATION, SAMPLE CLEANUP METHOD, REMARKS:
No exceptions noted.

SAMPLE ANALYSIS, INCLUDING ANALYTICAL METHOD AND PROJECT SPECIFIC REPORTING LIMITS:

		No. Samples	No. Exceptions	Note:
VOA8015	Water:	9	0	
(TPHg)	Soil:	NA	NA	
	Waste:	NA	NA	
VOA8260	Water:	9	0	
	Soil:	NA	NA	
	Waste:	NA	NA	
SEMIV 8015	Water:	8	0	
(TPHd,o)	Soil:	NA	NA	
	Waste:	NA	NA	
SEMIV 8270	Water:	8	0	
	Soil:	NA	NA	
	Waste:	NA	NA	
SEMIV 8310	Water:	8	0	
(PAHs)	Soil:	NA	NA	
	Waste:	NA	NA	
PCB 8082	Water:	8	0	
(PCBs)	Soil:	NA	NA	
	Waste:	NA	NA	

NA – Not analyzed.

REMARKS:
1. None.

III. SAMPLE HOLDING TIMES

VOA	Number Samples	Number Late
Water	9	0
Soil	NA	0
Waste	NA	0

SEMIVOLATILE	Number Samples	Number Late
Water	8	0
Soil	NA	0
Waste	NA	0

PESTICIDE/ PCB	Number Samples	Number Late
Water	8	0
Soil	NA	0
Waste	NA	0

REMARKS:
1. None.

IV. LABORATORY CONTROL SAMPLES

Water:	VOA8015: A	VOA8260: A
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

Water:	SEMI 8015: A	SEMI 8270: A	SEMI 8310: A
Soil:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Waste:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA

Water:	PEST8081: NA	PCB8082: A	SMWW 5550: NA
Soil:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA
Waste:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA

A - Acceptable – all criteria met.
P - Provisional – some criteria not met; data useable. See remarks.
U - Unacceptable - criteria not met; data unuseable. See remarks
NA – Not analyzed.

REMARKS:
None.

V. METHOD BLANK ANALYSIS

Water:	VOA8015: A	VOA8260: A
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

Water:	SEMI 8015: A	SEMI 8270: A	SEMI 8310: A
Soil:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Waste:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA

Water:	PEST8081: NA	PCB8082: A	SMWW 5550: NA
Soil:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA
Waste:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA

A - Acceptable - no contaminants above minimum detection limits; no interference with sample results.
P - Provisional - contaminants present but minimal interference with sample results.
U - Unacceptable - gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Method blanks were contaminated as shown below:

1. Chloroform, naphthalene, and 1,2,4-trichlorobenzene were detected between the MDL and the RL in the method blank for batch 105118. Concentrations in corresponding samples were below the MDL, so no data were qualified.
2. Diesel was reported between the MDL and the EQL in the method blank for batch 105027. Concentrations in corresponding samples were below the MDL, so no data were qualified.

1.

VI. SURROGATE SPIKE RESULTS

		No. Samples	No. Samples J	No. Samples R
VOA8015	Water:	9	0	0
(TPHg)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
VOA8260	Water:	9	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8015	Water:	8	0	0
(TPHd,o)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8270	Water:	8	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8310	Water:	8	0	0
(PAHs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
PCB 8082	Water:	8	0	0
(PCBs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA

NA – Not analyzed.

REMARKS:

1. In sample –004 (for MW-4.4) high surrogate recoveries were noted for 2 out of the 5 surrogates; however, a low surrogate recovery was noted for phenol-d5 due to matrix interference. Since no analytes other than bis(2-ethylhexly) phthalate were reported above the MDL and since the surrogates exhibited no consistent trend, no data were qualified.

VII. MATRIX SPIKE RESULTS

		No. Compounds	No. Out Criteria	No. <10% Recovery
VOA8015	Water:	1	0	0
(TPHg)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
VOA8260	Water:	5	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8015	Water:	1	0	0
(TPHd,o)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8270	Water:	11	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8310	Water:	8	0	0
(PAHs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
PCB 8082	Water:	28	0	0
(PCBs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA

NA – Not analyzed.

REMARKS:
None.

VIII. MATRIX SPIKE DUPLICATE RESULTS

		No. Compounds	No. Outside Criteria
VOA8015	Water:	1	0
(TPHg)	Soil:	NA	NA
	Waste:	NA	NA
VOA8260	Water:	5	0
	Soil:	NA	NA
	Waste:	NA	NA
SEMIV 8015	Water:	1	0
(NWTPH)	Soil:	NA	NA
	Waste:	NA	NA
SEMIV 8270	Water:	11	0
	Soil:	NA	NA
	Waste:	NA	NA
SEMIV 8310	Water:	8	0
(PAHs)	Soil:	NA	NA
	Waste:	NA	NA
PCB 8082	Water:	28	0
(PCBs)	Soil:	NA	NA
	Waste:	NA	NA

NA – Not analyzed.

REMARKS:
None.

IX. FIELD DUPLICATE SAMPLE RESULTS

Water:	VOA8015: A	VOA8260: A
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

Water:	SEMI 8015: A	SEMI 8270: A	SEMI 8310: A
Soil:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Waste:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA

Water:	PEST8081: NA	PCB8082: A	SMWW 5550: NA
Soil:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA
Waste:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA

A - Acceptable - the same compounds were identified in the primary and duplicate samples with minor differences in concentration
P - Provisional - the same compounds were identified in the primary and duplicate samples with major differences in concentration. These discrepancies could cause the data to be useful only for limited purposes.
U - Unacceptable - differences were found in compound identifications in the primary and duplicate samples. These discrepancies could cause the results for this fraction to be used for limited purposes or be considered unusable.
NA – Not analyzed.

REMARKS:
1. No field duplicates were collected as part of this SDG. Samples are qualified based on acceptable results from field duplicates collected with other SGDs during this sampling event.

X. TRIP BLANK SAMPLE RESULTS

Water:	VOA8015: A	VOA8260: P
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

A - Acceptable - No contaminants above minimum detection limits; no interference with sample results.
P - Provisional - Contaminants present but minimal interference with sample results.
U - Unacceptable - Gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Trip blanks were contaminated as shown below:

1. Acetone was reported between the MDL and the QL in trip blank sample MW-5.9-081805-TB3 (sample –009). Concentrations in corresponding samples were below the MDL, so no data were qualified.

XI. EQUIPMENT BLANK SAMPLE RESULTS

Water:	NA
Soil:	NA
Waste:	NA

A - Acceptable - No contaminants above minimum detection limits; no interference with sample results.
P - Provisional - Contaminants present but minimal interference with sample results.
U - Unacceptable - Gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Equipment blanks were contaminated as shown below:

1. Equipment blanks were not collected. Sampling equipment consisted of dedicated tubing at each sampling point and a peristaltic pump.

XII. SUMMARY OF QUALIFIED DATA

Data that have been assigned qualifiers as part of this review are listed on the attached Table 2.

INORGANIC DATA

I. SUMMARY OF PROBLEMS/ COMMENTS

Overall, the data quality is good and the data are acceptable for use.

Completeness: The analytical results are with the QAQ-specified ranges for data useability.

II. DATA VERIFICATION REVIEW

SAMPLE COLLECTION AND CHAIN OF CUSTODY, REMARKS:
No exceptions noted.

SAMPLE RECEIPT, INCLUDING CONDITION AND PRESERVATION, FIELD FILTRATION, REMARKS:
No exceptions noted. Metal samples were field filtered.

SAMPLE PREPARATION, SAMPLE CLEANUP METHOD, REMARKS:
No exceptions noted.

SAMPLE ANALYSIS, INCLUDING ANALYTICAL METHOD AND PROJECT SPECIFIC REPORTING LIMITS:

		No. Samples	No. Exceptions	Note:
6000/7000	Water:	9	0	
Metals	Soil:	NA	NA	
	Waste:	NA	NA	

NA – Not analyzed.

REMARKS:
1. Metals data were reprocessed on 9/23/05 to provide lower reporting limits as originally requested.

III. SAMPLE HOLDING TIMES (WATER ONLY)

	Number Samples	Number Late
6000/7000 Metals	9	0

REMARKS:
None.

IV. LABORATORY CONTROL SAMPLES

Water: 6000/7000: A
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable – all criteria met.
P - Provisional – some criteria not met; data useable. See remarks.
U - Unacceptable - criteria not met; data unuseable. See remarks
NA – Not analyzed.

REMARKS:
None.

V. METHOD BLANK ANALYSIS

Water: 6000/7000: A
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable - no contaminants above minimum detection limits; no interference with sample results.
P - Provisional - contaminants present but minimal interference with sample results.
U - Unacceptable - gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Method blanks were contaminated as shown below:
None.

VI. MATRIX SPIKE RESULTS

		No. Compounds	No. Out Criteria	No. <10% Recovery
6000/7000	Water:	17	0	0
Metals	Soil:	NA	NA	NA
	Waste:	NA	NA	NA

NA – Not analyzed.

REMARKS:
None.

VII. MATRIX SPIKE DUPLICATE RESULTS

		No. Compounds	No. Outside Criteria
6000/7000	Water:	17	1
Metals	Soil:	NA	NA
	Waste:	NA	NA

NA – Not analyzed.

REMARKS:
1. A low MS recovery was noted for zinc; however, it was outside of the criterion by 1 percent only, and the MSD recovery and MS/MSD RPD were both within the specified criteria. The BS and BSD results were also acceptable. No data were qualified.

VIII. FIELD DUPLICATE SAMPLE RESULTS

Water: 6000/7000: A
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable - the same compounds were identified in the primary and duplicate samples with minor differences in concentration
P - Provisional - the same compounds were identified in the primary and duplicate samples with major differences in concentration. These discrepancies could cause the data to be useful only for limited purposes.
U - Unacceptable - differences were found in compound identifications in the primary and duplicate samples. These discrepancies could cause the results for this fraction to be used for limited purposes or be considered unusable.
NA – Not analyzed.

REMARKS:
1. No field duplicates were collected as part of this SDG. Samples are qualified based on acceptable results from field duplicates collected with other SGDs during this sampling event.

IX. EQUIPMENT BLANK SAMPLE RESULTS

Water: 6000/7000: NA
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable - No contaminants above minimum detection limits; no interference with sample results.
P - Provisional - Contaminants present but minimal interference with sample results.
U - Unacceptable - Gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Equipment blanks were contaminated as shown below:
1. Equipment blanks were not collected. Sampling equipment consisted of dedicated tubing at each sampling point and a peristaltic pump.

X. SUMMARY OF QUALIFIED DATA

Data that have been assigned qualifiers as part of this review are listed on the attached Table 2.

TABLE 1
SAMPLES INCLUDED IN THIS QUALITY ASSURANCE REVIEW

Location	Sample ID	Sample Date	Matrix	Type	Lab ID	Receipt Date	ID on COC
MW-4.1	MW-4.1-081805	8/18/2005	Ground Water	Normal Environmental Sample	181361-001	8/19/2005	MW-4.1-081805
MW-4.2	MW-4.2-081805	8/18/2005	Ground Water	Normal Environmental Sample	181361-002	8/19/2005	MW-4.2-081805
MW-4.3	MW-4.3-081705	8/17/2005	Ground Water	Normal Environmental Sample	181361-003	8/19/2005	MW-4.3-081705
MW-4.4	MW-4.4-081705	8/17/2005	Ground Water	Normal Environmental Sample	181361-004	8/19/2005	MW-4.4-081705
MW-5.8	MW-5.8-081705	8/17/2005	Ground Water	Normal Environmental Sample	181361-005	8/19/2005	MW-5.8-081705
MW-5.9	MW-5.9-081805	8/18/2005	Ground Water	Normal Environmental Sample	181361-006	8/19/2005	MW-5.9-081805
MW-7.1	MW-7.1-081805	8/18/2005	Ground Water	Normal Environmental Sample	181361-007	8/19/2005	MW-7.1-081805
MW-10.4	MW-10.4-081805	8/18/2005	Ground Water	Normal Environmental Sample	181361-008	8/19/2005	MW-10.4-081805
MW-5.9	MW-5.9-081805-TB3	8/18/2005	Water Quality Control Matrix	Trip Blank	181361-009	8/19/2005	MW-5.9-081805TB3

TABLE 2
SUMMARY OF QUALIFIED DATA

None.

DATA VALIDATION REPORT

Project Name:	Georgia-Pacific California Wood Products Manufacturing Facility
Project Location:	90 West Redwood Avenue, Fort Bragg, California
Project Number:	16017.01
Project Activity:	Quarterly Ground Water Monitoring, Third Quarter 2005
Laboratory:	Curtis & Tompkins Ltd., Berkeley, California
Sample Deliverable Group:	181365
Sample Date:	8/18-19/05
Sample Matrix Types:	Water
Samples:	See attached Table 1.
Report Date Final:	12/21/05
Review By:	J.R. Heglie

This quality assurance review is in accordance with the *Quality Assurance Plan (QAP),* which is Appendix C of the Acton • Mickelson • Environmental, Inc., June 9, 2005, *Work Plan for Additional Site Assessment, Georgia-Pacific California Wood Products Manufacturing Facility.* Referenced guidance documents include U.S. EPA, January 2005, *US EPA Contract Laboratory Program, National Functional Guidelines for Superfund Organic Methods Review, Draft Final*, USEPA-540-R-04-009, U.S. EPA, October 1999, *US EPA Contract Laboratory Program, National Functional Guidelines for Organic Data Review*, EPA 540/R-99/008 and U.S. EPA, July 2002, *US EPA Contract Laboratory Program, National Functional Guidelines for Inorganic Data Review*, EPA 540/R-01/008.

ORGANIC DATA

I. SUMMARY OF PROBLEMS/ COMMENTS

Overall, the data quality is good and the data are acceptable for use. A portion of the data has been qualified due to method blank contamination.

Completeness: The analytical results are within the QAQ-specified ranges for data useability.

II. DATA VERIFICATION REVIEW

SAMPLE COLLECTION AND CHAIN OF CUSTODY. REMARKS:
No exceptions noted.

SAMPLE RECEIPT, INCLUDING CONDITION AND PRESERVATION, REMARKS:
No exceptions noted.

SAMPLE PREPARATION, SAMPLE CLEANUP METHOD, REMARKS:
No exceptions noted.

SAMPLE ANALYSIS, INCLUDING ANALYTICAL METHOD AND PROJECT SPECIFIC REPORTING LIMITS:

		No. Samples	No. Exceptions	Note:
VOA8015	Water:	5	0	
(TPHg)	Soil:	NA	NA	
	Waste:	NA	NA	
VOA8260	Water:	5	0	
	Soil:	NA	NA	
	Waste:	NA	NA	
SEMIV 8015	Water:	4	0	
(TPHd,o)	Soil:	NA	NA	
	Waste:	NA	NA	
SEMIV 8270	Water:	4	0	
	Soil:	NA	NA	
	Waste:	NA	NA	
SEMIV 8310	Water:	4	0	
(PAHs)	Soil:	NA	NA	
	Waste:	NA	NA	
PCB 8082	Water:	4	0	
(PCBs)	Soil:	NA	NA	
	Waste:	NA	NA	

NA – Not analyzed.

REMARKS:
1. None.

III. SAMPLE HOLDING TIMES

VOA	Number Samples	Number Late
Water	5	0
Soil	NA	0
Waste	NA	0

SEMIVOLATILE	Number Samples	Number Late
Water	4	0
Soil	NA	0
Waste	NA	0

PESTICIDE/ PCB	Number Samples	Number Late
Water	4	0
Soil	NA	0
Waste	NA	0

REMARKS:
1. None.

IV. LABORATORY CONTROL SAMPLES

Water:	VOA8015: A	VOA8260: A
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

Water:	SEMI 8015: A	SEMI 8270: A	SEMI 8310: A
Soil:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Waste:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA

Water:	PEST8081: NA	PCB8082: A	SMWW 5550: NA
Soil:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA
Waste:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA

A - Acceptable – all criteria met.
P - Provisional – some criteria not met; data useable. See remarks.
U - Unacceptable - criteria not met; data unuseable. See remarks
NA – Not analyzed.

REMARKS:
None.

V. METHOD BLANK ANALYSIS

Water:	VOA8015: A	VOA8260: P
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

Water:	SEMI 8015: A	SEMI 8270: A	SEMI 8310: A
Soil:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Waste:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA

Water:	PEST8081: NA	PCB8082: A	SMWW 5550: NA
Soil:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA
Waste:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA

A - Acceptable - no contaminants above minimum detection limits; no interference with sample results.
P - Provisional - contaminants present but minimal interference with sample results.
U - Unacceptable - gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Method blanks were contaminated as shown below:

1. Chloroform, naphthalene, and 1,2,4-trichlorobenzene detected between the MDL and the RL in the method blank for batch 105118. The reported concentration of chloroform was qualified as non-detected, “u” in the associated trip blank sample MW-10.2-081805-TB4 (-001), which was between the MDL and the RL.

VI. SURROGATE SPIKE RESULTS

		No. Samples	No. Samples J	No. Samples R
VOA8015	Water:	5	0	0
(TPHg)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
VOA8260	Water:	5	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8015	Water:	4	0	0
(TPHd,o)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8270	Water:	4	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8310	Water:	4	0	0
(PAHs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
PCB 8082	Water:	4	0	0
(PCBs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA

NA – Not analyzed.

REMARKS:

1. Marginally low surrogate recoveries were reported for TCMX in 3 samples (33 to 36 percent versus a criterion of 37 percent); however, the recovery of the associated BZ# 205 surrogate was within the specified criteria. Also, all PCB congeners were below the MDL in these samples. No data were qualified.

VII. MATRIX SPIKE RESULTS

		No. Compounds	No. Out Criteria	No. <10% Recovery
VOA8015	Water:	1	0	0
(TPHg)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
VOA8260	Water:	5	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8015	Water:	1	0	0
(TPHd,o)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8270	Water:	11	0	0
	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
SEMIV 8310	Water:	8	0	0
(PAHs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA
PCB 8082	Water:	28	0	0
(PCBs)	Soil:	NA	NA	NA
	Waste:	NA	NA	NA

NA – Not analyzed.

REMARKS:
None.

VIII. MATRIX SPIKE DUPLICATE RESULTS

		No. Compounds	No. Outside Criteria
VOA8015	Water:	1	0
(TPHg)	Soil:	NA	NA
	Waste:	NA	NA
VOA8260	Water:	5	0
	Soil:	NA	NA
	Waste:	NA	NA
SEMIV 8015	Water:	1	0
(NWTPH)	Soil:	NA	NA
	Waste:	NA	NA
SEMIV 8270	Water:	11	0
	Soil:	NA	NA
	Waste:	NA	NA
SEMIV 8310	Water:	8	0
(PAHs)	Soil:	NA	NA
	Waste:	NA	NA
PCB 8082	Water:	28	0
(PCBs)	Soil:	NA	NA
	Waste:	NA	NA

NA – Not analyzed.

REMARKS:
None.

IX. FIELD DUPLICATE SAMPLE RESULTS

Water:	VOA8015: A	VOA8260: A	
Soil:	VOA8015: NA	VOA8260: NA	
Waste:	VOA8015: NA	VOA8260: NA	
Water:	SEMI 8015: A	SEMI 8270: A	SEMI 8310: A
Soil:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Waste:	SEMI 8015: NA	SEMI 8270: NA	SEMI 8310: NA
Water:	PEST8081: NA	PCB8082: A	SMWW 5550: NA
Soil:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA
Waste:	PEST8081: NA	PCB8082: NA	SMWW 5550: NA

A - Acceptable - the same compounds were identified in the primary and duplicate samples with minor differences in concentration
P - Provisional - the same compounds were identified in the primary and duplicate samples with major differences in concentration. These discrepancies could cause the data to be useful only for limited purposes.
U - Unacceptable - differences were found in compound identifications in the primary and duplicate samples. These discrepancies could cause the results for this fraction to be used for limited purposes or be considered unusable.
NA – Not analyzed.

REMARKS:
1. None.

X. TRIP BLANK SAMPLE RESULTS

Water:	VOA8015: A	VOA8260: P
Soil:	VOA8015: NA	VOA8260: NA
Waste:	VOA8015: NA	VOA8260: NA

A - Acceptable - No contaminants above minimum detection limits; no interference with sample results.
P - Provisional - Contaminants present but minimal interference with sample results.
U - Unacceptable - Gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Trip blanks were contaminated as shown below:

1. Acetone and isopropanol were reported above the QL in trip blank sample MW-10.2-081805-TB4(sample –001). Concentrations in corresponding samples were below the MDL, so no data were qualified.
2. 2-butanone (methyl ethyl ketone), chloroform, and 4-methyl-2-pentanone were reported between the MDL and the QL in trip blank sample MW-10.2-081805-TB4(sample –001). Concentrations in corresponding samples were below the MDL, so no data were qualified.

XI. EQUIPMENT BLANK SAMPLE RESULTS

Water:	NA
Soil:	NA
Waste:	NA

A - Acceptable - No contaminants above minimum detection limits; no interference with sample results.
P - Provisional - Contaminants present but minimal interference with sample results.
U - Unacceptable - Gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Equipment blanks were contaminated as shown below:

1. Equipment blanks were not collected. Sampling equipment consisted of dedicated tubing at each sampling point and a peristaltic pump.

XII. SUMMARY OF QUALIFIED DATA

Data that have been assigned qualifiers as part of this review are listed on the attached Table 2.

INORGANIC DATA

I. SUMMARY OF PROBLEMS/ COMMENTS

Overall, the data quality is good and the data are acceptable for use.

Completeness: The analytical results are with the QAQ-specified ranges for data useability.

II. DATA VERIFICATION REVIEW

SAMPLE COLLECTION AND CHAIN OF CUSTODY, REMARKS:
No exceptions noted.

SAMPLE RECEIPT, INCLUDING CONDITION AND PRESERVATION, FIELD FILTRATION, REMARKS:
No exceptions noted. Metal samples were field filtered.

SAMPLE PREPARATION, SAMPLE CLEANUP METHOD, REMARKS:
No exceptions noted.

SAMPLE ANALYSIS, INCLUDING ANALYTICAL METHOD AND PROJECT SPECIFIC REPORTING LIMITS:

		No. Samples	No. Exceptions	Note:
6000/7000	Water:	4	0	
Metals	Soil:	NA	NA	
	Waste:	NA	NA	

NA – Not analyzed.

REMARKS:
1. Metals data were reprocessed on 9/23/05 to provide lower reporting limits as originally requested.

III. SAMPLE HOLDING TIMES (WATER ONLY)

	Number Samples	Number Late
6000/7000 Metals	4	0

REMARKS:
None.

IV. LABORATORY CONTROL SAMPLES

Water: 6000/7000: A
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable – all criteria met.
P - Provisional – some criteria not met; data useable. See remarks.
U - Unacceptable - criteria not met; data unuseable. See remarks
NA – Not analyzed.

REMARKS:
None.

V. METHOD BLANK ANALYSIS

Water: 6000/7000: A
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable - no contaminants above minimum detection limits; no interference with sample results.
P - Provisional - contaminants present but minimal interference with sample results.
U - Unacceptable - gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Method blanks were contaminated as shown below:
None.

VI. MATRIX SPIKE RESULTS

		No. Compounds	No. Out Criteria	No. <10% Recovery
6000/7000	Water:	17	0	0
Metals	Soil:	NA	NA	NA
	Waste:	NA	NA	NA

NA – Not analyzed.

REMARKS:
None.

VII. MATRIX SPIKE DUPLICATE RESULTS

		No. Compounds	No. Outside Criteria
6000/7000	Water:	17	0
Metals	Soil:	NA	NA
	Waste:	NA	NA

NA – Not analyzed.

REMARKS:
None.

VIII. FIELD DUPLICATE SAMPLE RESULTS

Water: 6000/7000: A
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable - the same compounds were identified in the primary and duplicate samples with minor differences in concentration
P - Provisional - the same compounds were identified in the primary and duplicate samples with major differences in concentration. These discrepancies could cause the data to be useful only for limited purposes.
U - Unacceptable - differences were found in compound identifications in the primary and duplicate samples. These discrepancies could cause the results for this fraction to be used for limited purposes or be considered unusable.
NA – Not analyzed.

REMARKS:
1. None.

IX. EQUIPMENT BLANK SAMPLE RESULTS

Water: 6000/7000: NA
Soil: 6000/7000: NA
Waste: 6000/7000: NA

A - Acceptable - No contaminants above minimum detection limits; no interference with sample results.
P - Provisional - Contaminants present but minimal interference with sample results.
U - Unacceptable - Gross contamination, too much interference to use data for certain components or the entire fraction.
NA – Not analyzed.

REMARKS: Equipment blanks were contaminated as shown below:
None.

X. SUMMARY OF QUALIFIED DATA

Data that have been assigned qualifiers as part of this review are listed on the attached Table 2.

TABLE 1
SAMPLES INCLUDED IN THIS QUALITY ASSURANCE REVIEW

Location	Sample ID	Sample Date	Matrix	Type	Lab ID	Receipt Date	ID on COC
MW-10.2	MW-10.2-081805-TB4	8/18/2005	Water Quality Control Matrix	Trip Blank	181365-001	8/19/2005	MW10.2081805TB4
MW-10.1	MW-10.1-081805	8/18/2005	Ground Water	Normal Environmental Sample	181365-002	8/19/2005	MW10.1-081805
MW-10.2	MW-10.2-081805	8/18/2005	Ground Water	Normal Environmental Sample	181365-003	8/19/2005	MW10.2-081805
MW-10.1	MW-10.1-3081805-FD	8/18/2005	Ground Water	Field Duplicate	181365-004	8/19/2005	MWDUP3081805
SP-3.1	SP-3.1-081905	8/19/2005	Ground Water	Normal Environmental Sample	181365-005	8/19/2005	SP3.1081905

TABLE 2
SUMMARY OF QUALIFIED DATA

Sample ID	Lab ID	Method	Analysis Date	Analysis Time	Chemical	Result	Units	Detect Flag	Lab Qual	Review Qual	MDL	EQL
MW-10.2-081805-TB4	181365-001	EPA 8260B	8/24/2005	5:25:00 PM	Chloroform	0.3	ug/l	Y	J	u	0.04	0.5