ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

17-Feb-09

Eric Matzner
Pastor, Behling & Wheeler, LLC
2201 Double Creek Drive
Suite 4004
Round Rock, TX 78664

Tel: (512) 671-3434
Fax: (512) 671-3446

Re: Houston Wood Preserving Works

Work Order : **0902086**

Dear Eric,

ALS Laboratory Group received 11 samples on 2/4/2009 07:24 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 66.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Lora Terrill

Electronically approved by: Glenda H. Ramos

Lora Terrill
VP Lab Operations

ACCREDITED IN ACCORDANCE WITH nelac

Certificate No: T104704231-08-TX

ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Work Order: 0902086

TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation:

R2 Sample identification cross-reference

R3 Test reports (analytical data sheets) for each environmental sample that includes:
- a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
- b) dilution factors,
- c) preparation methods,
- d) cleanup methods, and
- e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:
- a) Calculated recovery (%R), and
- b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:
- a) LCS spiking amounts,
- b) Calculated %R for each analyte, and
- c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
- a) Samples associated with the MS/MSD clearly identified,
- b) MS/MSD spiking amounts,
- c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
- d) Calculated %Rs and relative percent differences (RPDs), and
- e) The laboratory's MS/MSD QC limits

R8 Laboratory analytical duplicate (if applicable) recovery and precision:
- a) the amount of analyte measured in the duplicate,
- b) the calculated RPD, and
- c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;?

R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the labor in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observec the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Re Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [NA] This laboratory is an in-house laboratory controlled by the person responding to rule. The official sign the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this c package and is by signature affirming the above release statement is true.

Lora Terrill

Lora Terrill
VP Lab Operations

Laboratory Review Checklist: Reportable Data

Laboratory Name: ALS Laboratory Group	LRC Date: 02/17/2009
Project Name: Houston Wood Preserving Works	Laboratory Job Number: 0902086
Reviewer Name: Lora Terrill	Prep Batch Number(s): 34297, 34300, 34312, 34346, 34398, 34401, R73031, R73040, R73141, R73179, RR7237, R73237, R73263, R73357

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**CHAIN-OF-CUSTODY (C-O-C)**					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		2) Were all departures from standard conditions described in an exception report?	X				
R2	OI	**SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**TEST REPORTS**					
		1) Were all samples prepared and analyzed within holding times?	X				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		3) Were calculations checked by a peer or supervisor?	X				
		4) Were all analyte identifications checked by a peer or supervisor?	X				
		5) Were sample quantitation limits reported for all analytes not detected?	X				
		6) Were all results for soil and sediment samples reported on a dry weight basis?	X				
		7) Was % moisture (or solids) reported for all soil and sediment samples?	X				
		8) If required for the project, TICs reported?			X		
R4	O	**SURROGATE RECOVERY DATA**					
		1) Were surrogates added prior to extraction?	X				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**TEST REPORTS/SUMMMARY FORMS FOR BLANK SAMPLES**					
		1) Were appropriate type(s) of blanks analyzed?	X				
		2) Were blanks analyzed at the appropriate frequency?	X				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		4) Were blank concentrations < MQL?	X				
R6	OI	**LABORATORY CONTROL SAMPLES (LCS):**					
		1) Were all COCs included in the LCS?	X				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		3) Were LCSs analyzed at the required frequency?	X				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		6) Was the LCSD RPD within QC limits?	X				
R7	OI	**MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA**					
		1) Were the project/method specified analytes included in the MS and MSD?	X				
		2) Were MS/MSD analyzed at the appropriate frequency?	X				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1
		4) Were MS/MSD RPDs within laboratory QC limits?		X			2
R8	OI	**ANALYTICAL DUPLICATE DATA**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	X				
		2) Were analytical duplicates analyzed at the appropriate frequency?	X				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**METHOD QUANTITATION LIMITS (MQLS):**					
		1) Are the MQLs for each method analyte listed and included in the laboratory data package?	X				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		3) Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	**OTHER PROBLEMS/ANOMALIES**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		2) Were all necessary corrective actions performed for the reported data?	X				
		3) If requested, is the justification for elevated SQLs documented?	X				3

2) Items identified by the letter "R" should be included in the laboratory data package submitted in o the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);

3 NA = Not applicable;

4 NR = Not Reviewed;

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data	
Laboratory Name: ALS Laboratory Group	LRC Date: 02/17/2009
Project Name: Houston Wood Preserving Works	Laboratory Job Number: 0902086
Reviewer Name: Lora Terrill	Prep Batch Number(s): 34297, 34300, 34312, 34346, 34398, 34401, R73031, R73040, R73141, R73179, RR7237, R73237, R73263, R73357

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**INITIAL CALIBRATION (ICAL)**					
		1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Was the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for all instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND**					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?	X				
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**MASS SPECTRAL TUNING:**					
		1) Was the appropriate compound for the method used for tuning?	X				
		2) Were ion abundance data within the method-required QC limits?	X				
S4	O	**INTERNAL STANDARDS (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, AND SECTION 5.12 OR**					
		1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**DUAL COLUMN CONFIRMATION**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**TENTATIVELY IDENTIFIED COMPOUNDS (TICS):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**INTERFERENCE CHECK SAMPLE (ICS) RESULTS:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X			4
S10	OI	**PROFICIENCY TEST REPORTS:**					
		Are proficiency testing or inter-laboratory comparison results on file?	X				
S11	OI	**METHOD DETECTION LIMIT (MDL) STUDIES**					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S12	OI	**STANDARDS DOCUMENTATION**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**COMPOUND/ANALYTE IDENTIFICATION PROCEDURES**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**DEMONSTRATION OF ANALYST COMPETENCY (DOC)**					
		1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)?	X				
S16	OI	**LABORATORY STANDARD OPERATING PROCEDURES (SOPS):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Report	
Laboratory Name: ALS Laboratory Group	LRC Date: 02/17/2009
Project Name: Houston Wood Preserving Works	Laboratory Job Number: 0902086
Reviewer Name: Lora Terrill	Prep Batch Number(s): 34297, 34300, 34312, 34346, 34398, 34401, R73031, R73040, R73141, R73179, RR7237, R73237, R73263, R73357

ER #[1]	DESCRIPTION
1	Batch 34312 Semivolatiles (sample SO-1620-SB113 (0.5-2.0) 20090203) MS/MSD recoveries below control limits for a few compounds.
	Batch R73179 Volatiles MS/MSD is an unrelated sample.
2	Batch 34312 Semivolatiles (sample SO-1620-SB113 (0.5-2.0) 20090203) MS/MSD RPD above control limits for 4,6-Dinitro-2-methylphenol.
3	Volatiles sample IDWW-1620-V238-20090203 could not be analyzed at a lower dilution due to the nature of the sample.
4	Batch 34342 Metals SD is an unrelated sample.

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

ALS Laboratory Group

Date: 17-Feb-09

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Work Order: **0902086**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
0902086-01	SO-1620-SB112 (0-0.5) 20090203	Soil		2/3/2009 11:20	2/4/2009 07:24	☐
0902086-02	SO-1620-SB112 (0.5-2.0) 20090203	Soil		2/3/2009 11:30	2/4/2009 07:24	☐
0902086-03	SO-1620-SB113 (0-0.5) 20090203	Soil		2/3/2009 10:50	2/4/2009 07:24	☐
0902086-04	SO-1620-SB113 (0.5-2.0) 20090203	Soil		2/3/2009 11:00	2/4/2009 07:24	☐
0902086-05	SO-1620-SB114 (0-0.5) 20090203	Soil		2/3/2009 10:25	2/4/2009 07:24	☐
0902086-06	SO-1620-SB114 (0.5-2.0) 20090203	Soil		2/3/2009 10:35	2/4/2009 07:24	☐
0902086-07	IDWW-1620-V267-20090203	Water		2/3/2009 16:45	2/4/2009 07:24	☐
0902086-08	IDWW-1620-V238-20090203	Water		2/3/2009 17:00	2/4/2009 07:24	☐
0902086-09	IDWS-1620-RT581-20090203	Soil		2/3/2009 16:00	2/4/2009 07:24	☐
0902086-10	IDWS-1620-RT655-20090203	Soil		2/3/2009 16:15	2/4/2009 07:24	☐
0902086-11	Trip Blank	Trip Blank		2/3/2009 17:00	2/4/2009 07:24	☐

ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: SO-1620-SB112 (0-0.5) 20090203
Collection Date: 2/3/2009 11:20 AM

Work Order: 0902086
Lab ID: 0902086-01
Matrix: SOIL

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3541 / 2/5/09		Analyst: **LG**
1,2-Diphenylhydrazine	U		2.3	8.1	µg/Kg-dry	1	2/13/2009
2-Methylnaphthalene	**5.0**	J	**1.6**	**8.1**	**µg/Kg-dry**	1	2/13/2009
Acenaphthene	**6.1**	J	**2.6**	**8.1**	**µg/Kg-dry**	1	2/13/2009
Benz(a)anthracene	**60**		**3.4**	**8.1**	**µg/Kg-dry**	1	2/13/2009
Benzo(a)pyrene	**69**		**2.6**	**8.1**	**µg/Kg-dry**	1	2/13/2009
Dibenzofuran	**4.9**	J	**2.0**	**8.1**	**µg/Kg-dry**	1	2/13/2009
Fluoranthene	**130**		**2.5**	**8.1**	**µg/Kg-dry**	1	2/13/2009
Naphthalene	**5.1**	J	**1.7**	**8.1**	**µg/Kg-dry**	1	2/13/2009
Pentachlorophenol	**22**		**2.8**	**8.1**	**µg/Kg-dry**	1	2/13/2009
Phenanthrene	**42**		**3.7**	**8.1**	**µg/Kg-dry**	1	2/13/2009
Pyrene	**120**		**1.6**	**8.1**	**µg/Kg-dry**	1	2/13/2009
Surr: 2,4,6-Tribromophenol	*90.2*			*36-126*	*%REC*	1	2/13/2009
Surr: 2-Fluorobiphenyl	*73.1*			*43-125*	*%REC*	1	2/13/2009
Surr: 2-Fluorophenol	*66.5*			*37-125*	*%REC*	1	2/13/2009
Surr: 4-Terphenyl-d14	*88.7*			*32-125*	*%REC*	1	2/13/2009
Surr: Nitrobenzene-d5	*75.1*			*37-125*	*%REC*	1	2/13/2009
Surr: Phenol-d6	*88.8*			*40-125*	*%REC*	1	2/13/2009
MOISTURE		Method: **E160.3**					Analyst: **TDW**
Percent Moisture	**18.9**	n	**0.010**	**0.0100**	**wt%**	1	2/10/2009

Qualifiers:

U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
a - Not accredited
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time
n - Not offered for accreditation

ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: SO-1620-SB112 (0.5-2.0) 20090203
Collection Date: 2/3/2009 11:30 AM

Work Order: 0902086
Lab ID: 0902086-02
Matrix: SOIL

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3541 / 2/5/09		Analyst: **LG**
1,2-Diphenylhydrazine	U		2.5	8.7	µg/Kg-dry	1	2/13/2009
2-Methylnaphthalene	**7.5**	J	**1.7**	**8.7**	**µg/Kg-dry**	1	2/13/2009
Acenaphthene	**8.6**	J	**2.8**	**8.7**	**µg/Kg-dry**	1	2/13/2009
Benz(a)anthracene	**120**		**3.7**	**8.7**	**µg/Kg-dry**	1	2/13/2009
Benzo(a)pyrene	**100**		**2.8**	**8.7**	**µg/Kg-dry**	1	2/13/2009
Dibenzofuran	**9.2**		**2.1**	**8.7**	**µg/Kg-dry**	1	2/13/2009
Fluoranthene	**220**		**2.6**	**8.7**	**µg/Kg-dry**	1	2/13/2009
Naphthalene	**7.5**	J	**1.8**	**8.7**	**µg/Kg-dry**	1	2/13/2009
Pentachlorophenol	**23**		**3.0**	**8.7**	**µg/Kg-dry**	1	2/13/2009
Phenanthrene	**68**		**4.0**	**8.7**	**µg/Kg-dry**	1	2/13/2009
Pyrene	**210**		**1.7**	**8.7**	**µg/Kg-dry**	1	2/13/2009
Surr: 2,4,6-Tribromophenol	*88.4*			*36-126*	*%REC*	1	2/13/2009
Surr: 2-Fluorobiphenyl	*72.8*			*43-125*	*%REC*	1	2/13/2009
Surr: 2-Fluorophenol	*80.9*			*37-125*	*%REC*	1	2/13/2009
Surr: 4-Terphenyl-d14	*89.9*			*32-125*	*%REC*	1	2/13/2009
Surr: Nitrobenzene-d5	*73.3*			*37-125*	*%REC*	1	2/13/2009
Surr: Phenol-d6	*76.5*			*40-125*	*%REC*	1	2/13/2009
MOISTURE		Method: **E160.3**					Analyst: **TDW**
Percent Moisture	**24.4**	n	**0.010**	**0.0100**	**wt%**	1	2/10/2009

Qualifiers:

U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
a - Not accredited
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time
n - Not offered for accreditation

ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: SO-1620-SB113 (0-0.5) 20090203
Collection Date: 2/3/2009 10:50 AM

Work Order: 0902086
Lab ID: 0902086-03
Matrix: SOIL

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3541 / 2/5/09		Analyst: **LG**
1,2-Diphenylhydrazine	U		2.3	7.9	µg/Kg-dry	1	2/13/2009
2-Methylnaphthalene	U		1.6	7.9	µg/Kg-dry	1	2/13/2009
Acenaphthene	U		2.5	7.9	µg/Kg-dry	1	2/13/2009
Benz(a)anthracene	**70**		**3.3**	**7.9**	**µg/Kg-dry**	1	2/13/2009
Benzo(a)pyrene	**83**		**2.5**	**7.9**	**µg/Kg-dry**	1	2/13/2009
Dibenzofuran	**5.8**	J	**1.9**	**7.9**	**µg/Kg-dry**	1	2/13/2009
Fluoranthene	**130**		**2.4**	**7.9**	**µg/Kg-dry**	1	2/13/2009
Naphthalene	**6.3**	J	**1.7**	**7.9**	**µg/Kg-dry**	1	2/13/2009
Pentachlorophenol	**4.6**	J	**2.7**	**7.9**	**µg/Kg-dry**	1	2/13/2009
Phenanthrene	**37**		**3.6**	**7.9**	**µg/Kg-dry**	1	2/13/2009
Pyrene	**150**		**1.6**	**7.9**	**µg/Kg-dry**	1	2/13/2009
Surr: 2,4,6-Tribromophenol	*95.2*			*36-126*	*%REC*	1	2/13/2009
Surr: 2-Fluorobiphenyl	*78.2*			*43-125*	*%REC*	1	2/13/2009
Surr: 2-Fluorophenol	*86.6*			*37-125*	*%REC*	1	2/13/2009
Surr: 4-Terphenyl-d14	*104*			*32-125*	*%REC*	1	2/13/2009
Surr: Nitrobenzene-d5	*72.4*			*37-125*	*%REC*	1	2/13/2009
Surr: Phenol-d6	*89.8*			*40-125*	*%REC*	1	2/13/2009
MOISTURE		Method: **E160.3**					Analyst: **TDW**
Percent Moisture	**16.4**	n	**0.010**	**0.0100**	**wt%**	1	2/10/2009

Qualifiers:

U - Analyzed for but Not Detected
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
a - Not accredited
S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time
n - Not offered for accreditation

ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: SO-1620-SB113 (0.5-2.0) 20090203
Collection Date: 2/3/2009 11:00 AM

Work Order: 0902086
Lab ID: 0902086-04
Matrix: SOIL

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3541 / 2/5/09		Analyst: **LG**
1,2-Diphenylhydrazine	U		2.3	7.8	µg/Kg-dry	1	2/10/2009
2-Methylnaphthalene	**30**		**1.5**	**7.8**	**µg/Kg-dry**	1	2/10/2009
Acenaphthene	**25**		**2.5**	**7.8**	**µg/Kg-dry**	1	2/10/2009
Benz(a)anthracene	**260**		**3.3**	**7.8**	**µg/Kg-dry**	1	2/10/2009
Benzo(a)pyrene	**270**		**2.5**	**7.8**	**µg/Kg-dry**	1	2/10/2009
Dibenzofuran	**29**		**1.9**	**7.8**	**µg/Kg-dry**	1	2/10/2009
Fluoranthene	**690**		**9.5**	**31**	**µg/Kg-dry**	4	2/10/2009
Naphthalene	**24**		**1.7**	**7.8**	**µg/Kg-dry**	1	2/10/2009
Pentachlorophenol	**9.1**		**2.7**	**7.8**	**µg/Kg-dry**	1	2/10/2009
Phenanthrene	**480**		**14**	**31**	**µg/Kg-dry**	4	2/10/2009
Pyrene	**610**		**6.2**	**31**	**µg/Kg-dry**	4	2/10/2009
Surr: 2,4,6-Tribromophenol	*87.7*			*36-126*	*%REC*	1	2/10/2009
Surr: 2,4,6-Tribromophenol	*95.4*			*36-126*	*%REC*	4	2/10/2009
Surr: 2-Fluorobiphenyl	*67.2*			*43-125*	*%REC*	1	2/10/2009
Surr: 2-Fluorobiphenyl	*76.4*			*43-125*	*%REC*	4	2/10/2009
Surr: 2-Fluorophenol	*49.6*			*37-125*	*%REC*	1	2/10/2009
Surr: 2-Fluorophenol	*80.1*			*37-125*	*%REC*	4	2/10/2009
Surr: 4-Terphenyl-d14	*95.6*			*32-125*	*%REC*	1	2/10/2009
Surr: 4-Terphenyl-d14	*92.1*			*32-125*	*%REC*	4	2/10/2009
Surr: Nitrobenzene-d5	*62.3*			*37-125*	*%REC*	1	2/10/2009
Surr: Nitrobenzene-d5	*64.6*			*37-125*	*%REC*	4	2/10/2009
Surr: Phenol-d6	*70.7*			*40-125*	*%REC*	1	2/10/2009
Surr: Phenol-d6	*76.7*			*40-125*	*%REC*	4	2/10/2009
MOISTURE		Method: **E160.3**					Analyst: **TDW**
Percent Moisture	**15.9**	n	**0.010**	**0.0100**	**wt%**	1	2/10/2009

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P - Dual Column results RPD > 40%
E - Value above quantitation range
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ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: SO-1620-SB114 (0-0.5) 20090203
Collection Date: 2/3/2009 10:25 AM

Work Order: 0902086
Lab ID: 0902086-05
Matrix: SOIL

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3541 / 2/5/09		Analyst: **LG**
1,2-Diphenylhydrazine	U		2.2	7.5	µg/Kg-dry	1	2/13/2009
2-Methylnaphthalene	U		1.5	7.5	µg/Kg-dry	1	2/13/2009
Acenaphthene	U		2.4	7.5	µg/Kg-dry	1	2/13/2009
Benz(a)anthracene	**15**		**3.2**	**7.5**	**µg/Kg-dry**	1	2/13/2009
Benzo(a)pyrene	**19**		**2.4**	**7.5**	**µg/Kg-dry**	1	2/13/2009
Dibenzofuran	U		1.8	7.5	µg/Kg-dry	1	2/13/2009
Fluoranthene	**25**		**2.3**	**7.5**	**µg/Kg-dry**	1	2/13/2009
Naphthalene	U		1.6	7.5	µg/Kg-dry	1	2/13/2009
Pentachlorophenol	U		2.6	7.5	µg/Kg-dry	1	2/13/2009
Phenanthrene	**10**		**3.4**	**7.5**	**µg/Kg-dry**	1	2/13/2009
Pyrene	**28**		**1.5**	**7.5**	**µg/Kg-dry**	1	2/13/2009
Surr: 2,4,6-Tribromophenol	*89.2*			*36-126*	*%REC*	1	2/13/2009
Surr: 2-Fluorobiphenyl	*77.4*			*43-125*	*%REC*	1	2/13/2009
Surr: 2-Fluorophenol	*76.3*			*37-125*	*%REC*	1	2/13/2009
Surr: 4-Terphenyl-d14	*102*			*32-125*	*%REC*	1	2/13/2009
Surr: Nitrobenzene-d5	*71.8*			*37-125*	*%REC*	1	2/13/2009
Surr: Phenol-d6	*81.7*			*40-125*	*%REC*	1	2/13/2009
MOISTURE		Method: **E160.3**					Analyst: **TDW**
Percent Moisture	**12.2**	n	**0.010**	**0.0100**	**wt%**	1	2/10/2009

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P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time
n - Not offered for accreditation

ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: SO-1620-SB114 (0.5-2.0) 20090203
Collection Date: 2/3/2009 10:35 AM

Work Order: 0902086
Lab ID: 0902086-06
Matrix: SOIL

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3541 / 2/5/09		Analyst: **LG**
1,2-Diphenylhydrazine	U		2.7	9.5	µg/Kg-dry	1	2/13/2009
2-Methylnaphthalene	U		1.9	9.5	µg/Kg-dry	1	2/13/2009
Acenaphthene	U		3.0	9.5	µg/Kg-dry	1	2/13/2009
Benz(a)anthracene	**36**		**4.0**	**9.5**	**µg/Kg-dry**	1	2/13/2009
Benzo(a)pyrene	**35**		**3.0**	**9.5**	**µg/Kg-dry**	1	2/13/2009
Dibenzofuran	U		2.3	9.5	µg/Kg-dry	1	2/13/2009
Fluoranthene	**80**		**2.9**	**9.5**	**µg/Kg-dry**	1	2/13/2009
Naphthalene	U		2.0	9.5	µg/Kg-dry	1	2/13/2009
Pentachlorophenol	U		3.3	9.5	µg/Kg-dry	1	2/13/2009
Phenanthrene	**15**		**4.3**	**9.5**	**µg/Kg-dry**	1	2/13/2009
Pyrene	**66**		**1.9**	**9.5**	**µg/Kg-dry**	1	2/13/2009
Surr: 2,4,6-Tribromophenol	*85.0*			*36-126*	*%REC*	1	2/13/2009
Surr: 2-Fluorobiphenyl	*72.8*			*43-125*	*%REC*	1	2/13/2009
Surr: 2-Fluorophenol	*65.0*			*37-125*	*%REC*	1	2/13/2009
Surr: 4-Terphenyl-d14	*82.6*			*32-125*	*%REC*	1	2/13/2009
Surr: Nitrobenzene-d5	*75.2*			*37-125*	*%REC*	1	2/13/2009
Surr: Phenol-d6	*86.3*			*40-125*	*%REC*	1	2/13/2009
MOISTURE		Method: **E160.3**					Analyst: **TDW**
Percent Moisture	**30.5**	n	**0.010**	**0.0100**	**wt%**	1	2/10/2009

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P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time
n - Not offered for accreditation

ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: IDWW-1620-V267-20090203
Collection Date: 2/3/2009 04:45 PM

Work Order: 0902086
Lab ID: 0902086-07
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL TEXAS TPH		Method: **TX1005**			Prep: TX1005PR / 2/4/09		Analyst: **KMB**
nC6 to nC12	U		0.19	0.47	mg/L	1	2/6/2009
>nC12 to nC28	U		0.19	0.47	mg/L	1	2/6/2009
>nC28 to nC35	U		0.19	0.47	mg/L	1	2/6/2009
Total Petroleum Hydrocarbon	U		0.19	0.47	mg/L	1	2/6/2009
Surr: 2-Fluorobiphenyl	*114*			*70-130*	*%REC*	1	2/6/2009
Surr: Trifluoromethyl benzene	*119*			*70-130*	*%REC*	1	2/6/2009
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3510 / 2/10/09		Analyst: **LG**
1,2-Diphenylhydrazine	U		0.10	0.20	µg/L	1	2/11/2009
2,4-Dimethylphenol	U		0.080	0.20	µg/L	1	2/11/2009
2,4-Dinitrotoluene	U		0.090	0.20	µg/L	1	2/11/2009
2,6-Dinitrotoluene	U		0.070	0.20	µg/L	1	2/11/2009
2-Chloronaphthalene	U		0.12	0.20	µg/L	1	2/11/2009
2-Methylnaphthalene	U		0.070	0.20	µg/L	1	2/11/2009
4,6-Dinitro-2-methylphenol	U		0.080	0.20	µg/L	1	2/11/2009
4-Nitrophenol	U		0.070	1.0	µg/L	1	2/11/2009
Acenaphthene	U		0.090	0.20	µg/L	1	2/11/2009
Acenaphthylene	U		0.060	0.20	µg/L	1	2/11/2009
Anthracene	U		0.070	0.20	µg/L	1	2/11/2009
Benz(a)anthracene	U		0.070	0.20	µg/L	1	2/11/2009
Benzo(a)pyrene	U		0.080	0.20	µg/L	1	2/11/2009
Bis(2-ethylhexyl)phthalate	**1.1**		**0.20**	**0.20**	**µg/L**	1	2/11/2009
Chrysene	**0.29**		**0.070**	**0.20**	**µg/L**	1	2/11/2009
Di-n-butyl phthalate	U		0.070	0.20	µg/L	1	2/11/2009
Dibenzofuran	U		0.080	0.20	µg/L	1	2/11/2009
Fluoranthene	**0.27**		**0.070**	**0.20**	**µg/L**	1	2/11/2009
Fluorene	U		0.070	0.20	µg/L	1	2/11/2009
N-Nitrosodiphenylamine	U		0.090	0.20	µg/L	1	2/11/2009
Naphthalene	U		0.10	0.20	µg/L	1	2/11/2009
Nitrobenzene	U		0.090	0.20	µg/L	1	2/11/2009
Pentachlorophenol	**0.17**	J	**0.080**	**0.20**	**µg/L**	1	2/11/2009
Phenanthrene	U		0.070	0.20	µg/L	1	2/11/2009
Phenol	U		0.070	0.20	µg/L	1	2/11/2009
Pyrene	**0.31**		**0.070**	**0.20**	**µg/L**	1	2/11/2009
Surr: 2,4,6-Tribromophenol	*60.0*			*34-129*	*%REC*	1	2/11/2009
Surr: 2-Fluorobiphenyl	*58.0*			*40-125*	*%REC*	1	2/11/2009
Surr: 2-Fluorophenol	*58.5*			*20-120*	*%REC*	1	2/11/2009
Surr: 4-Terphenyl-d14	*55.6*			*40-135*	*%REC*	1	2/11/2009
Surr: Nitrobenzene-d5	*58.8*			*41-120*	*%REC*	1	2/11/2009

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E - Value above quantitation range
H - Analyzed outside of Hold Time
n - Not offered for accreditation

ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: IDWW-1620-V267-20090203
Collection Date: 2/3/2009 04:45 PM

Work Order: 0902086
Lab ID: 0902086-07
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
Surr: Phenol-d6	*61.6*			*20-120*	*%REC*	1	2/11/2009
TCL VOLATILES		Method: **SW8260**					Analyst: **PC**
Benzene	U		0.50	5.0	µg/L	1	2/4/2009
Ethylbenzene	U		0.50	5.0	µg/L	1	2/4/2009
Toluene	U		0.50	5.0	µg/L	1	2/4/2009
Xylenes, Total	U		1.0	15	µg/L	1	2/4/2009
Surr: 1,2-Dichloroethane-d4	*98.3*			*70-125*	*%REC*	1	2/4/2009
Surr: 4-Bromofluorobenzene	*104*			*72-125*	*%REC*	1	2/4/2009
Surr: Dibromofluoromethane	*99.2*			*71-125*	*%REC*	1	2/4/2009
Surr: Toluene-d8	*106*			*75-125*	*%REC*	1	2/4/2009
PH		Method: **SM4500H+ B**					Analyst: **TDW**
pH	**7.27**	H	**0.10**	**0.100**	**pH units**	1	2/4/2009

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P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time
n - Not offered for accreditation

ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: IDWW-1620-V238-20090203
Collection Date: 2/3/2009 05:00 PM

Work Order: 0902086
Lab ID: 0902086-08
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL TEXAS TPH		Method: **TX1005**			Prep: TX1005PR / 2/4/09		Analyst: **KMB**
nC6 to nC12	**7.5**		**0.19**	**0.49**	**mg/L**	1	2/6/2009
>nC12 to nC28	**26**		**0.19**	**0.49**	**mg/L**	1	2/6/2009
>nC28 to nC35	**1.1**		**0.19**	**0.49**	**mg/L**	1	2/6/2009
Total Petroleum Hydrocarbon	**34.6**		**0.19**	**0.49**	**mg/L**	1	2/6/2009
Surr: 2-Fluorobiphenyl	*129*			*70-130*	*%REC*	1	2/6/2009
Surr: Trifluoromethyl benzene	*124*			*70-130*	*%REC*	1	2/6/2009
TCL VOLATILES		Method: **SW8260**					Analyst: **PC**
Benzene	U		5.0	50	µg/L	10	2/6/2009
Ethylbenzene	**28**	J	**5.0**	**50**	**µg/L**	10	2/6/2009
Toluene	U		5.0	50	µg/L	10	2/6/2009
Xylenes, Total	**37**	J	**10**	**150**	**µg/L**	10	2/6/2009
Surr: 1,2-Dichloroethane-d4	*101*			*70-125*	*%REC*	10	2/6/2009
Surr: 4-Bromofluorobenzene	*102*			*72-125*	*%REC*	10	2/6/2009
Surr: Dibromofluoromethane	*103*			*71-125*	*%REC*	10	2/6/2009
Surr: Toluene-d8	*106*			*75-125*	*%REC*	10	2/6/2009
PH		Method: **SM4500H+ B**					Analyst: **TDW**
pH	**11.2**	H	**0.10**	**0.100**	**pH units**	1	2/4/2009

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ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: IDWS-1620-RT581-20090203
Collection Date: 2/3/2009 04:00 PM

Work Order: 0902086
Lab ID: 0902086-09
Matrix: SOIL

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TEXAS TPH		Method: **TX1005**			Prep: TX1005PR / 2/4/09		Analyst: **KMB**
nC6 to nC12	U		20	64	mg/Kg-dry	1	2/7/2009
>nC12 to nC28	U		20	64	mg/Kg-dry	1	2/7/2009
>nC28 to nC35	U		20	64	mg/Kg-dry	1	2/7/2009
Total Petroleum Hydrocarbon	U		20	64	mg/Kg-dry	1	2/7/2009
Surr: 2-Fluorobiphenyl	*104*			*70-130*	*%REC*	1	2/7/2009
Surr: Trifluoromethyl benzene	*110*			*70-130*	*%REC*	1	2/7/2009
TCLP MERCURY		Method: **SW7470**			Leachate: SW1311 / 2/6/09 Prep: SW7470 / 2/10/09		Analyst: **JCJ**
Mercury	U		0.0000420	0.000200	mg/L	1	2/10/2009
TCLP METALS		Method: **SW1311/6020**			Leachate: SW1311 / 2/6/09 Prep: SW3010A / 2/6/09		Analyst: **SKS**
Arsenic	U		0.0190	0.0500	mg/L	10	2/6/2009
Barium	**1.52**		**0.0130**	**0.0500**	**mg/L**	10	2/6/2009
Cadmium	**0.0114**	J	**0.0100**	**0.0500**	**mg/L**	10	2/6/2009
Chromium	U		0.00700	0.0500	mg/L	10	2/6/2009
Lead	**0.0159**	J	**0.0120**	**0.0500**	**mg/L**	10	2/6/2009
Selenium	U		0.0220	0.0500	mg/L	10	2/6/2009
Silver	U		0.00700	0.0500	mg/L	10	2/6/2009
TCLP SEMIVOLATILES		Method: **SW1311/8270**			Leachate: SW1311 / 2/6/09 Prep: SW3510 / 2/6/09		Analyst: **ACN**
2,4,5-Trichlorophenol	U		1.3	5.0	µg/L	1	2/6/2009
2,4,6-Trichlorophenol	U		1.6	5.0	µg/L	1	2/6/2009
2,4-Dinitrotoluene	U		0.90	5.0	µg/L	1	2/6/2009
Cresols, Total	U		4.1	15	µg/L	1	2/6/2009
Hexachlorobenzene	U		0.60	5.0	µg/L	1	2/6/2009
Hexachlorobutadiene	U		0.90	5.0	µg/L	1	2/6/2009
Hexachloroethane	U		1.4	5.0	µg/L	1	2/6/2009
Nitrobenzene	U		0.80	5.0	µg/L	1	2/6/2009
Pentachlorophenol	U		1.5	5.0	µg/L	1	2/6/2009
Pyridine	U		0.90	5.0	µg/L	1	2/6/2009
Surr: 2,4,6-Tribromophenol	*49.4*			*42-124*	*%REC*	1	2/6/2009
Surr: 2-Fluorobiphenyl	*52.6*			*48-120*	*%REC*	1	2/6/2009
Surr: 2-Fluorophenol	*47.8*			*20-120*	*%REC*	1	2/6/2009
Surr: 4-Terphenyl-d14	*53.9*			*51-135*	*%REC*	1	2/6/2009
Surr: Nitrobenzene-d5	*50.9*			*41-120*	*%REC*	1	2/6/2009
Surr: Phenol-d6	*55.2*			*20-120*	*%REC*	1	2/6/2009
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3541 / 2/5/09		Analyst: **LG**

Qualifiers:

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ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: IDWS-1620-RT581-20090203
Collection Date: 2/3/2009 04:00 PM

Work Order: 0902086
Lab ID: 0902086-09
Matrix: SOIL

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
1,2-Diphenylhydrazine	U		2.5	8.6	µg/Kg-dry	1	2/10/2009
2,4-Dimethylphenol	U		4.9	8.6	µg/Kg-dry	1	2/10/2009
2,4-Dinitrotoluene	U		8.6	8.6	µg/Kg-dry	1	2/10/2009
2,6-Dinitrotoluene	U		4.2	8.6	µg/Kg-dry	1	2/10/2009
2-Chloronaphthalene	U		4.8	8.6	µg/Kg-dry	1	2/10/2009
2-Methylnaphthalene	**12**		**1.7**	**8.6**	**µg/Kg-dry**	1	2/10/2009
4,6-Dinitro-2-methylphenol	U		4.8	8.6	µg/Kg-dry	1	2/10/2009
4-Nitrophenol	U		3.0	43	µg/Kg-dry	1	2/10/2009
Acenaphthene	**20**		**2.7**	**8.6**	**µg/Kg-dry**	1	2/10/2009
Acenaphthylene	**8.4**	J	**1.8**	**8.6**	**µg/Kg-dry**	1	2/10/2009
Anthracene	**62**		**2.9**	**8.6**	**µg/Kg-dry**	1	2/10/2009
Benz(a)anthracene	**73**		**3.6**	**8.6**	**µg/Kg-dry**	1	2/10/2009
Benzo(a)pyrene	**63**		**2.7**	**8.6**	**µg/Kg-dry**	1	2/10/2009
Bis(2-ethylhexyl)phthalate	**9.6**		**3.9**	**8.6**	**µg/Kg-dry**	1	2/10/2009
Chrysene	**71**		**3.6**	**8.6**	**µg/Kg-dry**	1	2/10/2009
Di-n-butyl phthalate	U		3.3	8.6	µg/Kg-dry	1	2/10/2009
Dibenzofuran	**15**		**2.1**	**8.6**	**µg/Kg-dry**	1	2/10/2009
Fluoranthene	**180**		**2.6**	**8.6**	**µg/Kg-dry**	1	2/10/2009
Fluorene	**26**		**1.6**	**8.6**	**µg/Kg-dry**	1	2/10/2009
N-Nitrosodiphenylamine	U		2.6	8.6	µg/Kg-dry	1	2/10/2009
Naphthalene	**17**		**1.8**	**8.6**	**µg/Kg-dry**	1	2/10/2009
Nitrobenzene	U		8.6	8.6	µg/Kg-dry	1	2/10/2009
Pentachlorophenol	U		3.0	8.6	µg/Kg-dry	1	2/10/2009
Phenanthrene	**180**		**3.9**	**8.6**	**µg/Kg-dry**	1	2/10/2009
Phenol	**5.6**	J	**4.6**	**8.6**	**µg/Kg-dry**	1	2/10/2009
Pyrene	**140**		**1.7**	**8.6**	**µg/Kg-dry**	1	2/10/2009
Surr: 2,4,6-Tribromophenol	*93.5*			*36-126*	*%REC*	1	2/10/2009
Surr: 2-Fluorobiphenyl	*81.1*			*43-125*	*%REC*	1	2/10/2009
Surr: 2-Fluorophenol	*78.1*			*37-125*	*%REC*	1	2/10/2009
Surr: 4-Terphenyl-d14	*92.6*			*32-125*	*%REC*	1	2/10/2009
Surr: Nitrobenzene-d5	*78.1*			*37-125*	*%REC*	1	2/10/2009
Surr: Phenol-d6	*87.0*			*40-125*	*%REC*	1	2/10/2009
TCLP VOLATILES		Method: **SW1311/8260B**			Leachate: SW1311 / 2/6/09		Analyst: **PC**
1,1-Dichloroethene	U		12	100	µg/L	20	2/11/2009
1,2-Dichloroethane	U		10	100	µg/L	20	2/11/2009
1,4-Dichlorobenzene	U		14	100	µg/L	20	2/11/2009
2-Butanone	U		16	200	µg/L	20	2/11/2009
Benzene	U		12	100	µg/L	20	2/11/2009
Carbon tetrachloride	U		12	100	µg/L	20	2/11/2009

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time
n - Not offered for accreditation

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: IDWS-1620-RT581-20090203
Collection Date: 2/3/2009 04:00 PM

Work Order: 0902086
Lab ID: 0902086-09
Matrix: SOIL

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
Chlorobenzene	U		10	100	µg/L	20	2/11/2009
Chloroform	U		10	100	µg/L	20	2/11/2009
Tetrachloroethene	U		10	100	µg/L	20	2/11/2009
Trichloroethene	U		14	100	µg/L	20	2/11/2009
Vinyl chloride	U		12	100	µg/L	20	2/11/2009
Surr: 1,2-Dichloroethane-d4	*98.3*			*70-125*	*%REC*	20	2/11/2009
Surr: 4-Bromofluorobenzene	*106*			*72-125*	*%REC*	20	2/11/2009
Surr: Dibromofluoromethane	*104*			*71-125*	*%REC*	20	2/11/2009
Surr: Toluene-d8	*108*			*75-125*	*%REC*	20	2/11/2009
TCL VOLATILES		Method: **SW8260**					Analyst: **DKG**
Benzene	U		0.65	6.5	µg/Kg-dry	1	2/9/2009
Ethylbenzene	U		0.65	6.5	µg/Kg-dry	1	2/9/2009
Toluene	U		0.65	6.5	µg/Kg-dry	1	2/9/2009
Xylenes, Total	U		1.3	20	µg/Kg-dry	1	2/9/2009
Surr: 1,2-Dichloroethane-d4	*96.5*			*70-128*	*%REC*	1	2/9/2009
Surr: 4-Bromofluorobenzene	*90.9*			*73-126*	*%REC*	1	2/9/2009
Surr: Dibromofluoromethane	*101*			*71-128*	*%REC*	1	2/9/2009
Surr: Toluene-d8	*96.4*			*73-127*	*%REC*	1	2/9/2009
MOISTURE		Method: **E160.3**					Analyst: **TDW**
Percent Moisture	**23.1**	n	**0.010**	**0.0100**	**wt%**	1	2/10/2009

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P - Dual Column results RPD > 40%
E - Value above quantitation range
H - Analyzed outside of Hold Time
n - Not offered for accreditation

ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: IDWS-1620-RT655-20090203
Collection Date: 2/3/2009 04:15 PM

Work Order: 0902086
Lab ID: 0902086-10
Matrix: SOIL

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TEXAS TPH		Method: **TX1005**			Prep: TX1005PR / 2/4/09		Analyst: **KMB**
nC6 to nC12	U		35	110	mg/Kg-dry	1	2/7/2009
>nC12 to nC28	**42**	J	**35**	**110**	**mg/Kg-dry**	1	2/7/2009
>nC28 to nC35	U		35	110	mg/Kg-dry	1	2/7/2009
Total Petroleum Hydrocarbon	**42.0**	J	**35**	**110**	**mg/Kg-dry**	1	2/7/2009
Surr: 2-Fluorobiphenyl	*109*			*70-130*	*%REC*	1	2/7/2009
Surr: Trifluoromethyl benzene	*113*			*70-130*	*%REC*	1	2/7/2009
TCLP MERCURY		Method: **SW7470**			Leachate: SW1311 / 2/6/09 Prep: SW7470 / 2/10/09		Analyst: **JCJ**
Mercury	U		0.0000420	0.000200	mg/L	1	2/10/2009
TCLP METALS		Method: **SW1311/6020**			Leachate: SW1311 / 2/6/09 Prep: SW3010A / 2/6/09		Analyst: **SKS**
Arsenic	U		0.0190	0.0500	mg/L	10	2/6/2009
Barium	**1.19**		**0.0130**	**0.0500**	**mg/L**	10	2/6/2009
Cadmium	**0.0143**	J	**0.0100**	**0.0500**	**mg/L**	10	2/6/2009
Chromium	**0.178**		**0.00700**	**0.0500**	**mg/L**	10	2/6/2009
Lead	**0.0238**	J	**0.0120**	**0.0500**	**mg/L**	10	2/6/2009
Selenium	U		0.0220	0.0500	mg/L	10	2/6/2009
Silver	U		0.00700	0.0500	mg/L	10	2/6/2009
TCLP SEMIVOLATILES		Method: **SW1311/8270**			Leachate: SW1311 / 2/6/09 Prep: SW3510 / 2/6/09		Analyst: **ACN**
2,4,5-Trichlorophenol	U		1.3	5.0	µg/L	1	2/6/2009
2,4,6-Trichlorophenol	U		1.6	5.0	µg/L	1	2/6/2009
2,4-Dinitrotoluene	U		0.90	5.0	µg/L	1	2/6/2009
Cresols, Total	U		4.1	15	µg/L	1	2/6/2009
Hexachlorobenzene	U		0.60	5.0	µg/L	1	2/6/2009
Hexachlorobutadiene	U		0.90	5.0	µg/L	1	2/6/2009
Hexachloroethane	U		1.4	5.0	µg/L	1	2/6/2009
Nitrobenzene	U		0.80	5.0	µg/L	1	2/6/2009
Pentachlorophenol	U		1.5	5.0	µg/L	1	2/6/2009
Pyridine	U		0.90	5.0	µg/L	1	2/6/2009
Surr: 2,4,6-Tribromophenol	*43.9*			*42-124*	*%REC*	1	2/6/2009
Surr: 2-Fluorobiphenyl	*49.1*			*48-120*	*%REC*	1	2/6/2009
Surr: 2-Fluorophenol	*47.8*			*20-120*	*%REC*	1	2/6/2009
Surr: 4-Terphenyl-d14	*53.3*			*51-135*	*%REC*	1	2/6/2009
Surr: Nitrobenzene-d5	*50.5*			*41-120*	*%REC*	1	2/6/2009
Surr: Phenol-d6	*50.9*			*20-120*	*%REC*	1	2/6/2009
TCLP VOLATILES		Method: **SW1311/8260B**			Leachate: SW1311 / 2/6/09		Analyst: **PC**

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ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: IDWS-1620-RT655-20090203
Collection Date: 2/3/2009 04:15 PM

Work Order: 0902086
Lab ID: 0902086-10
Matrix: SOIL

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
1,1-Dichloroethene	U		12	100	µg/L	20	2/11/2009
1,2-Dichloroethane	U		10	100	µg/L	20	2/11/2009
1,4-Dichlorobenzene	U		14	100	µg/L	20	2/11/2009
2-Butanone	U		16	200	µg/L	20	2/11/2009
Benzene	U		12	100	µg/L	20	2/11/2009
Carbon tetrachloride	U		12	100	µg/L	20	2/11/2009
Chlorobenzene	U		10	100	µg/L	20	2/11/2009
Chloroform	U		10	100	µg/L	20	2/11/2009
Tetrachloroethene	U		10	100	µg/L	20	2/11/2009
Trichloroethene	U		14	100	µg/L	20	2/11/2009
Vinyl chloride	U		12	100	µg/L	20	2/11/2009
Surr: 1,2-Dichloroethane-d4	*97.6*			*70-125*	*%REC*	20	2/11/2009
Surr: 4-Bromofluorobenzene	*106*			*72-125*	*%REC*	20	2/11/2009
Surr: Dibromofluoromethane	*99.8*			*71-125*	*%REC*	20	2/11/2009
Surr: Toluene-d8	*113*			*75-125*	*%REC*	20	2/11/2009
MOISTURE		Method: **E160.3**					Analyst: **TDW**
Percent Moisture	**55.2**	n	**0.010**	**0.0100**	**wt%**	1	2/10/2009

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ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC
Project: Houston Wood Preserving Works
Sample ID: Trip Blank
Collection Date: 2/3/2009 05:00 PM

Work Order: 0902086
Lab ID: 0902086-11
Matrix: TRIP BLANK

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILES		Method: **SW8260**					Analyst: **PC**
Benzene	U		0.50	5.0	µg/L	1	2/12/2009
Ethylbenzene	U		0.50	5.0	µg/L	1	2/12/2009
Toluene	U		0.50	5.0	µg/L	1	2/12/2009
Xylenes, Total	U		1.0	15	µg/L	1	2/12/2009
Surr: 1,2-Dichloroethane-d4	*97.9*			*70-125*	*%REC*	1	2/12/2009
Surr: 4-Bromofluorobenzene	*107*			*72-125*	*%REC*	1	2/12/2009
Surr: Dibromofluoromethane	*102*			*71-125*	*%REC*	1	2/12/2009
Surr: Toluene-d8	*108*			*75-125*	*%REC*	1	2/12/2009

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P - Dual Column results RPD > 40%
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ALS Laboratory Group

Date: 17-Feb-09

WorkOrder: 0902086
Test Code: 1311_HG
Test Number: SW7470
Test Name: TCLP Mercury

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Mercury	7439-97-6	0.000042	0.0002

ALS Laboratory Group

Date: 17-Feb-09

WorkOrder: 0902086
Test Code: 1311_METALS
Test Number: SW1311/6020
Test Name: TCLP Metals

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Arsenic	7440-38-2	0.0019	0.005
A	Barium	7440-39-3	0.0013	0.005
A	Cadmium	7440-43-9	0.001	0.005
A	Chromium	7440-47-3	0.0007	0.005
A	Lead	7439-92-1	0.0012	0.005
A	Selenium	7782-49-2	0.0022	0.005
A	Silver	7440-22-4	0.0007	0.005

WorkOrder: 0902086
Test Code: 1311_SV
Test Number: SW1311/8270
Test Name: TCLP Semivolatiles **Matrix:** Leachate **Units:** µg/L

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	CAS	MDL	Unadjusted MQL
A	2,4,5-Trichlorophenol	95-95-4	1.3	5
A	2,4,6-Trichlorophenol	88-06-2	1.6	5
A	2,4-Dinitrotoluene	121-14-2	0.9	5
A	Cresols, Total	1319-77-3	4.1	15
A	Hexachlorobenzene	118-74-1	0.6	5
A	Hexachlorobutadiene	87-68-3	0.9	5
A	Hexachloroethane	67-72-1	1.4	5
A	Nitrobenzene	98-95-3	0.8	5
A	Pentachlorophenol	87-86-5	1.5	5
A	Pyridine	110-86-1	0.9	5
S	Surr: 2,4,6-Tribromophenol	118-79-6	0	5
S	Surr: 2-Fluorobiphenyl	321-60-8	0	5
S	Surr: 2-Fluorophenol	367-12-4	0	5
S	Surr: 4-Terphenyl-d14	1718-51-0	0	5
S	Surr: Nitrobenzene-d5	4165-60-0	0	5
S	Surr: Phenol-d6	13127-88-3	0	5

WorkOrder: 0902086
Test Code: 1311_VOC
Test Number: SW1311/8260B
Test Name: TCLP Volatiles

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** µg/L

Type	Analyte	CAS	MDL	Unadjusted MQL
A	1,1-Dichloroethene	75-35-4	0.6	5
A	1,2-Dichloroethane	107-06-2	0.5	5
A	1,4-Dichlorobenzene	106-46-7	0.7	5
A	2-Butanone	78-93-3	0.8	10
A	Benzene	71-43-2	0.6	5
A	Carbon tetrachloride	56-23-5	0.6	5
A	Chlorobenzene	108-90-7	0.5	5
A	Chloroform	67-66-3	0.5	5
A	Tetrachloroethene	127-18-4	0.5	5
A	Trichloroethene	79-01-6	0.7	5
A	Vinyl chloride	75-01-4	0.6	5
S	Surr: 1,2-Dichloroethane-d4	17060-07-0	0	5
S	Surr: 4-Bromofluorobenzene	460-00-4	0	5
S	Surr: Dibromofluoromethane	1868-53-7	0	5
S	Surr: Toluene-d8	2037-26-5	0	5

WorkOrder: 0902086
Test Code: 8260_TCL_S
Test Number: SW8260
Test Name: TCL Volatiles **Matrix:** Solid **Units:** µg/Kg

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Benzene	71-43-2	0.5	5
A	Ethylbenzene	100-41-4	0.5	5
A	Toluene	108-88-3	0.5	5
M	Xylenes, Total	1330-20-7	1	15
S	Surr: 1,2-Dichloroethane-d4	17060-07-0	0	0
S	Surr: 4-Bromofluorobenzene	460-00-4	0	0
S	Surr: Dibromofluoromethane	1868-53-7	0	0
S	Surr: Toluene-d8	2037-26-5	0	0

WorkOrder: 0902086
Test Code: 8260_TCL_W
Test Number: SW8260
Test Name: TCL Volatiles **Matrix:** Aqueous **Units:** µg/L

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Benzene	71-43-2	0.5	5
A	Ethylbenzene	100-41-4	0.5	5
A	Toluene	108-88-3	0.5	5
M	Xylenes, Total	1330-20-7	1	15
S	Surr: 1,2-Dichloroethane-d4	17060-07-0	0	5
S	Surr: 4-Bromofluorobenzene	460-00-4	0	5
S	Surr: Dibromofluoromethane	1868-53-7	0	5
S	Surr: Toluene-d8	2037-26-5	0	5

WorkOrder: 0902086
Test Code: 8270_LOW_S
Test Number: SW8270
Test Name: Low-Level Semivolatiles **Matrix:** Solid **Units:** µg/Kg

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	CAS	MDL	Unadjusted MQL
A	1,2-Diphenylhydrazine	122-66-7	1.9	6.6
A	2,4-Dimethylphenol	105-67-9	3.8	6.6
A	2,4-Dinitrotoluene	121-14-2	6.6	6.6
A	2,6-Dinitrotoluene	606-20-2	3.2	6.6
A	2-Chloronaphthalene	91-58-7	3.7	6.6
A	2-Methylnaphthalene	91-57-6	1.3	6.6
A	4,6-Dinitro-2-methylphenol	534-52-1	3.7	6.6
A	4-Nitrophenol	100-02-7	2.3	33
A	Acenaphthene	83-32-9	2.1	6.6
A	Acenaphthylene	208-96-8	1.4	6.6
A	Anthracene	120-12-7	2.2	6.6
A	Benz(a)anthracene	56-55-3	2.8	6.6
A	Benzo(a)pyrene	50-32-8	2.1	6.6
A	Bis(2-ethylhexyl)phthalate	117-81-7	3	6.6
A	Chrysene	218-01-9	2.8	6.6
A	Di-n-butyl phthalate	84-74-2	2.5	6.6
A	Dibenzofuran	132-64-9	1.6	6.6
A	Fluoranthene	206-44-0	2	6.6
A	Fluorene	86-73-7	1.2	6.6
A	N-Nitrosodiphenylamine	86-30-6	2	6.6
A	Naphthalene	91-20-3	1.4	6.6
A	Nitrobenzene	98-95-3	6.6	6.6
A	Pentachlorophenol	87-86-5	2.3	6.6
A	Phenanthrene	85-01-8	3	6.6
A	Phenol	108-95-2	3.5	6.6
A	Pyrene	129-00-0	1.3	6.6
S	Surr: 2,4,6-Tribromophenol	118-79-6	0	6.6
S	Surr: 2-Fluorobiphenyl	321-60-8	0	6.6
S	Surr: 2-Fluorophenol	367-12-4	0	6.6
S	Surr: 4-Terphenyl-d14	1718-51-0	0	6.6
S	Surr: Nitrobenzene-d5	4165-60-0	0	6.6
S	Surr: Phenol-d6	13127-88-3	0	6.6

WorkOrder: 0902086
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles **Matrix:** Aqueous **Units:** µg/L

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	CAS	MDL	Unadjusted MQL
A	1,2-Diphenylhydrazine	122-66-7	0.1	0.2
A	2,4-Dimethylphenol	105-67-9	0.08	0.2
A	2,4-Dinitrotoluene	121-14-2	0.09	0.2
A	2,6-Dinitrotoluene	606-20-2	0.07	0.2
A	2-Chloronaphthalene	91-58-7	0.12	0.2
A	2-Methylnaphthalene	91-57-6	0.07	0.2
A	4,6-Dinitro-2-methylphenol	534-52-1	0.08	0.2
A	4-Nitrophenol	100-02-7	0.07	1
A	Acenaphthene	83-32-9	0.09	0.2
A	Acenaphthylene	208-96-8	0.06	0.2
A	Anthracene	120-12-7	0.07	0.2
A	Benz(a)anthracene	56-55-3	0.07	0.2
A	Benzo(a)pyrene	50-32-8	0.08	0.2
A	Bis(2-ethylhexyl)phthalate	117-81-7	0.2	0.2
A	Chrysene	218-01-9	0.07	0.2
A	Di-n-butyl phthalate	84-74-2	0.07	0.2
A	Dibenzofuran	132-64-9	0.08	0.2
A	Fluoranthene	206-44-0	0.07	0.2
A	Fluorene	86-73-7	0.07	0.2
A	N-Nitrosodiphenylamine	86-30-6	0.09	0.2
A	Naphthalene	91-20-3	0.1	0.2
A	Nitrobenzene	98-95-3	0.09	0.2
A	Pentachlorophenol	87-86-5	0.08	0.2
A	Phenanthrene	85-01-8	0.07	0.2
A	Phenol	108-95-2	0.07	0.2
A	Pyrene	129-00-0	0.07	0.2
S	Surr: 2,4,6-Tribromophenol	118-79-6	0	0.2
S	Surr: 2-Fluorobiphenyl	321-60-8	0	0.2
S	Surr: 2-Fluorophenol	367-12-4	0	0.2
S	Surr: 4-Terphenyl-d14	1718-51-0	0	0.2
S	Surr: Nitrobenzene-d5	4165-60-0	0	0.2
S	Surr: Phenol-d6	13127-88-3	0	0.2

ALS Laboratory Group

Date: 17-Feb-09

WorkOrder: 0902086
Test Code: MOISTURE
Test Number: E160.3
Test Name: Moisture

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** wt%

Type	Analyte	CAS	MDL	Unadjusted MQL
A	Percent Moisture	MOIST	0.01	0.01

WorkOrder: 0902086
Test Code: PH_W M4500H+B
Test Number: SM4500H+ B
Test Name: pH

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** pH units

Type	Analyte	CAS	MDL	Unadjusted MQL
A	pH		0.1	0.1

ALS Laboratory Group

Date: 17-Feb-09

WorkOrder: 0902086
Test Code: TX1005_S_REV3
Test Number: TX1005
Test Name: Texas TPH

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	MDL	Unadjusted MQL
A	>nC12 to nC28	TPHDRO	16	50
A	>nC28 to nC35	10W40MOTO	16	50
A	nC6 to nC12	TPHGRO	16	50
M	Total Petroleum Hydrocarbon	TPH	16	50
S	Surr: 2-Fluorobiphenyl	321-60-8	0	0
S	Surr: Trifluoromethyl benzene	98-08-8	0	0

ALS Laboratory Group

Date: 17-Feb-09

WorkOrder: 0902086
Test Code: TX1005_W_Low
Test Number: TX1005
Test Name: Low-level Texas TPH

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	MDL	Unadjusted MQL
A	>nC12 to nC28	TPHDRO	0.2	0.5
A	>nC28 to nC35	10W40MOTO	0.2	0.5
A	nC6 to nC12	TPHGRO	0.2	0.5
M	Total Petroleum Hydrocarbon	TPH	0.2	0.5
S	Surr: 2-Fluorobiphenyl	321-60-8	0	0
S	Surr: Trifluoromethyl benzene	98-08-8	0	0

ALS Laboratory Group

Date: *17-Feb-09*

Client: Pastor, Behling & Wheeler, LLC

QC BATCH REPORT

Work Order: 0902086

Project: Houston Wood Preserving Works

Batch ID: **34297** Instrument ID **FID-11** Method: **TX1005**

MBLK Sample ID: **FBLKW1-090204-34297** Units: **mg/L** Analysis Date: **2/6/2009 04:08 AM**

Client ID: Run ID: **FID-11_090204D** SeqNo: **1595584** Prep Date: **2/4/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	U	0.50								
>nC12 to nC28	U	0.50								
>nC28 to nC35	U	0.50								
Total Petroleum Hydrocarbon	U	0.50								
Surr: 2-Fluorobiphenyl	*2.827*	0	*2.5*	0	*113*	*70-130*	0			
Surr: Trifluoromethyl benzene	*2.609*	0	*2.5*	0	*104*	*70-130*	0			

LCS Sample ID: **FLCSW1-090204-34297** Units: **mg/L** Analysis Date: **2/6/2009 04:34 AM**

Client ID: Run ID: **FID-11_090204D** SeqNo: **1595585** Prep Date: **2/4/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	23.95	0.50	25	0	95.8	75-125	0			
>nC12 to nC28	23.48	0.50	25	0	93.9	75-125	0			
Surr: 2-Fluorobiphenyl	*3.08*	0	*2.5*	0	*123*	*70-130*	0			
Surr: Trifluoromethyl benzene	*2.397*	0	*2.5*	0	*95.9*	*70-130*	0			

LCSD Sample ID: **FLCSDW1-090204-34297** Units: **mg/L** Analysis Date: **2/6/2009 04:59 AM**

Client ID: Run ID: **FID-11_090204D** SeqNo: **1595586** Prep Date: **2/4/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	25.93	0.50	25	0	104	75-125	23.95	7.93	20	
>nC12 to nC28	25.87	0.50	25	0	103	75-125	23.48	9.71	20	
Surr: 2-Fluorobiphenyl	*2.978*	0	*2.5*	0	*119*	*70-130*	3.08	*3.39*	*20*	
Surr: Trifluoromethyl benzene	*2.481*	0	*2.5*	0	*99.2*	*70-130*	2.397	*3.43*	*20*	

MS Sample ID: **0902037-01BMS** Units: **mg/L** Analysis Date: **2/6/2009 05:49 AM**

Client ID: Run ID: **FID-11_090204D** SeqNo: **1595588** Prep Date: **2/4/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	29.88	0.48	24.15	10.17	81.6	75-125	0			
>nC12 to nC28	22.46	0.48	24.15	0.4694	91	75-125	0			
Surr: 2-Fluorobiphenyl	*2.742*	0	*2.415*	0	*114*	*70-130*	0			
Surr: Trifluoromethyl benzene	*2.09*	0	*2.415*	0	*86.5*	*70-130*	0			

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in assoc. Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

U - Analyzed for but not detected

O - Referenced analyte value is > 4 times amount spiked

P - Dual Column results percent difference > 40%

E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34297** Instrument ID **FID-11** Method: **TX1005**

MSD Sample ID: **0902037-01BMSD** Units: **mg/L** Analysis Date: **2/6/2009 06:14 AM**

Client ID: Run ID: **FID-11_090204D** SeqNo: **1595589** Prep Date: **2/4/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	31.15	0.48	23.95	10.17	87.6	75-125	29.88	4.15	20	
>nC12 to nC28	20.37	0.48	23.95	0.4694	83.1	75-125	22.46	9.75	20	
Surr: 2-Fluorobiphenyl	*2.554*	0	*2.395*	0	*107*	*70-130*	2.742	*7.13*	*20*	
Surr: Trifluoromethyl benzene	*1.955*	0	*2.395*	0	*81.6*	*70-130*	2.09	*6.7*	*20*	

The following samples were analyzed in this batch: 0902086-07B 0902086-08B

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34300** Instrument ID **FID-11** Method: **TX1005**

MBLK Sample ID: **FBLKS1-090204-34300** Units: **mg/Kg** Analysis Date: **2/4/2009 05:23 PM**
Client ID: Run ID: **FID-11_090204B** SeqNo: **1594913** Prep Date: **2/4/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	U	50								
>nC12 to nC28	U	50								
>nC28 to nC35	U	50								
Total Petroleum Hydrocarbon	U	50								
Surr: 2-Fluorobiphenyl	*22.1*	0	*25*	0	*88.4*	*70-130*	0			
Surr: Trifluoromethyl benzene	*22.78*	0	*25*	0	*91.1*	*70-130*	0			

LCS Sample ID: **FLCSS1-090204-34300** Units: **mg/Kg** Analysis Date: **2/4/2009 05:49 PM**
Client ID: Run ID: **FID-11_090204B** SeqNo: **1594914** Prep Date: **2/4/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	213.7	50	250	0	85.5	75-125	0			
>nC12 to nC28	208.7	50	250	0	83.5	75-125	0			
Surr: 2-Fluorobiphenyl	*24.8*	0	*25*	0	*99.2*	*70-130*	0			
Surr: Trifluoromethyl benzene	*23.85*	0	*25*	0	*95.4*	*70-130*	0			

LCSD Sample ID: **FLCSDS1-090204-34300** Units: **mg/Kg** Analysis Date: **2/4/2009 06:14 PM**
Client ID: Run ID: **FID-11_090204B** SeqNo: **1594915** Prep Date: **2/4/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	210.2	50	250	0	84.1	75-125	213.7	1.66	20	
>nC12 to nC28	214.8	50	250	0	85.9	75-125	208.7	2.91	20	
Surr: 2-Fluorobiphenyl	*24.31*	0	*25*	0	*97.3*	*70-130*	24.8	*1.96*	*20*	
Surr: Trifluoromethyl benzene	*22.59*	0	*25*	0	*90.3*	*70-130*	23.85	*5.43*	*20*	

MS Sample ID: **0902007-20AMS** Units: **mg/Kg** Analysis Date: **2/4/2009 07:04 PM**
Client ID: Run ID: **FID-11_090204B** SeqNo: **1594917** Prep Date: **2/4/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	211.6	49	244.4	0	86.6	75-125	0			
>nC12 to nC28	215.1	49	244.4	0	88	75-125	0			
Surr: 2-Fluorobiphenyl	*23.88*	0	*24.44*	0	*97.7*	*70-130*	0			
Surr: Trifluoromethyl benzene	*22.88*	0	*24.44*	0	*93.6*	*70-130*	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34300** Instrument ID **FID-11** Method: **TX1005**

MSD Sample ID: **0902007-20AMSD** Units: **mg/Kg** Analysis Date: **2/4/2009 07:29 PM**

Client ID: Run ID: **FID-11_090204B** SeqNo: **1594918** Prep Date: **2/4/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
nC6 to nC12	218.3	49	244.4	0	89.3	75-125	211.6	3.09	20	
>nC12 to nC28	215.5	49	244.4	0	88.2	75-125	215.1	0.162	20	
Surr: 2-Fluorobiphenyl	*24.85*	0	*24.44*	0	*102*	*70-130*	23.88	*3.98*	*20*	
Surr: Trifluoromethyl benzene	*23.78*	0	*24.44*	0	*97.3*	*70-130*	22.88	*3.86*	*20*	

The following samples were analyzed in this batch: 0902086-09B 0902086-10B

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34342** Instrument ID **ICP7500** Method: **SW1311/6020**

MBLK Sample ID: **MBLKT1-020509-34342** Units: **mg/L** Analysis Date: **2/6/2009 04:03 PM**
Client ID: Run ID: **ICP7500_090206A** SeqNo: **1596079** Prep Date: **2/6/2009** DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.050								
Barium	0.01451	0.050								J
Cadmium	0.01201	0.050								J
Chromium	U	0.050								
Lead	0.01534	0.050								J
Selenium	U	0.050								
Silver	U	0.050								

MBLK Sample ID: **MBLKW2-020609-34342** Units: **mg/L** Analysis Date: **2/6/2009 04:09 PM**
Client ID: Run ID: **ICP7500_090206A** SeqNo: **1596080** Prep Date: **2/6/2009** DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.050								
Barium	0.01332	0.050								J
Cadmium	0.01193	0.050								J
Chromium	U	0.050								
Lead	0.01506	0.050								J
Selenium	U	0.050								
Silver	U	0.050								

LCS Sample ID: **MLCSW2-020609-34342** Units: **mg/L** Analysis Date: **2/6/2009 04:15 PM**
Client ID: Run ID: **ICP7500_090206A** SeqNo: **1596081** Prep Date: **2/6/2009** DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.2567	0.050	0.25	0	103	80-120	0			
Barium	0.2499	0.050	0.25	0	100	80-120	0			
Cadmium	0.2547	0.050	0.25	0	102	80-120	0			
Chromium	0.2325	0.050	0.25	0	93	80-120	0			
Lead	0.2485	0.050	0.25	0	99.4	80-120	0			
Selenium	0.2394	0.050	0.25	0	95.8	80-120	0			
Silver	0.2497	0.050	0.25	0	99.9	80-120	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34342** Instrument ID **ICP7500** Method: **SW1311/6020**

MS Sample ID: **0902073-01AMS** Units: **mg/L** Analysis Date: **2/6/2009 04:39 PM**

Client ID: Run ID: **ICP7500_090206A** SeqNo: **1596085** Prep Date: **2/6/2009** DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.2442	0.050	0.25	0.002295	96.8	75-125	0			
Barium	0.5243	0.050	0.25	0.2977	90.6	75-125	0			
Cadmium	0.2554	0.050	0.25	0.01298	97	75-125	0			
Chromium	0.2711	0.050	0.25	0.04241	91.5	75-125	0			
Lead	0.2572	0.050	0.25	0.02282	93.8	75-125	0			
Selenium	0.2504	0.050	0.25	-0.004143	102	75-125	0			
Silver	0.2389	0.050	0.25	0.0000658	95.5	75-125	0			

MSD Sample ID: **0902073-01AMSD** Units: **mg/L** Analysis Date: **2/6/2009 04:45 PM**

Client ID: Run ID: **ICP7500_090206A** SeqNo: **1596086** Prep Date: **2/6/2009** DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.2527	0.050	0.25	0.002295	100	75-125	0.2442	3.42	25	
Barium	0.5354	0.050	0.25	0.2977	95.1	75-125	0.5243	2.09	25	
Cadmium	0.2589	0.050	0.25	0.01298	98.4	75-125	0.2554	1.36	25	
Chromium	0.2777	0.050	0.25	0.04241	94.1	75-125	0.2711	2.41	25	
Lead	0.2626	0.050	0.25	0.02282	95.9	75-125	0.2572	2.08	25	
Selenium	0.2502	0.050	0.25	-0.004143	102	75-125	0.2504	0.0799	25	
Silver	0.2411	0.050	0.25	0.0000658	96.4	75-125	0.2389	0.917	25	

DUP Sample ID: **0902073-01ADUP** Units: **mg/L** Analysis Date: **2/6/2009 04:33 PM**

Client ID: Run ID: **ICP7500_090206A** SeqNo: **1596084** Prep Date: **2/6/2009** DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.050	0	0	0	0-0	0.002295	0	25	
Barium	0.2874	0.050	0	0	0	0-0	0.2977	3.52	25	
Cadmium	0.01282	0.050	0	0	0	0-0	0.01298	0	25	J
Chromium	0.04319	0.050	0	0	0	0-0	0.04241	0	25	J
Lead	0.02315	0.050	0	0	0	0-0	0.02282	0	25	J
Selenium	U	0.050	0	0	0	0-0	-0.004143	0	25	
Silver	U	0.050	0	0	0	0-0	0.0000658	0	25	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34342** Instrument ID **ICP7500** Method: **SW1311/6020**

PDS Sample ID: **0902073-01ABS** Units: **mg/L** Analysis Date: **2/6/2009 04:51 PM**

Client ID: Run ID: **ICP7500_090206A** SeqNo: **1596087** Prep Date: DF: **10**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.9236	0.050	1	0.002295	92.1	75-125	0			
Barium	1.097	0.050	1	0.2977	79.9	75-125	0			
Cadmium	0.8681	0.050	1	0.01298	85.5	75-125	0			
Chromium	0.8798	0.050	1	0.04241	83.7	75-125	0			
Lead	0.851	0.050	1	0.02282	82.8	75-125	0			
Selenium	0.9116	0.050	1	-0.004143	91.6	75-125	0			
Silver	0.8825	0.050	1	0.0000658	88.2	75-125	0			

SD Sample ID: **0902073-01A DIL SX** Units: **mg/L** Analysis Date: **2/6/2009 04:57 PM**

Client ID: Run ID: **ICP7500_090206A** SeqNo: **1596088** Prep Date: DF: **50**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.25	0	0	0	0-0	0.002295	0	10	
Barium	0.3613	0.25	0	0	0	0-0	0.2977	21.4	10	R
Cadmium	0.06425	0.25	0	0	0	0-0	0.01298	0	10	J
Chromium	0.04978	0.25	0	0	0	0-0	0.04241	0	10	J
Lead	0.0867	0.25	0	0	0	0-0	0.02282	0	10	J
Selenium	U	0.25	0	0	0	0-0	-0.004143	0	10	
Silver	U	0.25	0	0	0	0-0	0.0000658	0	10	

The following samples were analyzed in this batch: 0902086-09B 0902086-10B

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34401** Instrument ID **Mercury** Method: **SW7470**

MBLK Sample ID: **GBLKW4-021009-34401** Units: **mg/L** Analysis Date: **2/10/2009 06:06 PM**
Client ID: Run ID: **MERCURY_090210D** SeqNo: **1598595** Prep Date: **2/10/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.00020								

MBLK Sample ID: **GBLKT1-020909-34401** Units: **mg/L** Analysis Date: **2/10/2009 06:11 PM**
Client ID: Run ID: **MERCURY_090210D** SeqNo: **1598597** Prep Date: **2/10/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.00020								

LCS Sample ID: **GLCSW4-021009-34401** Units: **mg/L** Analysis Date: **2/10/2009 06:08 PM**
Client ID: Run ID: **MERCURY_090210D** SeqNo: **1598596** Prep Date: **2/10/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.0055	0.00020	0.005	0	110	80-120	0			

MS Sample ID: **0902085-01BMS** Units: **mg/L** Analysis Date: **2/10/2009 06:17 PM**
Client ID: Run ID: **MERCURY_090210D** SeqNo: **1598600** Prep Date: **2/10/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00588	0.00020	0.005	0.000014	117	75-125	0			

MSD Sample ID: **0902085-01BMSD** Units: **mg/L** Analysis Date: **2/10/2009 06:19 PM**
Client ID: Run ID: **MERCURY_090210D** SeqNo: **1598601** Prep Date: **2/10/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00585	0.00020	0.005	0.000014	117	75-125	0.00588	0.512	20	

DUP Sample ID: **0902085-01BDUP** Units: **mg/L** Analysis Date: **2/10/2009 06:15 PM**
Client ID: Run ID: **MERCURY_090210D** SeqNo: **1598599** Prep Date: **2/10/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.00020	0	0	0	0-0	0.000014	0	20	

The following samples were analyzed in this batch: 0902086-09B 0902086-10B

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34312** Instrument ID **SV-2** Method: **SW8270**

MBLK Sample ID: **SBLKS2-090205-34312** Units: **µg/Kg** Analysis Date: **2/10/2009 09:52 AM**

Client ID: Run ID: **SV-2_090210A** SeqNo: **1599319** Prep Date: **2/5/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	U	6.6								
2,4-Dimethylphenol	U	6.6								
2,4-Dinitrotoluene	U	6.6								
2,6-Dinitrotoluene	U	6.6								
2-Chloronaphthalene	U	6.6								
2-Methylnaphthalene	U	6.6								
4,6-Dinitro-2-methylphenol	U	6.6								
4-Nitrophenol	U	33								
Acenaphthene	U	6.6								
Acenaphthylene	U	6.6								
Anthracene	U	6.6								
Benz(a)anthracene	U	6.6								
Benzo(a)pyrene	U	6.6								
Bis(2-ethylhexyl)phthalate	U	6.6								
Chrysene	U	6.6								
Di-n-butyl phthalate	U	6.6								
Dibenzofuran	U	6.6								
Fluoranthene	U	6.6								
Fluorene	U	6.6								
N-Nitrosodiphenylamine	U	6.6								
Naphthalene	U	6.6								
Nitrobenzene	U	6.6								
Pentachlorophenol	U	6.6								
Phenanthrene	U	6.6								
Phenol	U	6.6								
Pyrene	U	6.6								
Surr: 2,4,6-Tribromophenol	*141.9*	6.6	*166.7*	0	*85.1*	*36-126*	0			
Surr: 2-Fluorobiphenyl	*141.9*	6.6	*166.7*	0	*85.1*	*43-125*	0			
Surr: 2-Fluorophenol	*152.4*	6.6	*166.7*	0	*91.4*	*37-125*	0			
Surr: 4-Terphenyl-d14	*139.1*	6.6	*166.7*	0	*83.4*	*32-125*	0			
Surr: Nitrobenzene-d5	*138.4*	6.6	*166.7*	0	*83*	*37-125*	0			
Surr: Phenol-d6	*151.9*	6.6	*166.7*	0	*91.1*	*40-125*	0			

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J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34312** Instrument ID **SV-2** Method: **SW8270**

LCS Sample ID: **SLCS2-090205-34312** Units: **µg/Kg** Analysis Date: **2/10/2009 10:13 AM**

Client ID: Run ID: **SV-2_090210A** SeqNo: **1599331** Prep Date: **2/5/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	154.2	6.6	166.7	0	92.5	50-135	0			
2,4-Dimethylphenol	143.9	6.6	166.7	0	86.4	45-120	0			
2,4-Dinitrotoluene	156.6	6.6	166.7	0	94	50-130	0			
2,6-Dinitrotoluene	149.9	6.6	166.7	0	89.9	50-125	0			
2-Chloronaphthalene	170.8	6.6	166.7	0	102	50-145	0			
2-Methylnaphthalene	144.6	6.6	166.7	0	86.7	50-120	0			
4,6-Dinitro-2-methylphenol	117.7	6.6	166.7	0	70.6	15-135	0			
4-Nitrophenol	189.6	33	166.7	0	114	40-147	0			
Acenaphthene	144.3	6.6	166.7	0	86.6	50-120	0			
Acenaphthylene	144.3	6.6	166.7	0	86.6	50-120	0			
Anthracene	150.7	6.6	166.7	0	90.4	50-123	0			
Benz(a)anthracene	156.8	6.6	166.7	0	94.1	50-131	0			
Benzo(a)pyrene	149.1	6.6	166.7	0	89.4	50-130	0			
Bis(2-ethylhexyl)phthalate	156.5	6.6	166.7	0	93.9	21-148	0			
Chrysene	157.6	6.6	166.7	0	94.5	50-130	0			
Di-n-butyl phthalate	155.5	6.6	166.7	0	93.3	50-140	0			
Dibenzofuran	146.1	6.6	166.7	0	87.7	50-125	0			
Fluoranthene	163.7	6.6	166.7	0	98.2	50-131	0			
Fluorene	147.4	6.6	166.7	0	88.4	50-125	0			
N-Nitrosodiphenylamine	156	6.6	166.7	0	93.6	50-130	0			
Naphthalene	145.1	6.6	166.7	0	87.1	50-125	0			
Nitrobenzene	142.7	6.6	166.7	0	85.6	50-125	0			
Pentachlorophenol	120.8	6.6	166.7	0	72.5	23-136	0			
Phenanthrene	153.4	6.6	166.7	0	92	50-125	0			
Phenol	160.7	6.6	166.7	0	96.4	45-130	0			
Pyrene	154.9	6.6	166.7	0	92.9	45-130	0			
Surr: 2,4,6-Tribromophenol	*148.4*	6.6	*166.7*	0	*89*	*36-126*	0			
Surr: 2-Fluorobiphenyl	*140.2*	6.6	*166.7*	0	*84.1*	*43-125*	0			
Surr: 2-Fluorophenol	*153.4*	6.6	*166.7*	0	*92.1*	*37-125*	0			
Surr: 4-Terphenyl-d14	*138.9*	6.6	*166.7*	0	*83.3*	*32-125*	0			
Surr: Nitrobenzene-d5	*140.2*	6.6	*166.7*	0	*84.1*	*37-125*	0			
Surr: Phenol-d6	*146*	6.6	*166.7*	0	*87.6*	*40-125*	0			

ND - Not Detected at the Reporting Limit
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B - Analyte detected in assoc. Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34312** Instrument ID **SV-2** Method: **SW8270**

MS Sample ID: **0902086-04BMS** Units: **µg/Kg** Analysis Date: **2/10/2009 02:47 PM**

Client ID: **SO-1620-SB113 (0.5-2.0) 20090203** Run ID: **SV-2_090210A** SeqNo: **1599321** Prep Date: **2/5/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	137.5	6.6	166.5	0	82.6	50-135	0			
2,4-Dimethylphenol	133.5	6.6	166.5	5.395	76.9	45-120	0			
2,4-Dinitrotoluene	151.1	6.6	166.5	0	90.7	50-130	0			
2,6-Dinitrotoluene	148.4	6.6	166.5	0	89.1	50-125	0			
2-Chloronaphthalene	149.1	6.6	166.5	0	89.6	50-145	0			
2-Methylnaphthalene	142.1	6.6	166.5	25.22	70.2	50-120	0			
4,6-Dinitro-2-methylphenol	111	6.6	166.5	0	66.6	15-135	0			
4-Nitrophenol	191.9	33	1665	0	11.5	40-147	0			S
Acenaphthene	142.4	6.6	166.5	21.14	72.8	50-120	0			
Acenaphthylene	185.5	6.6	166.5	66.4	71.5	50-120	0			
Anthracene	272.3	6.6	166.5	173.7	59.2	50-123	0			
Benz(a)anthracene	278.8	6.6	166.5	214.6	38.6	50-131	0			S
Benzo(a)pyrene	277.8	6.6	166.5	227.7	30.1	50-130	0			S
Bis(2-ethylhexyl)phthalate	216	6.6	166.5	67.9	89	21-148	0			
Chrysene	314.5	6.6	166.5	296.5	10.8	50-130	0			S
Di-n-butyl phthalate	155.7	6.6	166.5	9.15	88	50-140	0			
Dibenzofuran	148.1	6.6	166.5	24.34	74.4	50-125	0			
Fluoranthene	389.1	6.6	166.5	584.4	-117	50-131	0			SE
Fluorene	144	6.6	166.5	27.2	70.1	50-125	0			
N-Nitrosodiphenylamine	139.1	6.6	166.5	0	83.5	50-130	0			
Naphthalene	135.1	6.6	166.5	19.83	69.2	50-125	0			
Nitrobenzene	123.4	6.6	166.5	0	74.1	50-125	0			
Pentachlorophenol	174.7	6.6	166.5	7.611	100	23-136	0			
Phenanthrene	210.4	6.6	166.5	404.5	-117	50-125	0			S
Phenol	146.4	6.6	166.5	5.914	84.3	45-130	0			
Pyrene	421.7	6.6	166.5	564.6	-85.8	45-130	0			SE
Surr: 2,4,6-Tribromophenol	*155.3*	6.6	*166.5*	0	*93.2*	*36-126*	0			
Surr: 2-Fluorobiphenyl	*126.6*	6.6	*166.5*	0	*76*	*43-125*	0			
Surr: 2-Fluorophenol	*120.3*	6.6	*166.5*	0	*72.3*	*37-125*	0			
Surr: 4-Terphenyl-d14	*149.5*	6.6	*166.5*	0	*89.8*	*32-125*	0			
Surr: Nitrobenzene-d5	*111.6*	6.6	*166.5*	0	*67*	*37-125*	0			
Surr: Phenol-d6	*143.5*	6.6	*166.5*	0	*86.2*	*40-125*	0			

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Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34312** Instrument ID **SV-2** Method: **SW8270**

MSD Sample ID: **0902086-04BMSD** Units: **µg/Kg** Analysis Date: **2/10/2009 04:14 PM**

Client ID: **SO-1620-SB113 (0.5-2.0) 20090203** Run ID: **SV-2_090210A** SeqNo: **1599323** Prep Date: **2/5/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	132.6	6.6	166.4	0	79.7	50-135	137.5	3.63	30	
2,4-Dimethylphenol	142.1	6.6	166.4	5.395	82.2	45-120	133.5	6.28	30	
2,4-Dinitrotoluene	139.2	6.6	166.4	0	83.7	50-130	151.1	8.2	30	
2,6-Dinitrotoluene	144.3	6.6	166.4	0	86.7	50-125	148.4	2.81	30	
2-Chloronaphthalene	161.8	6.6	166.4	0	97.2	50-145	149.1	8.13	30	
2-Methylnaphthalene	139.5	6.6	166.4	25.22	68.7	50-120	142.1	1.8	30	
4,6-Dinitro-2-methylphenol	78.87	6.6	166.4	0	47.4	15-135	111	33.8	30	R
4-Nitrophenol	171.7	33	1664	0	10.3	40-147	191.9	11.1	30	S
Acenaphthene	142.8	6.6	166.4	21.14	73.1	50-120	142.4	0.266	30	
Acenaphthylene	187.3	6.6	166.4	66.4	72.6	50-120	185.5	0.951	30	
Anthracene	248.2	6.6	166.4	173.7	44.8	50-123	272.3	9.26	30	S
Benz(a)anthracene	251.8	6.6	166.4	214.6	22.4	50-131	278.8	10.2	30	S
Benzo(a)pyrene	263.5	6.6	166.4	227.7	21.5	50-130	277.8	5.3	30	S
Bis(2-ethylhexyl)phthalate	224.6	6.6	166.4	67.9	94.1	21-148	216	3.88	30	
Chrysene	298.6	6.6	166.4	296.5	1.29	50-130	314.5	5.17	30	S
Di-n-butyl phthalate	152.9	6.6	166.4	9.15	86.4	50-140	155.7	1.8	30	
Dibenzofuran	147.2	6.6	166.4	24.34	73.8	50-125	148.1	0.651	30	
Fluoranthene	338.7	6.6	166.4	584.4	-148	50-131	389.1	13.8	30	SE
Fluorene	148.8	6.6	166.4	27.2	73.1	50-125	144	3.34	30	
N-Nitrosodiphenylamine	141.7	6.6	166.4	0	85.1	50-130	139.1	1.82	30	
Naphthalene	135.4	6.6	166.4	19.83	69.4	50-125	135.1	0.205	30	
Nitrobenzene	121.8	6.6	166.4	0	73.2	50-125	123.4	1.34	30	
Pentachlorophenol	164.4	6.6	166.4	7.611	94.2	23-136	174.7	6.11	30	
Phenanthrene	202.6	6.6	166.4	404.5	-121	50-125	210.4	3.78	30	S
Phenol	151.7	6.6	166.4	5.914	87.6	45-130	146.4	3.61	30	
Pyrene	425.4	6.6	166.4	564.6	-83.7	45-130	421.7	0.86	30	SE
Surr: 2,4,6-Tribromophenol	*145.5*	6.6	*166.4*	0	*87.4*	*36-126*	155.3	*6.51*	*30*	
Surr: 2-Fluorobiphenyl	*128.3*	6.6	*166.4*	0	*77.1*	*43-125*	126.6	*1.36*	*30*	
Surr: 2-Fluorophenol	*140.9*	6.6	*166.4*	0	*84.7*	*37-125*	120.3	*15.7*	*30*	
Surr: 4-Terphenyl-d14	*159*	6.6	*166.4*	0	*95.6*	*32-125*	149.5	*6.15*	*30*	
Surr: Nitrobenzene-d5	*110.9*	6.6	*166.4*	0	*66.7*	*37-125*	111.6	*0.607*	*30*	
Surr: Phenol-d6	*142.3*	6.6	*166.4*	0	*85.5*	*40-125*	143.5	*0.796*	*30*	

The following samples were analyzed in this batch:

0902086-01B	0902086-02B	0902086-03B
0902086-04B	0902086-05B	0902086-06B
0902086-09B		

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
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R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34346** Instrument ID **SV-5** Method: **SW1311/8270**

MBLK Sample ID: **SBLKT1-090206-34346** Units: **µg/L** Analysis Date: **2/9/2009 12:21 PM**

Client ID: Run ID: **SV-5_090206A** SeqNo: **1596817** Prep Date: **2/6/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	U	5.0								
2,4,6-Trichlorophenol	U	5.0								
2,4-Dinitrotoluene	U	5.0								
Cresols, Total	U	15								
Hexachlorobenzene	U	5.0								
Hexachlorobutadiene	U	5.0								
Hexachloroethane	U	5.0								
Nitrobenzene	U	5.0								
Pentachlorophenol	U	5.0								
Pyridine	U	5.0								
Surr: 2,4,6-Tribromophenol	*62.77*	5.0	*100*	0	*62.8*	*42-124*	0			
Surr: 2-Fluorobiphenyl	*63.72*	5.0	*100*	0	*63.7*	*48-120*	0			
Surr: 2-Fluorophenol	*55.68*	5.0	*100*	0	*55.7*	*20-120*	0			
Surr: 4-Terphenyl-d14	*64.18*	5.0	*100*	0	*64.2*	*51-135*	0			
Surr: Nitrobenzene-d5	*61.11*	5.0	*100*	0	*61.1*	*41-120*	0			
Surr: Phenol-d6	*59.51*	5.0	*100*	0	*59.5*	*20-120*	0			

LCS Sample ID: **SLCST1-090206-34346** Units: **µg/L** Analysis Date: **2/9/2009 12:51 PM**

Client ID: Run ID: **SV-5_090206A** SeqNo: **1596818** Prep Date: **2/6/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	68.25	5.0	100	0	68.2	52-115	0			
2,4,6-Trichlorophenol	66.73	5.0	100	0	66.7	53-115	0			
2,4-Dinitrotoluene	33.29	5.0	50	0	66.6	56-115	0			
Cresols, Total	164.6	15	250	0	65.9	35-115	0			
Hexachlorobenzene	30.49	5.0	50	0	61	54-115	0			
Hexachlorobutadiene	35.38	5.0	50	0	70.8	51-115	0			
Hexachloroethane	34.56	5.0	50	0	69.1	54-115	0			
Nitrobenzene	32.35	5.0	50	0	64.7	40-124	0			
Pentachlorophenol	61.31	5.0	100	0	61.3	45-125	0			
Pyridine	31.22	5.0	50	0	62.4	34-115	0			
Surr: 2,4,6-Tribromophenol	*67.93*	5.0	*100*	0	*67.9*	*42-124*	0			
Surr: 2-Fluorobiphenyl	*62.35*	5.0	*100*	0	*62.3*	*48-120*	0			
Surr: 2-Fluorophenol	*67.27*	5.0	*100*	0	*67.3*	*20-120*	0			
Surr: 4-Terphenyl-d14	*61.84*	5.0	*100*	0	*61.8*	*51-135*	0			
Surr: Nitrobenzene-d5	*61.63*	5.0	*100*	0	*61.6*	*41-120*	0			
Surr: Phenol-d6	*68.31*	5.0	*100*	0	*68.3*	*20-120*	0			

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U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34346** Instrument ID **SV-5** Method: **SW1311/8270**

LCSD Sample ID: **SLCSDT1-090206-34346** Units: **µg/L** Analysis Date: **2/9/2009 01:20 PM**

Client ID: Run ID: **SV-5_090206A** SeqNo: **1596819** Prep Date: **2/6/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	64.98	5.0	100	0	65	52-115	68.25	4.91	25	
2,4,6-Trichlorophenol	66.85	5.0	100	0	66.9	53-115	66.73	0.177	25	
2,4-Dinitrotoluene	31.43	5.0	50	0	62.9	56-115	33.29	5.76	25	
Cresols, Total	156.9	15	250	0	62.8	35-115	164.6	4.81	25	
Hexachlorobenzene	30.42	5.0	50	0	60.8	54-115	30.49	0.221	25	
Hexachlorobutadiene	36.42	5.0	50	0	72.8	51-115	35.38	2.89	25	
Hexachloroethane	31.89	5.0	50	0	63.8	54-115	34.56	8.01	25	
Nitrobenzene	32.37	5.0	50	0	64.7	40-124	32.35	0.0602	25	
Pentachlorophenol	57.7	5.0	100	0	57.7	45-125	61.31	6.06	25	
Pyridine	29.23	5.0	50	0	58.5	34-115	31.22	6.57	25	
Surr: 2,4,6-Tribromophenol	*64.29*	5.0	*100*	0	*64.3*	*42-124*	67.93	*5.5*	*25*	
Surr: 2-Fluorobiphenyl	*60.45*	5.0	*100*	0	*60.4*	*48-120*	62.35	*3.09*	*25*	
Surr: 2-Fluorophenol	*62.84*	5.0	*100*	0	*62.8*	*20-120*	67.27	*6.82*	*25*	
Surr: 4-Terphenyl-d14	*57.82*	5.0	*100*	0	*57.8*	*51-135*	61.84	*6.71*	*25*	
Surr: Nitrobenzene-d5	*63.77*	5.0	*100*	0	*63.8*	*41-120*	61.63	*3.41*	*25*	
Surr: Phenol-d6	*64*	5.0	*100*	0	*64*	*20-120*	68.31	*6.51*	*25*	

The following samples were analyzed in this batch: 0902086-09B 0902086-10B

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

QC BATCH REPORT

Batch ID: **34398** Instrument ID **SV-4** Method: **SW8270**

MBLK Sample ID: **SBLKW1-090210-34398** Units: **µg/L** Analysis Date: **2/11/2009 10:03 AM**

Client ID: Run ID: **SV-4_090211A** SeqNo: **1599354** Prep Date: **2/10/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	U	0.20								
2,4-Dimethylphenol	U	0.20								
2,4-Dinitrotoluene	U	0.20								
2,6-Dinitrotoluene	U	0.20								
2-Chloronaphthalene	U	0.20								
2-Methylnaphthalene	U	0.20								
4,6-Dinitro-2-methylphenol	U	0.20								
4-Nitrophenol	U	1.0								
Acenaphthene	U	0.20								
Acenaphthylene	U	0.20								
Anthracene	U	0.20								
Benz(a)anthracene	U	0.20								
Benzo(a)pyrene	U	0.20								
Bis(2-ethylhexyl)phthalate	U	0.20								
Chrysene	U	0.20								
Di-n-butyl phthalate	U	0.20								
Dibenzofuran	U	0.20								
Fluoranthene	U	0.20								
Fluorene	U	0.20								
N-Nitrosodiphenylamine	U	0.20								
Naphthalene	U	0.20								
Nitrobenzene	U	0.20								
Pentachlorophenol	U	0.20								
Phenanthrene	U	0.20								
Phenol	U	0.20								
Pyrene	U	0.20								
Surr: 2,4,6-Tribromophenol	*3.362*	0.20	*5*	0	*67.2*	*34-129*	0			
Surr: 2-Fluorobiphenyl	*3.501*	0.20	*5*	0	*70*	*40-125*	0			
Surr: 2-Fluorophenol	*3.585*	0.20	*5*	0	*71.7*	*20-120*	0			
Surr: 4-Terphenyl-d14	*3.551*	0.20	*5*	0	*71*	*40-135*	0			
Surr: Nitrobenzene-d5	*3.765*	0.20	*5*	0	*75.3*	*41-120*	0			
Surr: Phenol-d6	*3.832*	0.20	*5*	0	*76.6*	*20-120*	0			

ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34398** Instrument ID **SV-4** Method: **SW8270**

LCS Sample ID: **SLCSW1-090210-34398** Units: **µg/L** Analysis Date: **2/11/2009 10:25 AM**

Client ID: Run ID: **SV-4_090211A** SeqNo: **1599356** Prep Date: **2/10/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	3.686	0.20	5	0	73.7	39-127	0			
2,4-Dimethylphenol	2.719	0.20	5	0	54.4	35-120	0			
2,4-Dinitrotoluene	3.622	0.20	5	0	72.4	50-122	0			
2,6-Dinitrotoluene	3.517	0.20	5	0	70.3	50-120	0			
2-Chloronaphthalene	4.033	0.20	5	0	80.7	50-120	0			
2-Methylnaphthalene	3.441	0.20	5	0	68.8	50-120	0			
4,6-Dinitro-2-methylphenol	3.611	0.20	5	0	72.2	25-121	0			
4-Nitrophenol	3.526	1.0	5	0	70.5	30-130	0			
Acenaphthene	3.431	0.20	5	0	68.6	45-120	0			
Acenaphthylene	3.449	0.20	5	0	69	47-120	0			
Anthracene	3.398	0.20	5	0	68	45-120	0			
Benz(a)anthracene	3.381	0.20	5	0	67.6	40-120	0			
Benzo(a)pyrene	3.337	0.20	5	0	66.7	45-120	0			
Bis(2-ethylhexyl)phthalate	3.861	0.20	5	0	77.2	40-139	0			
Chrysene	3.426	0.20	5	0	68.5	43-120	0			
Di-n-butyl phthalate	3.549	0.20	5	0	71	45-123	0			
Dibenzofuran	3.418	0.20	5	0	68.4	50-120	0			
Fluoranthene	3.428	0.20	5	0	68.6	45-125	0			
Fluorene	3.406	0.20	5	0	68.1	49-120	0			
N-Nitrosodiphenylamine	3.484	0.20	5	0	69.7	40-125	0			
Naphthalene	3.426	0.20	5	0	68.5	45-120	0			
Nitrobenzene	3.48	0.20	5	0	69.6	44-120	0			
Pentachlorophenol	3.292	0.20	5	0	65.8	19-121	0			
Phenanthrene	3.421	0.20	5	0	68.4	45-121	0			
Phenol	3.442	0.20	5	0	68.8	20-124	0			
Pyrene	3.526	0.20	5	0	70.5	40-130	0			
Surr: 2,4,6-Tribromophenol	*3.178*	0.20	*5*	0	*63.6*	*34-129*	0			
Surr: 2-Fluorobiphenyl	*3.385*	0.20	*5*	0	*67.7*	*40-125*	0			
Surr: 2-Fluorophenol	*3.397*	0.20	*5*	0	*67.9*	*20-120*	0			
Surr: 4-Terphenyl-d14	*3.163*	0.20	*5*	0	*63.3*	*40-135*	0			
Surr: Nitrobenzene-d5	*3.372*	0.20	*5*	0	*67.4*	*41-120*	0			
Surr: Phenol-d6	*3.486*	0.20	*5*	0	*69.7*	*20-120*	0			

ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **34398** Instrument ID **SV-4** Method: **SW8270**

LCSD Sample ID: **SLCSDW1-090210-34398** Units: **µg/L** Analysis Date: **2/11/2009 10:46 AM**

Client ID: Run ID: **SV-4_090211A** SeqNo: **1599358** Prep Date: **2/10/2009** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Diphenylhydrazine	4.163	0.20	5	0	83.3	39-127	3.686	12.1	20	
2,4-Dimethylphenol	3.111	0.20	5	0	62.2	35-120	2.719	13.4	20	
2,4-Dinitrotoluene	4.089	0.20	5	0	81.8	50-122	3.622	12.1	20	
2,6-Dinitrotoluene	4.014	0.20	5	0	80.3	50-120	3.517	13.2	20	
2-Chloronaphthalene	4.689	0.20	5	0	93.8	50-120	4.033	15	20	
2-Methylnaphthalene	3.969	0.20	5	0	79.4	50-120	3.441	14.3	20	
4,6-Dinitro-2-methylphenol	4.363	0.20	5	0	87.3	25-121	3.611	18.8	20	
4-Nitrophenol	4.121	1.0	5	0	82.4	30-130	3.526	15.6	20	
Acenaphthene	3.951	0.20	5	0	79	45-120	3.431	14.1	20	
Acenaphthylene	3.873	0.20	5	0	77.5	47-120	3.449	11.6	20	
Anthracene	3.849	0.20	5	0	77	45-120	3.398	12.5	20	
Benz(a)anthracene	3.897	0.20	5	0	77.9	40-120	3.381	14.2	20	
Benzo(a)pyrene	3.849	0.20	5	0	77	45-120	3.337	14.2	20	
Bis(2-ethylhexyl)phthalate	4.27	0.20	5	0	85.4	40-139	3.861	10	20	
Chrysene	3.833	0.20	5	0	76.7	43-120	3.426	11.2	20	
Di-n-butyl phthalate	3.875	0.20	5	0	77.5	45-123	3.549	8.77	20	
Dibenzofuran	3.861	0.20	5	0	77.2	50-120	3.418	12.2	20	
Fluoranthene	3.824	0.20	5	0	76.5	45-125	3.428	10.9	20	
Fluorene	3.828	0.20	5	0	76.6	49-120	3.406	11.6	20	
N-Nitrosodiphenylamine	4.006	0.20	5	0	80.1	40-125	3.484	13.9	20	
Naphthalene	3.928	0.20	5	0	78.6	45-120	3.426	13.6	20	
Nitrobenzene	4.06	0.20	5	0	81.2	44-120	3.48	15.4	20	
Pentachlorophenol	3.703	0.20	5	0	74.1	19-121	3.292	11.7	20	
Phenanthrene	3.884	0.20	5	0	77.7	45-121	3.421	12.7	20	
Phenol	4.112	0.20	5	0	82.2	20-124	3.442	17.7	20	
Pyrene	3.876	0.20	5	0	77.5	40-130	3.526	9.47	20	
Surr: 2,4,6-Tribromophenol	*3.426*	0.20	*5*	0	*68.5*	*34-129*	3.178	*7.51*	*20*	
Surr: 2-Fluorobiphenyl	*3.64*	0.20	*5*	0	*72.8*	*40-125*	3.385	*7.27*	*20*	
Surr: 2-Fluorophenol	*3.857*	0.20	*5*	0	*77.1*	*20-120*	3.397	*12.7*	*20*	
Surr: 4-Terphenyl-d14	*3.365*	0.20	*5*	0	*67.3*	*40-135*	3.163	*6.2*	*20*	
Surr: Nitrobenzene-d5	*3.755*	0.20	*5*	0	*75.1*	*41-120*	3.372	*10.7*	*20*	
Surr: Phenol-d6	*3.889*	0.20	*5*	0	*77.8*	*20-120*	3.486	*10.9*	*20*	

The following samples were analyzed in this batch: 0902086-07C

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in assoc. Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **R73040** Instrument ID **VOA1** Method: **SW8260**

MBLK Sample ID: **VBLKW-020409-R73040** Units: **µg/L** Analysis Date: **2/4/2009 11:32 AM**
Client ID: Run ID: **VOA1_090204B** SeqNo: **1594876** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5.0								
Ethylbenzene	U	5.0								
Toluene	U	5.0								
Xylenes, Total	U	15								
Surr: 1,2-Dichloroethane-d4	*49.36*	5.0	*50*	0	*98.7*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*51.28*	5.0	*50*	0	*103*	*72-125*	0			
Surr: Dibromofluoromethane	*50.45*	5.0	*50*	0	*101*	*71-125*	0			
Surr: Toluene-d8	*52.12*	5.0	*50*	0	*104*	*75-125*	0			

LCS Sample ID: **VLCSW-020409-R73040** Units: **µg/L** Analysis Date: **2/4/2009 10:42 AM**
Client ID: Run ID: **VOA1_090204B** SeqNo: **1594875** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	44.81	5.0	50	0	89.6	73-121	0			
Ethylbenzene	50.02	5.0	50	0	100	80-120	0			
Toluene	48.06	5.0	50	0	96.1	80-120	0			
Xylenes, Total	138.6	15	150	0	92.4	80-120	0			
Surr: 1,2-Dichloroethane-d4	*52.01*	5.0	*50*	0	*104*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*51.67*	5.0	*50*	0	*103*	*72-125*	0			
Surr: Dibromofluoromethane	*53.17*	5.0	*50*	0	*106*	*71-125*	0			
Surr: Toluene-d8	*53.16*	5.0	*50*	0	*106*	*75-125*	0			

MS Sample ID: **0902038-02AMS** Units: **µg/L** Analysis Date: **2/4/2009 02:02 PM**
Client ID: Run ID: **VOA1_090204B** SeqNo: **1594878** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	48.29	5.0	50	0	96.6	73-121	0			
Ethylbenzene	46.49	5.0	50	0	93	80-120	0			
Toluene	48.55	5.0	50	0	97.1	80-120	0			
Xylenes, Total	136.6	15	150	0	91.1	80-120	0			
Surr: 1,2-Dichloroethane-d4	*53.16*	5.0	*50*	0	*106*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*51.96*	5.0	*50*	0	*104*	*72-125*	0			
Surr: Dibromofluoromethane	*52.17*	5.0	*50*	0	*104*	*71-125*	0			
Surr: Toluene-d8	*50.83*	5.0	*50*	0	*102*	*75-125*	0			

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R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **R73040** Instrument ID **VOA1** Method: **SW8260**

MSD Sample ID: **0902038-02AMSD** Units: **µg/L** Analysis Date: **2/4/2009 02:27 PM**

Client ID: Run ID: **VOA1_090204B** SeqNo: **1594879** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	45.37	5.0	50	0	90.7	73-121	48.29	6.25	20	
Ethylbenzene	46.37	5.0	50	0	92.7	80-120	46.49	0.254	20	
Toluene	48.23	5.0	50	0	96.5	80-120	48.55	0.663	20	
Xylenes, Total	135.9	15	150	0	90.6	80-120	136.6	0.566	20	
Surr: 1,2-Dichloroethane-d4	*51.06*	5.0	*50*	0	*102*	*70-125*	53.16	*4.02*	*20*	
Surr: 4-Bromofluorobenzene	*52.55*	5.0	*50*	0	*105*	*72-125*	51.96	*1.13*	*20*	
Surr: Dibromofluoromethane	*51.32*	5.0	*50*	0	*103*	*71-125*	52.17	*1.64*	*20*	
Surr: Toluene-d8	*56.65*	5.0	*50*	0	*113*	*75-125*	50.83	*10.8*	*20*	

The following samples were analyzed in this batch: 0902086-07A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **R73141** Instrument ID **VOA1** Method: **SW8260**

MBLK Sample ID: **VBLKW-020609-R73141** Units: **µg/L** Analysis Date: **2/6/2009 11:51 AM**
Client ID: Run ID: **VOA1_090206A** SeqNo: **1596765** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5.0								
Ethylbenzene	U	5.0								
Toluene	U	5.0								
Xylenes, Total	U	15								
Surr: 1,2-Dichloroethane-d4	*51.84*	5.0	*50*	0	*104*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*54.42*	5.0	*50*	0	*109*	*72-125*	0			
Surr: Dibromofluoromethane	*51.19*	5.0	*50*	0	*102*	*71-125*	0			
Surr: Toluene-d8	*52.53*	5.0	*50*	0	*105*	*75-125*	0			

LCS Sample ID: **VLCSW-020609-R73141** Units: **µg/L** Analysis Date: **2/6/2009 11:01 AM**
Client ID: Run ID: **VOA1_090206A** SeqNo: **1596764** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	48.93	5.0	50	0	97.9	73-121	0			
Ethylbenzene	46.2	5.0	50	0	92.4	80-120	0			
Toluene	49.12	5.0	50	0	98.2	80-120	0			
Xylenes, Total	142.6	15	150	0	95.1	80-120	0			
Surr: 1,2-Dichloroethane-d4	*52.52*	5.0	*50*	0	*105*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*52.55*	5.0	*50*	0	*105*	*72-125*	0			
Surr: Dibromofluoromethane	*52.4*	5.0	*50*	0	*105*	*71-125*	0			
Surr: Toluene-d8	*52.07*	5.0	*50*	0	*104*	*75-125*	0			

MS Sample ID: **0902099-01AMS** Units: **µg/L** Analysis Date: **2/6/2009 02:21 PM**
Client ID: Run ID: **VOA1_090206A** SeqNo: **1596769** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	47.1	5.0	50	0.697	92.8	73-121	0			
Ethylbenzene	45.18	5.0	50	0	90.4	80-120	0			
Toluene	46.49	5.0	50	0	93	80-120	0			
Xylenes, Total	134	15	150	0	89.3	80-120	0			
Surr: 1,2-Dichloroethane-d4	*52.13*	5.0	*50*	0	*104*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*51.45*	5.0	*50*	0	*103*	*72-125*	0			
Surr: Dibromofluoromethane	*52.24*	5.0	*50*	0	*104*	*71-125*	0			
Surr: Toluene-d8	*51.56*	5.0	*50*	0	*103*	*75-125*	0			

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in assoc. Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **R73141** Instrument ID **VOA1** Method: **SW8260**

MSD Sample ID: **0902099-01AMSD** Units: **µg/L** Analysis Date: **2/6/2009 02:46 PM**

Client ID: Run ID: **VOA1_090206A** SeqNo: **1596770** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	50	5.0	50	0.697	98.6	73-121	47.1	5.98	20	
Ethylbenzene	46.35	5.0	50	0	92.7	80-120	45.18	2.57	20	
Toluene	46.76	5.0	50	0	93.5	80-120	46.49	0.587	20	
Xylenes, Total	133.9	15	150	0	89.3	80-120	134	0.0527	20	
Surr: 1,2-Dichloroethane-d4	*51.78*	5.0	*50*	0	*104*	*70-125*	52.13	*0.681*	*20*	
Surr: 4-Bromofluorobenzene	*51.84*	5.0	*50*	0	*104*	*72-125*	51.45	*0.748*	*20*	
Surr: Dibromofluoromethane	*52.47*	5.0	*50*	0	*105*	*71-125*	52.24	*0.446*	*20*	
Surr: Toluene-d8	*53.47*	5.0	*50*	0	*107*	*75-125*	51.56	*3.64*	*20*	

The following samples were analyzed in this batch: 0902086-08A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **R73179** Instrument ID **VOA3** Method: **SW8260**

MBLK Sample ID: **VBLKS-020908-R73179** Units: **µg/Kg** Analysis Date: **2/9/2009 04:46 PM**
Client ID: Run ID: **VOA3_090209A** SeqNo: **1597623** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5.0								
Ethylbenzene	U	5.0								
Toluene	U	5.0								
Xylenes, Total	U	15								
Surr: 1,2-Dichloroethane-d4	*44.95*	0	*50*	0	*89.9*	*70-128*	0			
Surr: 4-Bromofluorobenzene	*45.49*	0	*50*	0	*91*	*73-126*	0			
Surr: Dibromofluoromethane	*48.95*	0	*50*	0	*97.9*	*71-128*	0			
Surr: Toluene-d8	*49.4*	0	*50*	0	*98.8*	*73-127*	0			

LCS Sample ID: **VLCSS-020908-R73179** Units: **µg/Kg** Analysis Date: **2/9/2009 03:52 PM**
Client ID: Run ID: **VOA3_090209A** SeqNo: **1597621** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	49.33	5.0	50	0	98.7	79-120	0			
Ethylbenzene	49.81	5.0	50	0	99.6	80-122	0			
Toluene	49.46	5.0	50	0	98.9	79-120	0			
Xylenes, Total	150	15	150	0	100	80-120	0			
Surr: 1,2-Dichloroethane-d4	*45.93*	0	*50*	0	*91.9*	*70-128*	0			
Surr: 4-Bromofluorobenzene	*46.07*	0	*50*	0	*92.1*	*73-126*	0			
Surr: Dibromofluoromethane	*52.12*	0	*50*	0	*104*	*71-128*	0			
Surr: Toluene-d8	*46.56*	0	*50*	0	*93.1*	*73-127*	0			

MS Sample ID: **0901591-01AMS** Units: **µg/Kg** Analysis Date: **2/9/2009 06:06 PM**
Client ID: Run ID: **VOA3_090209A** SeqNo: **1597966** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	43.8	5.0	50	0	87.6	79-120	0			
Ethylbenzene	43.13	5.0	50	0	86.3	80-122	0			
Toluene	43.07	5.0	50	0	86.1	79-120	0			
Xylenes, Total	130.5	15	150	0	87	80-120	0			
Surr: 1,2-Dichloroethane-d4	*40.4*	0	*50*	0	*80.8*	*70-128*	0			
Surr: 4-Bromofluorobenzene	*46.08*	0	*50*	0	*92.2*	*73-126*	0			
Surr: Dibromofluoromethane	*44.62*	0	*50*	0	*89.2*	*71-128*	0			
Surr: Toluene-d8	*45.25*	0	*50*	0	*90.5*	*73-127*	0			

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in assoc. Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **R73179** Instrument ID **VOA3** Method: **SW8260**

MSD Sample ID: **0901591-01AMSD** Units: **µg/Kg** Analysis Date: **2/9/2009 07:00 PM**

Client ID: Run ID: **VOA3_090209A** SeqNo: **1597967** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	41.04	5.0	50	0	82.1	79-120	43.8	6.52	30	
Ethylbenzene	39.8	5.0	50	0	79.6	80-122	43.13	8.03	30	S
Toluene	41.31	5.0	50	0	82.6	79-120	43.07	4.17	30	
Xylenes, Total	120.6	15	150	0	80.4	80-120	130.5	7.89	30	
Surr: 1,2-Dichloroethane-d4	*47.87*	0	*50*	0	*95.7*	*70-128*	40.4	*16.9*	*30*	
Surr: 4-Bromofluorobenzene	*46.68*	0	*50*	0	*93.4*	*73-126*	46.08	*1.29*	*30*	
Surr: Dibromofluoromethane	*51.84*	0	*50*	0	*104*	*71-128*	44.62	*15*	*30*	
Surr: Toluene-d8	*46.44*	0	*50*	0	*92.9*	*73-127*	45.25	*2.59*	*30*	

The following samples were analyzed in this batch: 0902086-09A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **R73263** Instrument ID **VOA1** Method: **SW1311/8260**

MBLK Sample ID: **VBLKW-021109-R73263** Units: **µg/L** Analysis Date: **2/11/2009 11:17 AM**

Client ID: Run ID: **VOA1_090211A** SeqNo: **1599334** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	U	5.0								
1,2-Dichloroethane	U	5.0								
1,4-Dichlorobenzene	U	5.0								
2-Butanone	U	10								
Benzene	U	5.0								
Carbon tetrachloride	U	5.0								
Chlorobenzene	U	5.0								
Chloroform	U	5.0								
Tetrachloroethene	U	5.0								
Trichloroethene	U	5.0								
Vinyl chloride	U	5.0								
Surr: 1,2-Dichloroethane-d4	*47.13*	5.0	*50*	0	*94.3*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*54.87*	5.0	*50*	0	*110*	*72.4-125*	0			
Surr: Dibromofluoromethane	*50.56*	5.0	*50*	0	*101*	*71.2-125*	0			
Surr: Toluene-d8	*58.88*	5.0	*50*	0	*118*	*75-125*	0			

LCS Sample ID: **VLCSW-021109-R73263** Units: **µg/L** Analysis Date: **2/11/2009 10:27 AM**

Client ID: Run ID: **VOA1_090211A** SeqNo: **1603806** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	50.92	5.0	50	0	102	73-124	0			
1,2-Dichloroethane	49.6	5.0	50	0	99.2	76-120	0			
1,4-Dichlorobenzene	47.61	5.0	50	0	95.2	70-130	0			
2-Butanone	107.7	10	100	0	108	70-130	0			
Benzene	48.63	5.0	50	0	97.3	70-128	0			
Carbon tetrachloride	49.88	5.0	50	0	99.8	70-130	0			
Chlorobenzene	50.84	5.0	50	0	102	72-127	0			
Chloroform	48.02	5.0	50	0	96	70-130	0			
Tetrachloroethene	51.88	5.0	50	0	104	70-130	0			
Trichloroethene	47.84	5.0	50	0	95.7	72-129	0			
Vinyl chloride	50.7	5.0	50	0	101	70-130	0			
Surr: 1,2-Dichloroethane-d4	*49.78*	5.0	*50*	0	*99.6*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*51.85*	5.0	*50*	0	*104*	*72-125*	0			
Surr: Dibromofluoromethane	*50.85*	5.0	*50*	0	*102*	*71-125*	0			
Surr: Toluene-d8	*55.8*	5.0	*50*	0	*112*	*75-125*	0			

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in assoc. Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **R73263** Instrument ID **VOA1** Method: **SW1311/8260**

MS Sample ID: **0902185-10AMS** Units: **µg/L** Analysis Date: **2/11/2009 12:58 PM**

Client ID: Run ID: **VOA1_090211A** SeqNo: **1599336** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.85	5.0	50	0	104	73-124	0			
1,2-Dichloroethane	51.15	5.0	50	0	102	76-120	0			
1,4-Dichlorobenzene	48.61	5.0	50	0	97.2	70-130	0			
2-Butanone	115.5	10	100	0	116	70-130	0			
Benzene	47.17	5.0	50	0	94.3	70-128	0			
Carbon tetrachloride	49.09	5.0	50	0	98.2	70-130	0			
Chlorobenzene	49.75	5.0	50	0	99.5	72-127	0			
Chloroform	61.01	5.0	50	10.91	100	70-130	0			
Tetrachloroethene	47.64	5.0	50	0	95.3	70-130	0			
Trichloroethene	48.76	5.0	50	0	97.5	72-129	0			
Vinyl chloride	48.56	5.0	50	0	97.1	70-130	0			
Surr: 1,2-Dichloroethane-d4	*50.73*	5.0	*50*	0	*101*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*52.29*	5.0	*50*	0	*105*	*72-125*	0			
Surr: Dibromofluoromethane	*52.66*	5.0	*50*	0	*105*	*71-125*	0			
Surr: Toluene-d8	*53.76*	5.0	*50*	0	*108*	*75-125*	0			

MSD Sample ID: **0902185-10AMSD** Units: **µg/L** Analysis Date: **2/11/2009 01:23 PM**

Client ID: Run ID: **VOA1_090211A** SeqNo: **1599337** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	47.32	5.0	50	0	94.6	73-124	51.85	9.13	20	
1,2-Dichloroethane	49.56	5.0	50	0	99.1	76-120	51.15	3.16	20	
1,4-Dichlorobenzene	47.92	5.0	50	0	95.8	70-130	48.61	1.42	20	
2-Butanone	107.2	10	100	0	107	70-130	115.5	7.42	20	
Benzene	48.68	5.0	50	0	97.4	70-128	47.17	3.14	20	
Carbon tetrachloride	50.66	5.0	50	0	101	70-130	49.09	3.15	20	
Chlorobenzene	49.65	5.0	50	0	99.3	72-127	49.75	0.212	20	
Chloroform	56.7	5.0	50	10.91	91.6	70-130	61.01	7.32	20	
Tetrachloroethene	48.28	5.0	50	0	96.6	70-130	47.64	1.34	20	
Trichloroethene	49.14	5.0	50	0	98.3	72-129	48.76	0.775	20	
Vinyl chloride	46.93	5.0	50	0	93.9	70-130	48.56	3.43	20	
Surr: 1,2-Dichloroethane-d4	*48.74*	5.0	*50*	0	*97.5*	*70-125*	50.73	*4*	*20*	
Surr: 4-Bromofluorobenzene	*54.73*	5.0	*50*	0	*109*	*72-125*	52.29	*4.56*	*20*	
Surr: Dibromofluoromethane	*50.69*	5.0	*50*	0	*101*	*71-125*	52.66	*3.82*	*20*	
Surr: Toluene-d8	*57.33*	5.0	*50*	0	*115*	*75-125*	53.76	*6.43*	*20*	

The following samples were analyzed in this batch: 0902086-09B 0902086-10B

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in assoc. Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
U - Analyzed for but not detected
O - Referenced analyte value is > 4 times amount spiked
P - Dual Column results percent difference > 40%
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **R73357** Instrument ID **VOA1** Method: **SW8260**

MBLK Sample ID: **VBLKW-021209-R73357** Units: **µg/L** Analysis Date: **2/12/2009 11:34 AM**
Client ID: Run ID: **VOA1_090212A** SeqNo: **1601027** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	5.0								
Ethylbenzene	U	5.0								
Toluene	U	5.0								
Xylenes, Total	U	15								
Surr: 1,2-Dichloroethane-d4	*48.62*	5.0	*50*	0	*97.2*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*49.99*	5.0	*50*	0	*100*	*72-125*	0			
Surr: Dibromofluoromethane	*47.4*	5.0	*50*	0	*94.8*	*71-125*	0			
Surr: Toluene-d8	*53.29*	5.0	*50*	0	*107*	*75-125*	0			

LCS Sample ID: **VLCSW-021209-R73357** Units: **µg/L** Analysis Date: **2/12/2009 10:43 AM**
Client ID: Run ID: **VOA1_090212A** SeqNo: **1601024** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	44.38	5.0	50	0	88.8	73-121	0			
Ethylbenzene	51.53	5.0	50	0	103	80-120	0			
Toluene	47.13	5.0	50	0	94.3	80-120	0			
Xylenes, Total	150.6	15	150	0	100	80-120	0			
Surr: 1,2-Dichloroethane-d4	*46.51*	5.0	*50*	0	*93*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*52.25*	5.0	*50*	0	*105*	*72-125*	0			
Surr: Dibromofluoromethane	*49.02*	5.0	*50*	0	*98*	*71-125*	0			
Surr: Toluene-d8	*53.02*	5.0	*50*	0	*106*	*75-125*	0			

MS Sample ID: **0902222-01AMS** Units: **µg/L** Analysis Date: **2/12/2009 02:55 PM**
Client ID: Run ID: **VOA1_090212A** SeqNo: **1601037** Prep Date: DF: **20**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1007	100	1000	0	101	73-121	0			
Ethylbenzene	961.6	100	1000	0	96.2	80-120	0			
Toluene	901.2	100	1000	0	90.1	80-120	0			
Xylenes, Total	2931	300	3000	0	97.7	80-120	0			
Surr: 1,2-Dichloroethane-d4	*1036*	100	*1000*	0	*104*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*1059*	100	*1000*	0	*106*	*72-125*	0			
Surr: Dibromofluoromethane	*1078*	100	*1000*	0	*108*	*71-125*	0			
Surr: Toluene-d8	*1025*	100	*1000*	0	*103*	*75-125*	0			

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **R73357** Instrument ID **VOA1** Method: **SW8260**

MSD Sample ID: **0902222-01AMSD** Units: **µg/L** Analysis Date: **2/12/2009 03:20 PM**

Client ID: Run ID: **VOA1_090212A** SeqNo: **1601040** Prep Date: DF: **20**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	928.5	100	1000	0	92.9	73-121	1007	8.1	20	
Ethylbenzene	1042	100	1000	0	104	80-120	961.6	7.98	20	
Toluene	1014	100	1000	0	101	80-120	901.2	11.8	20	
Xylenes, Total	2979	300	3000	0	99.3	80-120	2931	1.64	20	
Surr: 1,2-Dichloroethane-d4	*981*	100	*1000*	0	*98.1*	*70-125*	1036	*5.43*	*20*	
Surr: 4-Bromofluorobenzene	*1113*	100	*1000*	0	*111*	*72-125*	1059	*4.96*	*20*	
Surr: Dibromofluoromethane	*987.5*	100	*1000*	0	*98.7*	*71-125*	1078	*8.73*	*20*	
Surr: Toluene-d8	*1134*	100	*1000*	0	*113*	*75-125*	1025	*10.1*	*20*	

The following samples were analyzed in this batch: 0902086-11A

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **R73031** Instrument ID **WetChem** Method: **SM4500H+ B**

LCS Sample ID: **WLCSW2409-R73031** Units: **pH units** Analysis Date: **2/4/2009 04:00 PM**
Client ID: Run ID: **WETCHEM_090204C** SeqNo: **1594586** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.01	0.10	6	0	100	90-110	0			

DUP Sample ID: **0902086-07DDUP** Units: **pH units** Analysis Date: **2/4/2009 04:00 PM**
Client ID: **IDWW-1620-V267-20090203** Run ID: **WETCHEM_090204C** SeqNo: **1594589** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.25	0.10	0	0	0	0-0	7.27	0.275	20	H

The following samples were analyzed in this batch: 0902086-07D 0902086-08D

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

Client: Pastor, Behling & Wheeler, LLC
Work Order: 0902086
Project: Houston Wood Preserving Works

QC BATCH REPORT

Batch ID: **R73237** Instrument ID **Balance1** Method: **E160.3**

DUP Sample ID: **0902149-01ADUP** Units: **wt%** Analysis Date: **2/10/2009 02:00 PM**

Client ID: Run ID: **BALANCE1_090210B** SeqNo: **1598945** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	5.684	0.010	0	0	0	0-0	5.03	12.2	20	

The following samples were analyzed in this batch:

0902086-01B	0902086-02B	0902086-03B
0902086-04B	0902086-05B	0902086-06B
0902086-09B	0902086-10B	

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
O - Referenced analyte value is > 4 times amount spiked
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
P - Dual Column results percent difference > 40%
B - Analyte detected in assoc. Method Blank
U - Analyzed for but not detected
E - Value above quantitation range

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Chain of Custody Form

Page 1 of 1

3352 128th Ave.
Holland, MI 49424-9263
Tel: +1 616 399 6070
Fax: +1 616 399 6185

ALS Project Manager:

ALS Work Order #: 902086

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Houston Wood Preserving Works	A	VOC (8260) Select
Work Order		Project Number	1620-04-Rev 1	B	TPH (TX 1005)
Company Name	Pastor, Behling & Wheeler, LLC	Bill To Company	Union Pacific Railroad	C	SVOC (8270) Select
Send Report To	Eric Matzner	Invoice Attn		D	TCLP VOC
Address	2201 Double Creek Drive Suite 4004	Address	1400 Douglas Street Stop 0750	E	TCLP SVOC
				F	TCLP Metals
City/State/Zip	Round Rock, TX 78664	City/State/Zip	Omaha, NE 681790750	G	
Phone	(512) 671-3434	Phone		H	
Fax	(512) 671-3446	Fax		I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SO-1620-SB112(0-0.5)20090203	2-3-09	1120	S	-	2											
2	SO-1620-SB112(0.5-2.0)20090203		1130	S	-	2											
3	SO-1620-SB113(0-0.5)20090203		1050	S	-	2											
4	SO-1620-SB113(0.5-2.0)20090203		1100	S	-	2											
5	SO-1620-SB114(0-0.5)20090203		1025	S	-	2											
6	SO-1620-SB114(0.5-2.0)20090203		1035	S	-	2											
7	IDWW-1620-V267-20090203		1645	W		8											
8	IDWW-1620-V238-20090203		1700	W		8											
9	IDWW-1620-RT581-20090203		1600	W		8											
10	IDWW-1620-RT655-20090203		1615	W		8											

Sampler(s) Please Print & Sign: JOHN BRADY / John Brady

Shipment Method: HAND DELIVERED

Required Turnaround Time: (Check Box) ☐ Other ☑ Std 10 WK Days ☐ 5 WK Days ☐ 2 WK Days ☐ 24 Hour

Results Due Date:

Relinquished by: John Brady Date: 2-4-09 Time: 0824 Received by:

Relinquished by: Date: Time: Received by (Laboratory): 2.4.09 0824

Logged by (Laboratory): Date: Time: Checked by (Laboratory):

Notes: 10 Work Days TAT.

Cooler ID	Cooler Temp

QC Package: (Check One Box Below)
- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other _____
- ☑ TRRP CheckList
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.
2. Unless otherwise agreed in a formal contract, services provided by ALS Laboratory Group are expressly limited to the terms and conditions stated on the reverse.

W.O.# 0902086

Lora Terrill

From: Eric C. Matzner [eric.matzner@pbwllc.com]
Sent: Wednesday, February 04, 2009 9:44 AM
To: Lora Terrill
Cc: Chris Moore; John Brayton
Subject: UPRR HWPW Samples - dropped off this morning
Attachments: Soil samples_IDW list of analytes.xls

Lora,
ALS should have received six soil samples and four waste samples (two soil, two water) for analysis this morning by our technician, John Brayton.

Please find attached the list of constituents to be analyzed for the samples.

We need to make the following corrections to two sample IDs:

IDWW-1620-RT581-20090203 should be **IDWS-1620-RT581-20090203**

IDWW-1620-RT655-20090203 should be **IDWS-1620-RT655-20090203**

Both of these are soil samples for waste characterization.

If you have any questions or comments, please do not hesitate to call me.

Thanks,
Eric C. Matzner, P.G.
Pastor, Behling & Wheeler, LLC
2201 Double Creek Drive, Suite 4004
Round Rock, Texas 78664
512-671-3434 off
512-671-3446 fax

eric.matzner@pbwllc.com
www.pbwllc.com

TestCode						8260_TCL_S	8260_TCL_S	8260_TCL_S	8260_TCL_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S	8270_LOW_S
AType						A	A	A	M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Analyte	pH	TPH 1005	TCLP VOCs	TCLP SVOCs	TCLP Metals	Benzene	Ethylbenzene	Toluene	Xylenes, Total	1,2-Diphenylhydrazine	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Methylnaphthalene	4,6-Dinitro-2-methylphenol	4-Nitrophenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Bis(2-ethylhexyl)phthalate	Chrysene	Di-n-butyl phthalate	Dibenzofuran	Fluoranthene	Fluorene	N-Nitrosodiphenylamine	Naphthalene	Nitrobenzene	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
SO-1620-SB112(0-0.5)-20090203										1					1			1			1	1				1	1			1		1	1		1
SO-1620-SB112(0.5-2.0)-20090203										1					1			1			1	1				1	1			1		1	1		1
SO-1620-SB113(0-0.5)-20090203										1					1			1			1	1				1	1			1		1	1		1
SO-1620-SB113(0.5-2.0)-20090203										1					1			1			1	1				1	1			1		1	1		1
SO-1620-SB114(0-0.5)-20090203										1					1			1			1	1				1	1			1		1	1		1
SO-1620-SB114(0.5-2.0)-20090203										1					1			1			1	1				1	1			1		1	1		1
IDWW-1620-V267-20090203	1	1				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IDWW-1620-V238-20090203	1	1				1	1	1	1																										
IDWS-1620-RT581-20090203		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IDWS-1620-RT655-20090203		1	1	1	1																														

ALS Laboratory Group

Sample Receipt Checklist

Client Name PBW

Date/Time Received: 2/4/2009 07:24

Work Order Number 0902086

Received by RSZ

Checklist completed by Signature 2/4/09 Date

Reviewed by Initials LT 2/4/09 Date

Matrix Soil, Water

Carrier name Client

Shipping container/cooler in good condition?	Yes ✓	No	Not Present	
Custody seals intact on shipping container/cooler?	Yes	No	Not Present	✓
Custody seals intact on sample bottles?	Yes	No	Not Present	✓
Chain of custody present?	Yes ✓	No		
Chain of custody signed when relinquished and received?	Yes ✓	No		
Chain of custody agrees with sample labels?	Yes ✓	No		
Samples in proper container/bottle?	Yes ✓	No		
Sample containers intact?	Yes ✓	No		
Sufficient sample volume for indicated test?	Yes ✓	No		
All samples received within holding time?	Yes ✓	No		
Container/Temp Blank temperature in compliance?	Yes ✓	No		
Temperature(s)/Thermometer(s)	2.6c	002		
Cooler(s)/Kit(s)				
Water - VOA vials have zero headspace?	Yes ✓	No	No VOA vials submitted	
Water - pH acceptable upon receipt?	Yes ✓	No	N/A	

Adjusted? Checked by

Login Notes: Trip Blank not on COC; logged in without analysis.

Client contacted: Date contacted: Person contacted

Contacted by: Regarding:

Comments:

Corrective Action