

LABORATORY DATA CONSULTANTS, INC.

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Anchor QEA, LLC
1423 3rd Avenue, Suite 300
Seattle, WA 98101-2226
ATTN: Ms. Joy Dunay

July 17, 2009

SUBJECT: Bay Wood Products, Data Validation

Dear Ms. Dunay,

Enclosed is the final validation report for the fraction listed below. This SDG was received on June 26, 2009. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 21067:

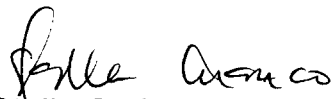
<u>SDG #</u>	<u>Fraction</u>
P1376	Dioxins/Dibenzofurans

The data validation was performed under EPA Level III guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Polychlorinated Dioxins/Dibenzofurans Data Review, September 2005
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; Update IV, February 2007

Please feel free to contact us if you have any questions.

Sincerely,


Stella S. Cuenco

Data Validation Operations Manager/Senior Chemist

**Bay Wood Products
Data Validation Reports
LDC# 21067**

Dioxins/Dibenzofurans

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: June 2, 2009
LDC Report Date: July 7, 2009
Matrix: Sediment
Parameters: Dioxins/Dibenzofurans
Validation Level: EPA Level III
Laboratory: Analytical Perspectives

Sample Delivery Group (SDG): P1376

Sample Identification

BW-01-SS-090602
BW-03-SS-090602
BW-07-SS-090602
BW-09-SS-090602
BW-11-SS-090602
BW-53-SS-090602

Introduction

This data review covers 6 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 1613B for Polychlorinated Dioxins/Dibenzofurans.

This review follows USEPA Contract Laboratory Program National Functional Guidelines for Polychlorinated Dioxins/Dibenzofurans Data Review (September 2005) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. HRGC/HRMS Instrument Performance Check

Instrument performance was checked at the required daily frequency.

Retention time windows were established for all homologues. The chromatographic resolution between 2,3,7,8-TCDD and peaks representing any other unlabeled TCDD isomer was less than or equal to 25% valley.

III. Initial Calibration

A five point initial calibration was performed as required by the method.

Percent relative standard deviations (%RSD) were less than or equal to 20.0% for unlabeled compounds and less than or equal to 35.0% for labeled compounds.

The ion abundance ratios for all PCDDs and PCDFs were within validation criteria.

IV. Routine Calibration (Continuing)

Routine calibration was performed at the required frequencies.

All of the routine calibration percent differences (%D) between the initial calibration RRF and the routine calibration RRF were within the QC limits.

The ion abundance ratios for all PCDDs and PCDFs were within validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polychlorinated dioxin/dibenzofuran contaminants were found in the method blanks.

VI. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VII. Laboratory Control Samples (LCS)

Ongoing precision and recovery (OPR) analyses were reviewed for each matrix as applicable. The percent recoveries (%R) were within the QC limits.

VIII. Regional Quality Assurance and Quality Control

Not applicable.

IX. Internal Standards

All internal standard recoveries were within QC limits.

X. Target Compound Identifications

Raw data were not reviewed for this SDG.

XI. Compound Quantitation and CRQLs

The 2,3,7,8-TCDF confirmation was performed with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
All samples in SDG P1376	2,3,7,8-TCDF	2nd column confirmation was not performed for this compound.	2,3,7,8-TCDF must be confirmed on the 2nd column per the method.	None	P

Raw data were not reviewed for this SDG.

XII. System Performance

Raw data were not reviewed for this SDG.

XIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method with the exception noted in Section XI. No data were qualified due to this laboratory oversight.

No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the Level III data validation all results are considered valid and usable for all purposes.

XIV. Field Duplicates

Samples BW-03-SS-090602 and BW-53-SS-090602 were identified as field duplicates. No polychlorinated dioxins/dibenzofurans were detected in any of the samples with the following exceptions:

Compound	Concentration (pg/g)		RPD
	BW-03-SS-090602	BW-53-SS-090602	
2,3,7,8-TCDD	0.312	0.183	52
1,2,3,7,8-PeCDD	1.07	0.684	44
1,2,3,4,7,8-HxCDD	1.49	1.56	5
1,2,3,6,7,8-HxCDD	8.2	6.76	19
1,2,3,7,8,9-HxCDD	3.78	2.86	28
1,2,3,4,6,7,8-HpCDD	130	93.5	33
OCDD	1160	734	45
2,3,7,8-TCDF	1.22	1.03	17
1,2,3,7,8-PeCDF	0.474	0.408	15
2,3,4,7,8-PeCDF	1.05	0.824	24
1,2,3,4,7,8-HxCDF	1.26	0.86	38
1,2,3,6,7,8-HxCDF	1.09	0.778	33
2,3,4,6,7,8-HxCDF	1.76	1.31	29
1,2,3,7,8,9-HxCDF	0.336	0.357	6
1,2,3,4,6,7,8-HpCDF	27.9	17.3	47
1,2,3,4,7,8,9-HpCDF	1.43	0.952	40
OCDF	64.8	35.6	58
Total TCDD	11.7	10.6	10
Total PeCDD	12.6	9.52	28
Total HxCDD	66.8	53.5	22
Total HpCDD	300	218	32
Total TCDF	13.3	8.97	39

Compound	Concentration (pg/g)		RPD
	BW-03-SS-090602	BW-53-SS-090602	
Total PeCDF	13.6	5.97	78
Total HxCDF	36.2	25.7	34
Total HpCDF	89.6	51.6	54

XV. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Dioxins/Dibenzofurans - Data Qualification Summary - SDG P1376**

SDG	Sample	Compound	Flag	A or P	Reason
P1376	BW-01-SS-090602 BW-03-SS-090602 BW-07-SS-090602 BW-09-SS-090602 BW-11-SS-090602 BW-53-SS-090602	2,3,7,8-TCDF	None	P	Compound quantitation and CRQLs

**Bay Wood Products
Dioxins/Dibenzofurans - Laboratory Blank Data Qualification Summary - SDG P1376**

No Sample Data Qualified in this SDG

LDC #: 21067A21

VALIDATION COMPLETENESS WORKSHEET

Date: 7/1/09

SDG #: P1376

Level III

Page: 1 of 1

Laboratory: Analytical Perspectives

1613B

Reviewer: [Signature]
2nd Reviewer: [Signature]

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA SW 846 Method-8290)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 6/2/09
II.	HRGC/HRMS Instrument performance check	SW A	
III.	Initial calibration	A	20/35
IV.	Routine calibration/ICV	A	QC limits
V.	Blanks	A	
VI.	Matrix spike/Matrix spike duplicates	N	
VII.	Laboratory control samples	A	OPR
VIII.	Regional quality assurance and quality control	N	
IX.	Internal standards	A	
X.	Target compound identifications	N	
XI.	Compound quantitation and CRQLs	SW	H not confirmed none/P (SW)
XII.	System performance	N	
XIII.	Overall assessment of data	A	
XIV.	Field duplicates	SW	b = 2 + 6
XV.	Field blanks	N	

Note: A = Acceptable ND = No compounds detected D = Duplicate
 N = Not provided/applicable R = Rinsate TB = Trip blank
 SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples: sd

1	BW-01-SS-090602	11	MB001	21		31	
2	BW-03-SS-090602	12		22		32	
3	BW-07-SS-090602	13		23		33	
4	BW-09-SS-090602	14		24		34	
5	BW-11-SS-090602	15		25		35	
6	BW-53-SS-090602	16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

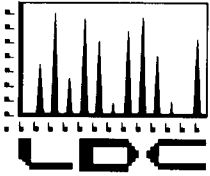
Notes: _____

VALIDATION FINDINGS WORKSHEET

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA SW 846 Method 8290)

A. 2,3,7,8-TCDD	F. 1,2,3,4,6,7,8-HpCDD	K. 1,2,3,4,7,8-HxCDF	P. 1,2,3,4,7,8,9-HpCDF	U. Total HpCDD
B. 1,2,3,7,8-PeCDD	G. OCDD	L. 1,2,3,6,7,8-HxCDF	Q. OCDF	V. Total TCDF
C. 1,2,3,4,7,8-HxCDD	H. 2,3,7,8-TCDF	M. 2,3,4,6,7,8-HxCDF	R. Total TCDD	W. Total PeCDF
D. 1,2,3,6,7,8-HxCDD	I. 1,2,3,7,8-PeCDF	N. 1,2,3,7,8,9-HxCDF	S. Total PeCDD	X. Total HxCDF
E. 1,2,3,7,8,9-HxCDD	J. 2,3,4,7,8-PeCDF	O. 1,2,3,4,6,7,8-HpCDF	T. Total HxCDD	Y. Total HpCDF

Notes:



LABORATORY DATA CONSULTANTS, INC.

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Anchor QEA, LLC
1423 3rd Avenue, Suite 300
Seattle, WA 98101-2226
ATTN: Ms. Joy Dunay

July 22, 2009

SUBJECT: Bay Wood Products, Data Validation

Dear Ms. Dunay,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on June 30, 2009. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 21091:

SDG # Fraction

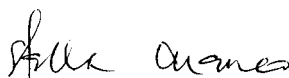
PB06 Semivolatiles, Chlorinated Pesticides, Polychlorinated Biphenyls,
Metals, Wet Chemistry, TPH as Extractables

The data validation was performed under EPA Level III guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008
- USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, October 2004
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; Update IV, February 2007

Please feel free to contact us if you have any questions.

Sincerely,


Stella S. Cuenco

Data Validation Operations Manager/Senior Chemist

**Bay Wood Products
Data Validation Reports
LDC# 21091**

Semivolatiles

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: June 2, 2009
LDC Report Date: July 17, 2009
Matrix: Sediment
Parameters: Semivolatiles
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.
Sample Delivery Group (SDG): PB06

Sample Identification

BW-01-SS-090602
BW-03-SS-090602
BW-07-SS-090602
BW-09-SS-090602
BW-11-SS-090602
BW-53-SS-090602
BW-01-SS-090602DL
BW-03-SS-090602DL
BW-11-SS-090602DL
BW-07-SS-090602MS
BW-07-SS-090602MSD

Introduction

This data review covers 11 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8270D for Semivolatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. Cooler temperatures for samples in this SDG were reported at 9.2°C to 12.4°C upon receipt by the laboratory. Samples received the same day that they were collected, time did not allow for sufficient cooling of the samples, therefore no data were qualified.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all semivolatile target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

The percent difference (%D) of the second source calibration standard were less than or equal to 25.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
6/11/09	N-Nitrosodiphenylamine	28.7	All samples in SDG PB06	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No semivolatile contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
BW-07-SS-090602MS/MSD (BW-07-SS-090602)	Pyrene	44.7 (50-140)	-	-	J (all detects) UJ (all non-detects)	A
	Chrysene	47.9 (50-140)	-	-		
	Indeno(1,2,3-cd)pyrene	47.9 (50-140)	45.5 (50-140)	-		
	Benzo(g,h,i)perylene	38.1 (50-140)	36.0 (50-140)	-		

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P
LCS-060809	Benzo(g,h,i)perylene	45.4 (50-140)	All samples in SDG PB06	J (all detects) UJ (all non-detects)	P

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
BW-07-SS-090602	Chrysene-d12	505717 (122134-488534)	Pyrene Butylbenzylphthalate Benzo(a)anthracene Chrysene	J (all detects) J (all detects) J (all detects) J (all detects)	A
BW-11-SS-090602	Chrysene-d12	522008 (122134-488534)	Pyrene Butylbenzylphthalate Benzo(a)anthracene Chrysene	J (all detects) J (all detects) J (all detects) J (all detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Flag	A or P
BW-01-SS-090602 BW-03-SS-090602 BW-07-SS-090602 BW-09-SS-090602 BW-11-SS-090602 BW-53-SS-090602	Benzo(b)fluoranthene Benzo(k)fluoranthene	Due to lack of resolution between these compounds in the samples, the laboratory performed the quantitation using the total peak area.	J (all detects) J (all detects)	A

The reported results for the compounds listed above are biased high. The actual values of these compounds are lower than the values reported by the laboratory.

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The analysis was conducted within all specifications of the method.

Due to calibration %D, MS/MSD and LCS %R, internal standard area and compound quantitation problems, data were qualified as estimated in six samples.

In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
BW-01-SS-090602DL BW-03-SS-090602DL BW-11-SS-090602DL	All TCL compounds	R	A

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be rejected (R) are unusable for all purposes. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Level III data validation all other results are considered valid and usable for all purposes.

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

Samples BW-03-SS-090602 and BW-53-SS-090602 and samples BW-03-SS-090602DL and BW-53-SS-090602 were identified as field duplicates. No semivolatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	BW-03-SS-090602	BW-53-SS-090602	
Phenanthrene	20	15	29
Anthracene	12	11	9
Fluoranthene	88	66	29
Pyrene	48	36	29
Benzo(a)anthracene	26	24	8
Bis(2-ethylhexyl)phthalate	32	22	37
Chrysene	56	58	4

Compound	Concentration (ug/Kg)		RPD
	BW-03-SS-090602	BW-53-SS-090602	
Benzo(b)fluoranthene	32	27	17
Benzo(k)fluoranthene	32	27	17
Benzo(a)pyrene	23	18	24

Compound	Concentration (ug/Kg)		RPD
	BW-03-SS-090602DL	BW-53-SS-090602	
Fluoranthene	78	66	17
Pyrene	50	36	33
Chrysene	57	58	2

XVII. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Semivolatiles - Data Qualification Summary - SDG PB06**

SDG	Sample	Compound	Flag	A or P	Reason
PB06	BW-01-SS-090602 BW-03-SS-090602 BW-07-SS-090602 BW-09-SS-090602 BW-11-SS-090602 BW-53-SS-090602 BW-01-SS-090602DL BW-03-SS-090602DL BW-11-SS-090602DL	N-Nitrosodiphenylamine	J (all detects) UJ (all non-detects)	A	Continuing calibration (ICV %D)
PB06	BW-07-SS-090602	Pyrene Chrysene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
PB06	BW-01-SS-090602 BW-03-SS-090602 BW-07-SS-090602 BW-09-SS-090602 BW-11-SS-090602 BW-53-SS-090602 BW-01-SS-090602DL BW-03-SS-090602DL BW-11-SS-090602DL	Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
PB06	BW-07-SS-090602 BW-11-SS-090602	Pyrene Butylbenzylphthalate Benzo(a)anthracene Chrysene	J (all detects) J (all detects) J (all detects) J (all detects)	A	Internal standards (area)
PB06	BW-01-SS-090602 BW-03-SS-090602 BW-07-SS-090602 BW-09-SS-090602 BW-11-SS-090602 BW-53-SS-090602	Benzo(b)fluoranthene Benzo(k)fluoranthene	J (all detects) J (all detects)	A	Compound quantitation and CRQLs
PB06	BW-01-SS-090602DL BW-03-SS-090602DL BW-11-SS-090602DL	All TCL compounds	R	A	Overall assessment of data

**Bay Wood Products
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG PB06**

No Sample Data Qualified in this SDG

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	SW	Sampling dates: 6/2/09 cooler temp 9.2-12.4°C
II.	GC/MS Instrument performance check	A	not enough time to cool down
III.	Initial calibration	A	(text)
IV.	Continuing calibration/ICV	SW	50%
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	SW	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	SW	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	SW	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	SW	
XVI.	Field duplicates	SW	D = 2 + 6, 8 + 6
XVII.	Field blanks	N	

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet
 ND = No compounds detected
 R = Rinsate
 FB = Field blank
 D = Duplicate
 TB = Trip blank
 EB = Equipment blank

Validated Samples: *sediment*

1	BW-01-SS-090602	11	BW-07-SS-090602MSD	21	MB-060809	31
2	BW-03-SS-090602	12		22		32
3	BW-07-SS-090602	13		23		33
4	BW-09-SS-090602	14		24		34
5	BW-11-SS-090602	15		25		35
6	BW-53-SS-090602	16		26		36
7	BW-01-SS-090602DL	17		27		37
8	BW-03-SS-090602DL	18		28		38
9	BW-11-SS-090602DL	19		29		39
10	BW-07-SS-090602MS	20		30		40

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

A. Phenol**	P. Bis(2-chloroethoxy)methane	EE. 2,6-Dinitrotoluene	TT. Pentachlorophenol**	III. Benzo(a)pyrene**
B. Bis (2-chloroethyl) ether	Q. 2,4-Dichlorophenol**	FF. 3-Nitroaniline	UU. Phenanthrene	JJJ. Indeno(1,2,3-cd)pyrene
C. 2-Chlorophenol	R. 1,2,4-Trichlorobenzene	GG. Acenaphthene**	VV. Anthracene	KKK. Dibenz(a,h)anthracene
D. 1,3-Dichlorobenzene	S. Naphthalene	HH. 2,4-Dinitrophenol*	WW. Carbazole	LLL. Benzo(g,h,i)perylene
E. 1,4-Dichlorobenzene**	T. 4-Chloroaniline	II. 4-Nitrophenol*	XX. Di-n-butylphthalate	MMM. Bis(2-Chloroisopropyl)ether
F. 1,2-Dichlorobenzene	U. Hexachlorobutadiene**	JJ. Dibenzofuran	YY. Fluoranthene**	NNN. Aniline
G. 2-Methylphenol	V. 4-Chloro-3-methylphenol**	KK. 2,4-Dinitrotoluene	ZZ. Pyrene	OOO. N-Nitrosodimethylamine
H. 2,2'-Oxybis(1-chloropropane)	W. 2-Methylnaphthalene	LL. Diethylphthalate	AAA. Butylbenzylphthalate	PPP. Benzoic Acid
I. 4-Methylphenol	X. Hexachlorocyclopentadiene*	MM. 4-Chlorophenyl-phenyl ether	BBB. 3,3'-Dichlorobenzidine	QQQ. Benzyl alcohol
J. N-Nitroso-di-n-propylamine*	Y. 2,4,6-Trichlorophenol**	NN. Fluorene	CCC. Benzo(a)anthracene	RRR. Pyridine
K. Hexachloroethane	Z. 2,4,5-Trichlorophenol	OO. 4-Nitroaniline	DDD. Chrysene	SSS. Benzidine
L. Nitrobenzene	AA. 2-Chloronaphthalene	PP. 4,6-Dinitro-2-methylphenol	EEE. Bis(2-ethylhexyl)phthalate	TTT.
M. Isophorone	BB. 2-Nitroaniline	QQ. N-Nitrosodiphenylamine (1)**	FFF. Di-n-octylphthalate**	UUU.
N. 2-Nitrophenol**	CC. Dimethylphthalate	RR. 4-Bromophenyl-phenylether	GGG. Benzo(b)fluoranthene	VVV.
O. 2,4-Dimethylphenol	DD. Acenaphthylene	SS. Hexachlorobenzene	HHH. Benzo(k)fluoranthene	WWW.

LDC#: 21091A2a
 SDG#: see cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
 Reviewer: FT
 2nd Reviewer: [Signature]

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N NA Were field duplicate pairs identified in this SDG?
Y N NA Were target analytes detected in the field duplicate pairs?

Compound	Concentration (ug/Kg)		RPD	
	2	6		
UU	20	15	29	
VV	12	11	9	
YY	88	66	29	
ZZ	48	36	29	
CCC	26	24	8	
EEE	32	22	37	
DDD	56	58	4	
GGG	32	27	17	
HHH	32	27	17	
III	23	18	24	

Compound	Concentration (ug/Kg)		RPD	
	50	6		
YY	78	66	17	
ZZ	50	36	33	
DDD	57	58	2	

V:\FIELD DUPLICATES\21091A2a.wpd

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: June 2, 2009
LDC Report Date: July 17, 2009
Matrix: Sediment
Parameters: Semivolatiles
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.
Sample Delivery Group (SDG): PB06

Sample Identification

BW-01-SS-090602
BW-03-SS-090602
BW-07-SS-090602
BW-09-SS-090602
BW-11-SS-090602
BW-53-SS-090602
BW-07-SS-090602MS
BW-07-SS-090602MSD

Introduction

This data review covers 8 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270D using Selected Ion Monitoring (SIM) for Semivolatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. Cooler temperatures for samples in this SDG were reported at 9.2°C to 12.4°C upon receipt by the laboratory. Samples received the same day that they were collected, time did not allow for sufficient cooling of the samples, therefore no data were qualified.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all compounds.

Average relative response factors (RRF) for all target compounds and system monitoring compounds were within validation criteria.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
5/11/09	Benzyl alcohol Dibenz(a,h)anthracene	40.4 26.9	All samples in SDG PB06	J (all detects) UJ (all non-detects)	A

The percent difference (%D) of the second source calibration standard were less than or equal to 25.0% for all compounds.

All of the continuing calibration RRF values were within validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No semivolatile contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P
LCS-060809	2,4-Dimethylphenol	24.9 (50-140)	All samples in SDG PB06	J (all detects) UJ (all non-detects)	P

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
BW-11-SS-090602	Perylene-d12	116355 (116714-466858)	Dibenz(a,h)anthracene	J (all detects) UJ (all non-detects)	P

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to calibration %D, LCS %R and internal standard area problems, data were qualified as estimated in six samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Level III data validation all other results are considered valid and usable for all purposes.

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

Samples BW-03-SS-090602 and BW-53-SS-090602 were identified as field duplicates. No semivolatiles were detected in any of the samples.

XVII. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Semivolatiles - Data Qualification Summary - SDG PB06**

SDG	Sample	Compound	Flag	A or P	Reason
PB06	BW-01-SS-090602 BW-03-SS-090602 BW-07-SS-090602 BW-09-SS-090602 BW-11-SS-090602 BW-53-SS-090602	Benzyl alcohol Dibenz(a,h)anthracene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
PB06	BW-01-SS-090602 BW-03-SS-090602 BW-07-SS-090602 BW-09-SS-090602 BW-11-SS-090602 BW-53-SS-090602	2,4-Dimethylphenol	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
PB06	BW-11-SS-090602	Dibenz(a,h)anthracene	J (all detects) UJ (all non-detects)	P	Internal standards (area)

**Bay Wood Products
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG PB06**

No Sample Data Qualified in this SDG

METHOD: GC/MS ^{Semi-volatiles} Polynuclear Aromatic Hydrocarbons (EPA SW 846 Method 8270D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	SW	Sampling dates: 6/2/09 cooler temp 9.2-12.4°C
II.	GC/MS Instrument performance check	A	not enough time
III.	Initial calibration	A	
IV.	Continuing calibration/ICV	SW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	SW	LOS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	SW	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	ND	D = 2 + 6
XVII.	Field blanks	N	

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet
 ND = No compounds detected
 R = Rinsate
 FB = Field blank
 D = Duplicate
 TB = Trip blank
 EB = Equipment blank

Validated Samples: *sediment*

1	BW-01-SS-090602	11	NB-060809	21		31	
2	BW-03-SS-090602	12		22		32	
3	BW-07-SS-090602	13		23		33	
4	BW-09-SS-090602	14		24		34	
5	BW-11-SS-090602	15		25		35	
6	BW-53-SS-090602	16		26		36	
7	BW-07-SS-090602MS	17		27		37	
8	BW-07-SS-090602MSD	18		28		38	
9		19		29		39	
10		20		30		40	

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

A. Phenol**	P. Bis(2-chloroethoxy)methane	EE. 2,6-Dinitrotoluene	TT. Pentachlorophenol**	III. Benzo(a)pyrene**
B. Bis (2-chloroethyl) ether	Q. 2,4-Dichlorophenol**	FF. 3-Nitroaniline	UU. Phenanthrene	JJJ. Indeno(1,2,3-cd)pyrene
C. 2-Chlorophenol	R. 1,2,4-Trichlorobenzene	GG. Acenaphthene**	VV. Anthracene	KKK. Dibenz(a,h)anthracene
D. 1,3-Dichlorobenzene	S. Naphthalene	HH. 2,4-Dinitrophenol*	WW. Carbazole	LLL. Benzo(g,h,i)perylene
E. 1,4-Dichlorobenzene**	T. 4-Chloroaniline	II. 4-Nitrophenol*	XX. Di-n-butylphthalate	MMM. Bis(2-Chloroisopropyl)ether
F. 1,2-Dichlorobenzene	U. Hexachlorobutadiene**	JJ. Dibenzofuran	YY. Fluoranthene**	NNN. Aniline
G. 2-Methylphenol	V. 4-Chloro-3-methylphenol**	KK. 2,4-Dinitrotoluene	ZZ. Pyrene	OOO. N-Nitrosodimethylamine
H. 2,2'-Oxybis(1-chloropropane)	W. 2-Methylnaphthalene	LL. Diethylphthalate	AAA. Butylbenzylphthalate	PPP. Benzoic Acid
I. 4-Methylphenol	X. Hexachlorocyclopentadiene*	MM. 4-Chlorophenyl-phenyl ether	BBB. 3,3'-Dichlorobenzidine	QQQ. Benzyl alcohol
J. N-Nitroso-di-n-propylamine*	Y. 2,4,6-Trichlorophenol**	NN. Fluorene	CCC. Benzo(a)anthracene	RRR. Pyridine
K. Hexachloroethane	Z. 2,4,5-Trichlorophenol	OO. 4-Nitroaniline	DDD. Chrysene	SSS. Benzidine
L. Nitrobenzene	AA. 2-Chloronaphthalene	PP. 4,6-Dinitro-2-methylphenol	EEE. Bis(2-ethylhexyl)phthalate	TTT.
M. Isophorone	BB. 2-Nitroaniline	QQ. N-Nitrosodiphenylamine (1)**	FFF. Di-n-octylphthalate**	UUU.
N. 2-Nitrophenol**	CC. Dimethylphthalate	RR. 4-Bromophenyl-phenylether	GGG. Benzo(b)fluoranthene	VVV.
O. 2,4-Dimethylphenol	DD. Acenaphthylene	SS. Hexachlorobenzene	HHH. Benzo(k)fluoranthene	WWW.

**Bay Wood Products
Data Validation Reports
LDC# 21091**

Chlorinated Pesticides

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: June 2, 2009
LDC Report Date: July 17, 2009
Matrix: Sediment
Parameters: Hexachlorobenzene & Hexachlorobutadiene
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.
Sample Delivery Group (SDG): PB06

Sample Identification

BW-01-SS-090602
BW-03-SS-090602
BW-07-SS-090602
BW-09-SS-090602
BW-11-SS-090602
BW-53-SS-090602
BW-07-SS-090602MS
BW-07-SS-090602MSD

Introduction

This data review covers 8 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8081A for Hexachlorobenzene and Hexachlorobutadiene.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. Cooler temperatures for samples in this SDG were reported at 9.2°C to 12.4°C upon receipt by the laboratory. Samples received the same day that they were collected, time did not allow for sufficient cooling of the samples, therefore no data were qualified.

II. GC/ECD Instrument Performance Check

Instrument performance was acceptable unless noted otherwise under initial calibration and continuing calibration sections.

III. Initial Calibration

Initial calibration of single and multicomponent compounds was performed for the primary (quantitation) column and confirmation column as required by this method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) of calibration factors in continuing standard mixtures were within the 20.0% QC limits.

The percent differences (%D) of the second source calibration standard were less than or equal to 20.0% for all compounds.

The individual 4,4'-DDT and Endrin breakdowns (%BD) were less than or equal to 15.0%.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No hexachlorobenzene or hexachlorobutadiene was found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Pesticide Cleanup Checks

a. Florisil Cartridge Check

Florisil cleanup was not required and therefore not performed in this SDG.

b. GPC Calibration

GPC cleanup was not required and therefore not performed in this SDG.

XI. Target Compound Identification

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and Reported CRQLs

Raw data were not reviewed for this SDG.

XIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the Level III data validation all results are considered valid and usable for all purposes.

XIV. Field Duplicates

Samples BW-03-SS-090602 and BW-53-SS-090602 were identified as field duplicates. No hexachlorobenzene or hexachlorobutadiene was detected in any of the samples.

XV. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Hexachlorobenzene & Hexachlorobutadiene - Data Qualification Summary - SDG
PB06**

No Sample Data Qualified in this SDG

**Bay Wood Products
Hexachlorobenzene & Hexachlorobutadiene - Laboratory Blank Data Qualification
Summary - SDG PB06**

No Sample Data Qualified in this SDG

LDC #: 21091A3a

VALIDATION COMPLETENESS WORKSHEET

Date: 7/16/09

SDG #: PB06

Level III

Page: 1 of 1

Laboratory: Analytical Resources, Inc.

Reviewer: R2nd Reviewer: WMETHOD: GC ~~Chlorinated Pesticides~~ ^{Hexachlorobenzene & Hexachlorocyclopentadiene} (EPA SW 846 Method 8081A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	SW	Sampling dates: 6/2/09 cooler temp 9.2-12.4°C
II.	GC/ECD Instrument Performance Check	A	not enough time
III.	Initial calibration	A	
IV.	Continuing calibration/ICV	A	20%
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS
IX.	Regional quality assurance and quality control	N	
Xa.	Florisil cartridge check	N	
Xb.	GPC Calibration	N	
XI.	Target compound identification	N	
XII.	Compound quantitation and reported CRQLs	N	
XIII.	Overall assessment of data	A	
XIV.	Field duplicates	ND	D = 2 + 6
XV.	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: sediment

1	BW-01-SS-090602	11	NB-060809	21	31
2	BW-03-SS-090602	12		22	32
3	BW-07-SS-090602	13		23	33
4	BW-09-SS-090602	14		24	34
5	BW-11-SS-090602	15		25	35
6	BW-53-SS-090602	16		26	36
7	BW-07-SS-090602MS	17		27	37
8	BW-07-SS-090602MSD	18		28	38
9		19		29	39
10		20		30	40

**Bay Wood Products
Data Validation Reports
LDC# 21091**

Polychlorinated Biphenyls

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: June 2, 2009
LDC Report Date: July 17, 2009
Matrix: Sediment
Parameters: Polychlorinated Biphenyls
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.
Sample Delivery Group (SDG): PB06

Sample Identification

BW-01-SS-090602
BW-03-SS-090602
BW-07-SS-090602
BW-09-SS-090602
BW-11-SS-090602
BW-53-SS-090602
BW-07-SS-090602MS
BW-07-SS-090602MSD

Introduction

This data review covers 8 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8082 for Polychlorinated Biphenyls.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. Cooler temperatures for samples in this SDG were reported at 9.2°C to 12.4°C upon receipt by the laboratory. Samples received the same day that they were collected, time did not allow for sufficient cooling of the samples, therefore no data were qualified.

II. GC/ECD Instrument Performance Check

Instrument performance was acceptable unless noted otherwise under initial calibration and continuing calibration sections.

III. Initial Calibration

Initial calibration of multicomponent compounds was performed for the primary (quantitation) column as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) of calibration factors in continuing standard mixtures were within the 20.0% QC limits.

The percent differences (%D) of the second source calibration standard were less than or equal to 20.0% for all compounds.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polychlorinated biphenyl contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Pesticide Cleanup Checks

a. Florisil Cartridge Check

Florisil cleanup was not required and therefore not performed in this SDG.

b. GPC Calibration

GPC cleanup was not required and therefore not performed in this SDG.

XI. Target Compound Identification

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and Reported CRQLs

Raw data were not reviewed for this SDG.

XIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the Level III data validation all results are considered valid and usable for all purposes.

XIV. Field Duplicates

Samples BW-03-SS-090602 and BW-53-SS-090602 were identified as field duplicates. No polychlorinated biphenyls were detected in any of the samples.

XV. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Polychlorinated Biphenyls - Data Qualification Summary - SDG PB06**

No Sample Data Qualified in this SDG

**Bay Wood Products
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDG
PB06**

No Sample Data Qualified in this SDG

METHOD: GC Polychlorinated Biphenyls (EPA SW 846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	SW	Sampling dates: <u>6/2/09</u> water temp <u>9.2-12.4°C</u>
II.	GC/ECD Instrument Performance Check	N	<u>not enough time</u>
III.	Initial calibration	Δ	<u>%RSD ±</u>
IV.	Continuing calibration/ICV	A	<u>20%</u>
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	<u>LCS</u>
IX.	Regional quality assurance and quality control	N	
Xa.	Florisil cartridge check	N	
Xb.	GPC Calibration	N	
XI.	Target compound identification	N	
XII.	Compound quantitation and reported CRQLs	N	
XIII.	Overall assessment of data	A	
XIV.	Field duplicates	ND	<u>D = 2 + L</u>
XV.	Field blanks	N	

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet
 ND = No compounds detected
 R = Rinsate
 FB = Field blank
 D = Duplicate
 TB = Trip blank
 EB = Equipment blank

Validated Samples: sediment

1	BW-01-SS-090602	11	<u>MB-060809</u>	21		31	
2	BW-03-SS-090602	12		22		32	
3	BW-07-SS-090602	13		23		33	
4	BW-09-SS-090602	14		24		34	
5	BW-11-SS-090602	15		25		35	
6	BW-53-SS-090602	16		26		36	
7	BW-07-SS-090602MS	17		27		37	
8	BW-07-SS-090602MSD	18		28		38	
9		19		29		39	
10		20		30		40	

**Bay Wood Products
Data Validation Reports
LDC# 21091**

Metals

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: June 2, 2009
LDC Report Date: July 15, 2009
Matrix: Sediment
Parameters: Metals
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.
Sample Delivery Group (SDG): PB06

Sample Identification

BW-01-SS-090602
BW-03-SS-090602
BW-07-SS-090602
BW-09-SS-090602
BW-11-SS-090602
BW-53-SS-090602
BW-07-SS-090602MS
BW-07-SS-090602DUP

Introduction

This data review covers 8 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Methods 6010 and 7000 for Metals. The metals analyzed were Antimony, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Silver, and Zinc.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blanks are summarized in Section IV.

Field duplicates are summarized in Section XIV.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. ICPMS Tune

ICP-MS was not utilized in this SDG.

III. Calibration

An initial calibration was performed.

The frequency and analysis criteria of the initial calibration verification (ICV) and continuing calibration verification (CCV) were met.

IV. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the initial, continuing and preparation blanks.

V. ICP Interference Check Sample (ICS) Analysis

The frequency of analysis was met.

The criteria for analysis were met.

VI. Matrix Spike Analysis

Matrix spike (MS) analyses were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	%R (Limits)	Flag	A or P
BW-07-SS-090602MS (All samples in SDG PB06)	Antimony	22.2 (65-135)	J (all detects) UJ (all non-detects)	A

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits with the following exceptions:

DUP ID (Associated Samples)	Analyte	RPD (Limits)	Difference (Limits)	Flag	A or P
BW-07-SS-090602DUP (All samples in SDG PB06)	Zinc	51.9 (≤ 30)	-	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Internal Standards (ICP-MS)

ICP-MS was not utilized in this SDG.

X. Furnace Atomic Absorption QC

Graphite furnace atomic absorption was not utilized in this SDG.

XI. ICP Serial Dilution

ICP serial dilution was not performed for this SDG.

XII. Sample Result Verification

Raw data were not reviewed for this SDG.

XIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to MS %R and DUP RPD problems, data were qualified as estimated in six samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Level III data validation all other results are considered valid and usable for all purposes.

Data flags are summarized at the end of this report if data has been qualified.

XIV. Field Duplicates

Samples BW-03-SS-090602 and BW-53-SS-090602 were identified as field duplicates. No metals were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/Kg)		RPD
	BW-03-SS-090602	BW-53-SS-090602	
Arsenic	20	20	0
Chromium	63	69	9
Copper	67.9	72.6	7
Lead	12	13	8
Mercury	0.10	0.10	0
Nickel	51	56	9
Zinc	94	104	10

XV. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Metals - Data Qualification Summary - SDG PB06**

SDG	Sample	Analyte	Flag	A or P	Reason
PB06	BW-01-SS-090602 BW-03-SS-090602 BW-07-SS-090602 BW-09-SS-090602 BW-11-SS-090602 BW-53-SS-090602	Antimony	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
PB06	BW-01-SS-090602 BW-03-SS-090602 BW-07-SS-090602 BW-09-SS-090602 BW-11-SS-090602 BW-53-SS-090602	Zinc	J (all detects) UJ (all non-detects)	A	Duplicate analysis (RPD)

**Bay Wood Products
Metals - Laboratory Blank Data Qualification Summary - SDG PB06**

No Sample Data Qualified in this SDG

METHOD: Metals (EPA SW 846 Method 6010B/7000)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 6/2/09
II.	ICP/MS Tune	N	
III.	Calibration	A	
IV.	Blanks	A	
V.	ICP Interference Check Sample (ICS) Analysis	A	
VI.	Matrix Spike Analysis	SW	3 MS / day
VII.	Duplicate Sample Analysis	SW	
VIII.	Laboratory Control Samples (LCS)	A	LCS
IX.	Internal Standard (ICP-MS)	N	3 not utilized
X.	Furnace Atomic Absorption QC	N	
XI.	ICP Serial Dilution	N	Not performed
XII.	Sample Result Verification	N	
XIII.	Overall Assessment of Data	A	
XIV.	Field Duplicates	SW	(2.6)
XV.	Field Blanks	N	

Note: A = Acceptable ND = No compounds detected D = Duplicate
 N = Not provided/applicable R = Rinsate TB = Trip blank
 SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples: Sediment.

1	BW-01-SS-090602	11		21		31	
2 ✓	BW-03-SS-090602	12		22		32	
3	BW-07-SS-090602	13		23		33	
4	BW-09-SS-090602	14		24		34	
5	BW-11-SS-090602	15		25		35	
6 ✓	BW-53-SS-090602	16		26		36	
7	BW-07-SS-090602MS	17		27		37	
8	BW-07-SS-090602DUP	18		28		38	
9		19		29		39	
10		20		30		40	

Notes: _____

LDC#: 21091A4
SDG#: See Cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]

METHOD: Metals (EPA Method 6010B/7000)

Y N NA Were field duplicate pairs identified in this SDG?
X N NA Were target analytes detected in the field duplicate pairs?

Compound	Concentration (mg/kg)		RPD	
	2	6		
Arsenic	20	20	0	
Chromium	63	69	9	
Copper	67.9	72.6	7	
Lead	12	13	8	
Mercury	0.10	0.10	0	
Nickel	51	56	9	
Zinc	94	104	10	

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**Bay Wood Products
Data Validation Reports
LDC# 21091**

Wet Chemistry

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: June 2, 2009
LDC Report Date: July 15, 2009
Matrix: Sediment
Parameters: Wet Chemistry
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.

Sample Delivery Group (SDG): PB06

Sample Identification

BW-01-SS-090602
BW-02-SS-090602
BW-03-SS-090602
BW-04-SS-090602
BW-05-SS-090602
BW-06-SS-090602
BW-07-SS-090602
BW-08-SS-090602
BW-09-SS-090602
BW-10-SS-090602
BW-11-SS-090602
BW-12-SS-090602
BW-53-SS-090602
BW-54-SS-090602
BW-01-SS-090602DUP
BW-01-SS-090602TRP
BW-07-SS-090602MS
BW-07-SS-090602DUP
BW-07-SS-090602TRP

Introduction

This data review covers 19 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 160.3 for Total Solids and Total Preserved Solids, EPA 160.4 for Total Volatile Solids, EPA Method 350.1 for Ammonia as Nitrogen, EPA Method 376.2 for Sulfide, Plumb Method for Total Organic Carbon, and PSEP Method for Particle Size.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the initial, continuing and preparation blanks.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Duplicates/Triplicates

Duplicate (DUP) and Triplicate (TRP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

VII. Sample Result Verification

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the Level III data validation all results are considered valid and usable for all purposes.

IX. Field Duplicates

Samples BW-03-SS-090602 and BW-53-SS-090602 and samples BW-04-SS-090602 and BW-54-SS-090602 were identified as field duplicates. No contaminant concentrations were detected in any of the samples with the following exceptions:

Analyte	Concentration (%)		RPD
	BW-03-SS-090602	BW-53-SS-090602	
Total solids	47.90	48.10	0
Preserved total solids	43.50	44.70	3
Total volatile solids	7.10	7.16	1
Total organic carbon	1.19	1.61	30

Analyte	Concentration (mg/Kg)		RPD
	BW-03-SS-090602	BW-53-SS-090602	
Ammonia as N	5.88	6.20	5
Sulfide	60.6	174	97

Analyte	Concentration (%)		RPD
	BW-04-SS-090602	BW-54-SS-090602	
Total solids	47.80	48.40	1
Preserved total solids	46.00	43.30	6
Total volatile solids	7.69	8.10	5
Total organic carbon	1.50	2.73	58

Analyte	Concentration (mg/Kg)		RPD
	BW-04-SS-090602	BW-54-SS-090602	
Ammonia as N	7.22	5.50	27
Sulfide	27.6	112	121

Phi Size	Percent Finer Than Indicated Size		RPD
	BW-03-SS-090602	BW-53-SS-090602	
-1	100	99.8	0
0	98.6	98.2	0
1	97.4	97.2	0
2	96.4	96.5	0
3	95.7	96.0	0
4	94.7	95.1	0
5	88.2	82.4	7
6	61.4	60.1	2
7	35.1	34.2	3
8	20.3	19.0	7
9	13.0	12.7	2
10	7.4	7.7	4

Phi Size	Percent Finer Than Indicated Size		RPD
	BW-04-SS-090602	BW-54-SS-090602	
-1	99.9	100	0
0	98.3	98.3	0
1	96.8	97.2	0
2	95.3	96.4	1
3	94.0	95.5	2
4	92.2	93.9	2
5	80.2	78.4	2
6	53.7	53.5	0

Phi Size	Percent Finer Than Indicated Size		RPD
	BW-04-SS-090602	BW-54-SS-090602	
7	29.1	28.5	2
8	16.4	16.5	1
9	10.2	10.3	1
10	5.8	5.9	2

X. Field Blanks

No field blanks were identified in this SDG.

Bay Wood Products
Wet Chemistry - Data Qualification Summary - SDG PB06

No Sample Data Qualified in this SDG

Bay Wood Products
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG PB06

No Sample Data Qualified in this SDG

LDC #: 21091A6

VALIDATION COMPLETENESS WORKSHEET

Date: 7/10/09

SDG #: PB06

Level III

Page: 1 of 1

Laboratory: Analytical Resources, Inc.

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: (Analyte) Ammonia-N (EPA Method 350.1), Particle Size (PSEP Method), Sulfide (EPA Method 376.2), TOC (Plumb Method), Total Solids & Total Preserved Solids (EPA Method 160.3), Total Volatile Solids (EPA Method 160.4)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 6/2/09
Ia.	Initial calibration	A	
Ib.	Calibration verification	A	
III.	Blanks	A	
IV	Matrix Spike/Matrix Spike Duplicates	A	
V	Duplicates	A	Duplicates, Triplicates
VI.	Laboratory control samples	A	ccs
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	(3,13), (4,14)
X	Field blanks	N	

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet

ND = No compounds detected
 R = Rinsate
 FB = Field blank

D = Duplicate
 TB = Trip blank
 EB = Equipment blank

Validated Samples: sediment

1	BW-01-SS-090602	11	BW-11-SS-090602	21	UMB	31	
2	BW-02-SS-090602	12	BW-12-SS-090602	22		32	
3	BW-03-SS-090602	13	BW-53-SS-090602	23		33	
4	BW-04-SS-090602	14	BW-54-SS-090602	24		34	
5	BW-05-SS-090602	15	BW-01-SS-090602DUP	25		35	
6	BW-06-SS-090602	16	BW-01-SS-090602TRP	26		36	
7	BW-07-SS-090602	17	BW-07-SS-090602MS	27		37	
8	BW-08-SS-090602	18	BW-07-SS-090602DUP	28		38	
9	BW-09-SS-090602	19	↓ TRP	29		39	
10	BW-10-SS-090602	20		30		40	

Notes: _____

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Inorganics, Method See Cover

Y N N A
~~Y~~ N N A

Were field duplicate pairs identified in this SDG?
 Were target analytes detected in the field duplicate pairs?

Analyte	Concentration (%)		RPD	
	3	13		
Total Solids	47.90	48.10	0	
Preserved Total Solids	43.50	44.70	3	
Total Volatile Solids	7.10	7.16	1	
TOC	1.19	1.61	30	

Analyte	Concentration (mg/Kg)		RPD	
	3	13		
Ammonia as N	5.88	6.20	5	
Sulfide	60.6	174	97	

Analyte	Concentration (%)		RPD	
	4	14		
Total Solids	47.80	47.40	1	
Preserved Total Solids	46.00	43.30	6	
Total Volatile Solids	7.69	8.10	5	
TOC	1.50	2.73	58	

Analyte	Concentration (mg/Kg)		RPD	
	4	14		
Ammonia as N	7.22	5.50	27	
Sulfide	27.6	112	121	

LDC#: 21091A6
 SDG#: See Cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 2 of 3
 Reviewer: [Signature]
 2nd Reviewer: [Signature]

Inorganics, Method See Cover

Y N NA Were field duplicate pairs identified in this SDG?
Y N NA Were target analytes detected in the field duplicate pairs?

Phi Size	Percent Finer Than Indicated Size		RPD	
	3	13		
-1	100	99.8	0	
0	98.6	98.2	0	
1	97.4	97.2	0	
2	96.4	96.5	0	
3	95.7	96.0	0	
4	94.7	95.1	0	
5	88.2	82.4	7	
6	61.4	60.1	2	
7	35.1	34.2	3	
8	20.3	19.0	7	
9	13.0	12.7	2	
10	7.4	7.7	4	

Phi Size	Percent Finer Than Indicated Size		RPD	
	4	14		
-1	99.9	100	0	
0	98.3	98.3	0	
1	96.8	97.2	0	
2	95.3	96.4	1	
3	94.0	95.5	2	

LDC#: 21091A6
SDG#: See Cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 3 of 3
Reviewer: [Signature]
2nd Reviewer: [Signature]

Inorganics, Method See Cover

Y N NA Were field duplicate pairs identified in this SDG?
Y N NA Were target analytes detected in the field duplicate pairs?

Phi Size	Percent Finer Than Indicated Size		RPD	
	4	14		
4	92.2	93.9	2	
5	80.2	78.4	2	
6	53.7	53.5	0	
7	29.1	28.5	2	
8	16.4	16.5	1	
9	10.2	10.3	1	
10	5.8	5.9	2	

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**Bay Wood Products
Data Validation Reports
LDC# 21091**

TPH as Extractables

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Bay Wood Products
Collection Date: June 2, 2009
LDC Report Date: July 17, 2009
Matrix: Sediment
Parameters: Total Petroleum Hydrocarbons as Extractables
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.
Sample Delivery Group (SDG): PB06

Sample Identification

BW-01-SS-090602
BW-02-SS-090602
BW-03-SS-090602
BW-04-SS-090602
BW-05-SS-090602
BW-06-SS-090602
BW-07-SS-090602
BW-08-SS-090602
BW-09-SS-090602
BW-10-SS-090602
BW-11-SS-090602
BW-12-SS-090602
BW-53-SS-090602
BW-54-SS-090602
BW-07-SS-090602MS
BW-07-SS-090602MSD

Introduction

This data review covers 16 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method NWTPH-Dx for Total Petroleum Hydrocarbons (TPH) as Extractables.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. Cooler temperatures for samples in this SDG were reported at 9.2°C to 12.4°C upon receipt by the laboratory. Samples received the same day that they were collected, time did not allow for sufficient cooling of the samples, therefore no data were qualified.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 20.0% QC limits.

The percent differences (%D) of the second source calibration standard were less than or equal to 20.0% for all compounds.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total petroleum hydrocarbons as extractable contaminants were found in the method blanks.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the Level III data validation all results are considered valid and usable for all purposes.

IX. Field Duplicates

Samples BW-03-SS-090602 and BW-53-SS-090602 and samples BW-04-SS-090602 and BW-54-SS-090602 were identified as field duplicates. No total petroleum hydrocarbons as extractables were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/Kg)		RPD
	BW-03-SS-090602	BW-53-SS-090602	
TPH as diesel	10	12	18
TPH as motor oil	54	70	26

Compound	Concentration (mg/Kg)		RPD
	BW-04-SS-090602	BW-54-SS-090602	
TPH as diesel	20	13	42
TPH as motor oil	110	75	38

X. Field Blanks

No field blanks were identified in this SDG.

Bay Wood Products

Total Petroleum Hydrocarbons as Extractables - Data Qualification Summary - SDG PB06

No Sample Data Qualified in this SDG

Bay Wood Products

Total Petroleum Hydrocarbons as Extractables - Laboratory Blank Data Qualification Summary - SDG PB06

No Sample Data Qualified in this SDG

LDC #: 21091A8

VALIDATION COMPLETENESS WORKSHEET

Date: 7/16/09

SDG #: PB06

Level III

Page: 1 of 1

Laboratory: Analytical Resources, Inc.

Reviewer: R

2nd Reviewer: ✓

METHOD: GC TPH as Extractables (Method NWTPH-Dx)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	SW	Sampling dates: 6/2/09 cooler temp 9.2-12.4°C
IIa.	Initial calibration	A	not enough time
IIb.	Calibration verification/ICV	A	≤ 20%
III.	Blanks	A	
IVa.	Surrogate recovery	A	
IVb.	Matrix spike/Matrix spike duplicates	A	
IVc.	Laboratory control samples	A	LCS
V.	Target compound identification	N	
VI.	Compound Quantitation and CRQLs	N	
VII.	System Performance	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	D = 3 + 13, 4 + 14
X.	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:

Sediment						
1	BW-01-SS-090602	11	BW-11-SS-090602	21	MB-060809	31
2	BW-02-SS-090602	12	BW-12-SS-090602	22		32
3	BW-03-SS-090602	13	BW-53-SS-090602	23		33
4	BW-04-SS-090602	14	BW-54-SS-090602	24		34
5	BW-05-SS-090602	15	BW-07-SS-090602MS	25		35
6	BW-06-SS-090602	16	BW-07-SS-090602MSD	26		36
7	BW-07-SS-090602	17		27		37
8	BW-08-SS-090602	18		28		38
9	BW-09-SS-090602	19		29		39
10	BW-10-SS-090602	20		30		40

Notes: _____

LDC #: 2109188
 SDG #: 8u over

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
 Reviewer: [Signature]
 2nd reviewer: [Signature]

METHOD: GC HPLC (EPA _____)

Y N N/A
 Y N N/A

Were field duplicate pairs identified in this SDG?
 Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/kg)		RPD
	3	13	
Diesel	10	12	18
Motor oil	54	70	26

Compound	Concentration (mg/kg)		RPD
	4	14	
Diesel	20	13	42
Motor oil	110	75	38

Compound	Concentration ()		RPD

Compound	Concentration ()		RPD

Bay Wood Products - LDC 21091

SDG: PB06

Analytical Method	E160.3																			
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units							
BW-01-SS-090602	09-12542-PB06A	Total solids	6/3/2009	44.9	Yes	Y	Y				0.01		pct							
BW-02-SS-090602	09-12543-PB06B	Total solids	6/3/2009	68.3	Yes	Y	Y				0.01		pct							
BW-03-SS-090602	09-12544-PB06C	Total solids	6/3/2009	47.9	Yes	Y	Y				0.01		pct							
BW-04-SS-090602	09-12545-PB06D	Total solids	6/3/2009	47.8	Yes	Y	Y				0.01		pct							
BW-05-SS-090602	09-12546-PB06E	Total solids	6/3/2009	51.1	Yes	Y	Y				0.01		pct							
BW-06-SS-090602	09-12547-PB06F	Total solids	6/3/2009	55.7	Yes	Y	Y				0.01		pct							
BW-07-SS-090602	09-12548-PB06G	Total solids	6/3/2009	64.9	Yes	Y	Y				0.01		pct							
BW-08-SS-090602	09-12549-PB06H	Total solids	6/3/2009	60.4	Yes	Y	Y				0.01		pct							
BW-09-SS-090602	09-12550-PB06I	Total solids	6/3/2009	54.5	Yes	Y	Y				0.01		pct							
BW-10-SS-090602	09-12551-PB06J	Total solids	6/3/2009	69.2	Yes	Y	Y				0.01		pct							
BW-11-SS-090602	09-12552-PB06K	Total solids	6/3/2009	44.9	Yes	Y	Y				0.01		pct							
BW-12-SS-090602	09-12553-PB06L	Total solids	6/3/2009	49.1	Yes	Y	Y				0.01		pct							
BW-53-SS-090602	09-12554-PB06M	Total solids	6/3/2009	48.1	Yes	Y	Y				0.01		pct							
BW-54-SS-090602	09-12555-PB06N	Total solids	6/3/2009	47.4	Yes	Y	Y				0.01		pct							
Analytical Method E160.3-PRES																				
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units							
BW-01-SS-090602	09-12542-PB06A	Total Solids (preserved)	6/4/2009	42.7	Yes	Y	Y				0.01		pct							
BW-02-SS-090602	09-12543-PB06B	Total Solids (preserved)	6/4/2009	66.8	Yes	Y	Y				0.01		pct							
BW-03-SS-090602	09-12544-PB06C	Total Solids (preserved)	6/4/2009	43.5	Yes	Y	Y				0.01		pct							
BW-04-SS-090602	09-12545-PB06D	Total Solids (preserved)	6/4/2009	46	Yes	Y	Y				0.01		pct							
BW-05-SS-090602	09-12546-PB06E	Total Solids (preserved)	6/4/2009	48.3	Yes	Y	Y				0.01		pct							
BW-06-SS-090602	09-12547-PB06F	Total Solids (preserved)	6/4/2009	50.2	Yes	Y	Y				0.01		pct							
BW-07-SS-090602	09-12548-PB06G	Total Solids (preserved)	6/4/2009	68.1	Yes	Y	Y				0.01		pct							
BW-08-SS-090602	09-12549-PB06H	Total Solids (preserved)	6/4/2009	58.8	Yes	Y	Y				0.01		pct							

SDG: PB06

Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
Analytical Method E160.3-PRES												
BW-09-SS-090602	09-12550-PB06I	Total Solids (preserved)	6/4/2009	51.2	Yes	Y				0.01		pct
BW-10-SS-090602	09-12551-PB06J	Total Solids (preserved)	6/4/2009	61.8	Yes	Y				0.01		pct
BW-11-SS-090602	09-12552-PB06K	Total Solids (preserved)	6/4/2009	41.5	Yes	Y				0.01		pct
BW-12-SS-090602	09-12553-PB06L	Total Solids (preserved)	6/4/2009	44.6	Yes	Y				0.01		pct
BW-53-SS-090602	09-12554-PB06M	Total Solids (preserved)	6/4/2009	44.7	Yes	Y				0.01		pct
BW-54-SS-090602	09-12555-PB06N	Total Solids (preserved)	6/4/2009	43.3	Yes	Y				0.01		pct
Analytical Method E160.4												
Sample ID Lab Sample ID Chemical Name Anal Date Result Mod Res Report Detect Lab Qual Val Qual Reason RL MDL Units												
BW-01-SS-090602	09-12542-PB06A	Total volatile solids	6/3/2009	7.54	Yes	Y				0.01		pct
BW-02-SS-090602	09-12543-PB06B	Total volatile solids	6/3/2009	2.99	Yes	Y				0.01		pct
BW-03-SS-090602	09-12544-PB06C	Total volatile solids	6/3/2009	7.1	Yes	Y				0.01		pct
BW-04-SS-090602	09-12545-PB06D	Total volatile solids	6/3/2009	7.69	Yes	Y				0.01		pct
BW-05-SS-090602	09-12546-PB06E	Total volatile solids	6/3/2009	6.53	Yes	Y				0.01		pct
BW-06-SS-090602	09-12547-PB06F	Total volatile solids	6/3/2009	5.69	Yes	Y				0.01		pct
BW-07-SS-090602	09-12548-PB06G	Total volatile solids	6/3/2009	6.29	Yes	Y				0.01		pct
BW-08-SS-090602	09-12549-PB06H	Total volatile solids	6/3/2009	5.72	Yes	Y				0.01		pct
BW-09-SS-090602	09-12550-PB06I	Total volatile solids	6/3/2009	7.6	Yes	Y				0.01		pct
BW-10-SS-090602	09-12551-PB06J	Total volatile solids	6/3/2009	4.23	Yes	Y				0.01		pct
BW-11-SS-090602	09-12552-PB06K	Total volatile solids	6/3/2009	8.73	Yes	Y				0.01		pct
BW-12-SS-090602	09-12553-PB06L	Total volatile solids	6/3/2009	7.64	Yes	Y				0.01		pct
BW-53-SS-090602	09-12554-PB06M	Total volatile solids	6/3/2009	7.16	Yes	Y				0.01		pct
BW-54-SS-090602	09-12555-PB06N	Total volatile solids	6/3/2009	8.1	Yes	Y				0.01		pct
Analytical Method E350.1M												
Sample ID Lab Sample ID Chemical Name Anal Date Result Mod Res Report Detect Lab Qual Val Qual Reason RL MDL Units												
BW-01-SS-090602	09-12542-PB06A	Ammonia	6/5/2009	7.94	Yes	Y				0.20	0.03000	pct

SDG: PB06

Analytical Method	E350.1M																			
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units							
BW-02-SS-090602	09-12543-PB06B	Ammonia	6/5/2009	4.7	Yes	Y					0.13	0.03000	pct							
BW-03-SS-090602	09-12544-PB06C	Ammonia	6/5/2009	5.88	Yes	Y					0.19	0.03000	pct							
BW-04-SS-090602	09-12545-PB06D	Ammonia	6/5/2009	7.22	Yes	Y					0.20	0.03000	pct							
BW-05-SS-090602	09-12546-PB06E	Ammonia	6/5/2009	7.58	Yes	Y					0.19	0.03000	pct							
BW-06-SS-090602	09-12547-PB06F	Ammonia	6/5/2009	6.36	Yes	Y					0.17	0.03000	pct							
BW-07-SS-090602	09-12548-PB06G	Ammonia	6/5/2009	8.98	Yes	Y					0.14	0.03000	pct							
BW-08-SS-090602	09-12549-PB06H	Ammonia	6/5/2009	5.09	Yes	Y					0.15	0.03000	pct							
BW-09-SS-090602	09-12550-PB06I	Ammonia	6/5/2009	8.94	Yes	Y					0.16	0.03000	pct							
BW-10-SS-090602	09-12551-PB06J	Ammonia	6/5/2009	6.36	Yes	Y					0.14	0.03000	pct							
BW-11-SS-090602	09-12552-PB06K	Ammonia	6/5/2009	13.6	Yes	Y					0.20	0.03000	pct							
BW-12-SS-090602	09-12553-PB06L	Ammonia	6/5/2009	8.19	Yes	Y					0.20	0.03000	pct							
BW-53-SS-090602	09-12854-PB06M	Ammonia	6/5/2009	6.2	Yes	Y					0.20	0.03000	pct							
BW-54-SS-090602	09-12855-PB06N	Ammonia	6/5/2009	5.5	Yes	Y					0.21	0.03000	pct							

Analytical Method E376.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SS-090602	09-12542-PB06A	Sulfide	6/4/2009	62.8	Yes	Y					11.7	0.03750	pct
BW-02-SS-090602	09-12543-PB06B	Sulfide	6/4/2009	8.9	Yes	Y					1.49	0.00750	pct
BW-03-SS-090602	09-12544-PB06C	Sulfide	6/4/2009	60.6	Yes	Y					4.27	0.01500	pct
BW-04-SS-090602	09-12545-PB06D	Sulfide	6/4/2009	27.6	Yes	Y					4.28	0.01500	pct
BW-05-SS-090602	09-12546-PB06E	Sulfide	6/4/2009	502	Yes	Y					40.5	0.15000	pct
BW-06-SS-090602	09-12547-PB06F	Sulfide	6/4/2009	6.56	Yes	Y					1.96	0.00750	pct
BW-07-SS-090602	09-12548-PB06G	Sulfide	6/4/2009	46.8	Yes	Y					2.93	0.01500	pct
BW-08-SS-090602	09-12549-PB06H	Sulfide	6/4/2009	1.68	Yes	N	U				1.68	0.00750	pct
BW-09-SS-090602	09-12550-PB06I	Sulfide	6/4/2009	5.1	Yes	Y					1.95	0.00750	pct
BW-10-SS-090602	09-12551-PB06J	Sulfide	6/4/2009	3.5	Yes	Y					1.61	0.00750	pct

SDG: PB06

Analytical Method	E376.2																		
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units						
BW-11-SS-090602	09-12552-PB06K	Sulfide	6/4/2009	136	Yes	Y	Y				23.8	0.07500	pct						
BW-12-SS-090602	09-12553-PB06L	Sulfide	6/4/2009	133	Yes	Y	Y				10.9	0.03750	pct						
BW-53-SS-090602	09-12554-PB06M	Sulfide	6/4/2009	174	Yes	Y	Y				21.6	0.07500	pct						
BW-54-SS-090602	09-12555-PB06N	Sulfide	6/4/2009	112	Yes	Y	Y				11.5	0.03750	pct						
Analytical Method	NWTPHDx	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units						
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units						
BW-01-SS-090602	09-12542-PB06A	Diesel Range Hydrocarbons	6/12/2009	22	Yes	Y	Y				10	0.6	mg/kg						
BW-01-SS-090602	09-12542-PB06A	Motor Oil Range	6/12/2009	120	Yes	Y	Y				21	1.4	mg/kg						
BW-02-SS-090602	09-12543-PB06B	Diesel Range Hydrocarbons	6/12/2009	6.8	Yes	N	U				6.8	0.4	mg/kg						
BW-02-SS-090602	09-12543-PB06B	Motor Oil Range	6/12/2009	25	Yes	Y	Y				14	0.9	mg/kg						
BW-03-SS-090602	09-12544-PB06C	Diesel Range Hydrocarbons	6/12/2009	10	Yes	Y	Y				10	0.6	mg/kg						
BW-03-SS-090602	09-12544-PB06C	Motor Oil Range	6/12/2009	54	Yes	Y	Y				20	1.4	mg/kg						
BW-04-SS-090602	09-12545-PB06D	Diesel Range Hydrocarbons	6/12/2009	20	Yes	Y	Y				10	0.6	mg/kg						
BW-04-SS-090602	09-12545-PB06D	Motor Oil Range	6/12/2009	110	Yes	Y	Y				20	1.4	mg/kg						
BW-05-SS-090602	09-12546-PB06E	Diesel Range Hydrocarbons	6/12/2009	12	Yes	Y	Y				9.0	0.5	mg/kg						
BW-05-SS-090602	09-12546-PB06E	Motor Oil Range	6/12/2009	57	Yes	Y	Y				18	1.3	mg/kg						
BW-06-SS-090602	09-12547-PB06F	Diesel Range Hydrocarbons	6/12/2009	8.2	Yes	N	U				8.2	0.5	mg/kg						
BW-06-SS-090602	09-12547-PB06F	Motor Oil Range	6/12/2009	27	Yes	Y	Y				16	1.1	mg/kg						
BW-07-SS-090602	09-12548-PB06G	Diesel Range Hydrocarbons	6/13/2009	28	Yes	Y	Y				7.0	0.4	mg/kg						
BW-07-SS-090602	09-12548-PB06G	Motor Oil Range	6/13/2009	190	Yes	Y	Y				14	1.0	mg/kg						
BW-08-SS-090602	09-12549-PB06H	Diesel Range Hydrocarbons	6/13/2009	14	Yes	Y	Y				7.7	0.5	mg/kg						
BW-08-SS-090602	09-12549-PB06H	Motor Oil Range	6/13/2009	53	Yes	Y	Y				15	1.1	mg/kg						
BW-09-SS-090602	09-12550-PB06I	Diesel Range Hydrocarbons	6/13/2009	17	Yes	Y	Y				8.9	0.5	mg/kg						
BW-09-SS-090602	09-12550-PB06I	Motor Oil Range	6/13/2009	78	Yes	Y	Y				18	1.2	mg/kg						
BW-10-SS-090602	09-12551-PB06J	Diesel Range Hydrocarbons	6/13/2009	11	Yes	Y	Y				6.9	0.4	mg/kg						

SDG: PB06

Analytical Method	PSEP	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
Sample ID	Lab Sample ID												
BW-02-SS-090602	09-12543-PB06B	Silt, Fine	6/19/2009	7.1	Yes	Y					0.1	0.1	pct
BW-02-SS-090602	09-12543-PB06B	Silt, Medium	6/19/2009	7.1	Yes	Y					0.1	0.1	pct
BW-02-SS-090602	09-12543-PB06B	Silt, Very Fine	6/19/2009	4.2	Yes	Y					0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Clay, Coarse	6/19/2009	7.3	Yes	Y					0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Clay, Fine	6/19/2009	7.4	Yes	Y					0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Clay, Medium	6/19/2009	5.6	Yes	Y					0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Fines (silt + clay)	6/19/2009	94.7	Yes	Y					0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Gravel	6/19/2009	0.1	Yes	N	U				0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Sand, Coarse	6/19/2009	1.2	Yes	Y					0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Sand, Fine	6/19/2009	0.7	Yes	Y					0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Sand, Medium	6/19/2009	1.1	Yes	Y					0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Sand, Very Coarse	6/19/2009	1.4	Yes	Y					0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Sand, Very Fine	6/19/2009	1	Yes	Y					0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Silt, Coarse	6/19/2009	6.5	Yes	Y					0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Silt, Fine	6/19/2009	26.3	Yes	Y					0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Silt, Medium	6/19/2009	26.8	Yes	Y					0.1	0.1	pct
BW-03-SS-090602	09-12544-PB06C	Silt, Very Fine	6/19/2009	14.8	Yes	Y					0.1	0.1	pct
BW-04-SS-090602	09-12545-PB06D	Clay, Coarse	6/19/2009	6.3	Yes	Y					0.1	0.1	pct
BW-04-SS-090602	09-12545-PB06D	Clay, Fine	6/19/2009	5.8	Yes	Y					0.1	0.1	pct
BW-04-SS-090602	09-12545-PB06D	Clay, Medium	6/19/2009	4.4	Yes	Y					0.1	0.1	pct
BW-04-SS-090602	09-12545-PB06D	Fines (silt + clay)	6/19/2009	92.2	Yes	Y					0.1	0.1	pct
BW-04-SS-090602	09-12545-PB06D	Gravel	6/19/2009	0.1	Yes	Y					0.1	0.1	pct
BW-04-SS-090602	09-12545-PB06D	Sand, Coarse	6/19/2009	1.5	Yes	Y					0.1	0.1	pct
BW-04-SS-090602	09-12545-PB06D	Sand, Fine	6/19/2009	1.3	Yes	Y					0.1	0.1	pct
BW-04-SS-090602	09-12545-PB06D	Sand, Medium	6/19/2009	1.4	Yes	Y					0.1	0.1	pct

SDG: PB06

Analytical Method	PSEP	Chemical Name	Anal Date	Result	Mod Res	Report	Detart	Lab Qual	Val Qual	Reason	RL	MNL	Units
Sample ID	Lab Sample ID												
BW-06-SS-090602	09-12547-PB06F	Sand, Coarse	6/19/2009	1		Yes	Y				0.1	0.1	pct
BW-06-SS-090602	09-12547-PB06F	Sand, Fine	6/19/2009	3.7		Yes	Y				0.1	0.1	pct
BW-06-SS-090602	09-12547-PB06F	Sand, Medium	6/19/2009	1.8		Yes	Y				0.1	0.1	pct
BW-06-SS-090602	09-12547-PB06F	Sand, Very Coarse	6/19/2009	0.7		Yes	Y				0.1	0.1	pct
BW-06-SS-090602	09-12547-PB06F	Sand, Very Fine	6/19/2009	13.1		Yes	Y				0.1	0.1	pct
BW-06-SS-090602	09-12547-PB06F	Silt, Coarse	6/19/2009	32.3		Yes	Y				0.1	0.1	pct
BW-06-SS-090602	09-12547-PB06F	Silt, Fine	6/19/2009	12.1		Yes	Y				0.1	0.1	pct
BW-06-SS-090602	09-12547-PB06F	Silt, Medium	6/19/2009	17		Yes	Y				0.1	0.1	pct
BW-06-SS-090602	09-12547-PB06F	Silt, Very Fine	6/19/2009	5.7		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Clay, Coarse	6/19/2009	0.8		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Clay, Fine	6/19/2009	1		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Clay, Medium	6/19/2009	0.7		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Fines (silt + clay)	6/19/2009	17		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Gravel	6/19/2009	4.4		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Sand, Coarse	6/19/2009	17		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Sand, Fine	6/19/2009	10.5		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Sand, Medium	6/19/2009	44.7		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Sand, Very Coarse	6/19/2009	3.9		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Sand, Very Fine	6/19/2009	2.4		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Silt, Coarse	6/19/2009	5		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Silt, Fine	6/19/2009	3.1		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Silt, Medium	6/19/2009	5.2		Yes	Y				0.1	0.1	pct
BW-07-SS-090602	09-12548-PB06G	Silt, Very Fine	6/19/2009	1.4		Yes	Y				0.1	0.1	pct
BW-08-SS-090602	09-12549-PB06H	Clay, Coarse	6/19/2009	2.2		Yes	Y				0.1	0.1	pct
BW-08-SS-090602	09-12549-PB06H	Clay, Fine	6/19/2009	4.1		Yes	Y				0.1	0.1	pct

SDG: PB06

Analytical Method	SW6010B	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MNL	Units
Sample ID	Lab Sample ID												
BW-53-SS-090602	09-12554-PB06M	Silver	6/9/2009	0.6	Yes	N	U				0.6	0.23	mg/kg
BW-53-SS-090602	09-12554-PB06M	Zinc	6/9/2009	104	Yes	Y	J	9	2		0.58		mg/kg
Analytical Method SW7471A													
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MNL	Units
BW-01-SS-090602	09-12542-PB06A	Mercury	6/8/2009	0.11	Yes	Y					0.05	0.0045	mg/kg
BW-03-SS-090602	09-12544-PB06C	Mercury	6/8/2009	0.1	Yes	Y					0.04	0.0041	mg/kg
BW-07-SS-090602	09-12548-PB06G	Mercury	6/8/2009	0.03	Yes	Y					0.03	0.0030	mg/kg
BW-09-SS-090602	09-12550-PB06I	Mercury	6/8/2009	0.09	Yes	Y					0.04	0.0038	mg/kg
BW-11-SS-090602	09-12552-PB06K	Mercury	6/8/2009	0.11	Yes	Y					0.04	0.0042	mg/kg
BW-53-SS-090602	09-12554-PB06M	Mercury	6/8/2009	0.1	Yes	Y					0.04	0.0043	mg/kg
Analytical Method SW8081B													
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MNL	Units
BW-01-SS-090602	09-12542-PB06A	Hexachlorobenzene	6/11/2009	0.98	Yes	N	U				0.98	0.19	ug/kg
BW-01-SS-090602	09-12542-PB06A	Hexachlorobutadiene	6/11/2009	0.98	Yes	N	U				0.98	0.15	ug/kg
BW-03-SS-090602	09-12544-PB06C	Hexachlorobenzene	6/11/2009	0.99	Yes	N	U				0.99	0.19	ug/kg
BW-03-SS-090602	09-12544-PB06C	Hexachlorobutadiene	6/11/2009	0.99	Yes	N	U				0.99	0.15	ug/kg
BW-07-SS-090602	09-12548-PB06G	Hexachlorobenzene	6/15/2009	0.98	Yes	N	U				0.98	0.19	ug/kg
BW-07-SS-090602	09-12548-PB06G	Hexachlorobutadiene	6/15/2009	0.98	Yes	N	U				0.98	0.15	ug/kg
BW-09-SS-090602	09-12550-PB06I	Hexachlorobenzene	6/11/2009	0.98	Yes	N	U				0.98	0.19	ug/kg
BW-09-SS-090602	09-12550-PB06I	Hexachlorobutadiene	6/11/2009	0.98	Yes	N	U				0.98	0.15	ug/kg
BW-11-SS-090602	09-12552-PB06K	Hexachlorobenzene	6/11/2009	1	Yes	Y					0.98	0.19	ug/kg
BW-11-SS-090602	09-12552-PB06K	Hexachlorobutadiene	6/11/2009	0.98	Yes	N	U				0.98	0.15	ug/kg
BW-53-SS-090602	09-12554-PB06M	Hexachlorobenzene	6/11/2009	0.97	Yes	N	U				0.97	0.19	ug/kg
BW-53-SS-090602	09-12554-PB06M	Hexachlorobutadiene	6/11/2009	0.97	Yes	N	U				0.97	0.15	ug/kg

SDG: PB06

Analytical Method	SW8270D	Chemical Name	Anal Date	Result	Mod Res	Report	Detact	Lab Qual	Val Qual	Reason	RL	MUL	Units
Sample ID	Lab Sample ID												
BW-01-SS-090602	09-12542-PB06ADL	2,4-Dimethylphenol	6/16/2009	98	No	N	N	U	R	22	98	73	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	2-Methylnaphthalene	6/16/2009	98	No	N	N	U	R	22	98	40	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	2-Methylphenol (o-Cresol)	6/16/2009	98	No	N	N	U	R	22	98	70	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	4-Methylphenol (p-Cresol)	6/16/2009	98	No	N	N	U	R	22	98	63	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Acenaphthene	6/16/2009	98	No	N	N	U	R	22	98	40	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Acenaphthylene	6/16/2009	98	No	N	N	U	R	22	98	42	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Anthracene	6/16/2009	98	No	N	N	U	R	22	98	38	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Benzo(a)anthracene	6/16/2009	98	No	N	N	U	R	22	98	29	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Benzo(a)pyrene	6/16/2009	98	No	N	N	U	R	22	98	40	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Benzo(b)fluoranthene	6/16/2009	50	No	Y	Y	J	R	22	98	47	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Benzo(g,h,i)perylene	6/16/2009	98	No	N	N	U	R	22	98	33	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Benzo(k)fluoranthene	6/16/2009	98	No	N	N	U	R	22	98	45	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Benzoic acid	6/16/2009	980	No	N	N	U	R	22	980	560	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Benzyl alcohol	6/16/2009	98	No	N	N	U	R	22	98	71	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Bis(2-ethylhexyl) phthalate	6/16/2009	98	No	N	N	U	R	22	98	54	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Butylbenzyl phthalate	6/16/2009	98	No	N	N	U	R	22	98	55	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Chrysene	6/16/2009	110	No	Y	Y		R	22	98	33	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Dibenzo(a,h)anthracene	6/16/2009	98	No	N	N	U	R	22	98	42	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Dibenzofuran	6/16/2009	98	No	N	N	U	R	22	98	37	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Diethyl phthalate	6/16/2009	98	No	N	N	U	R	22	98	80	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Dimethyl phthalate	6/16/2009	98	No	N	N	U	R	22	98	38	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Di-n-butyl phthalate	6/16/2009	98	No	N	N	U	R	22	98	61	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Di-n-octyl phthalate	6/16/2009	98	No	N	N	U	R	22	98	41	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Fluoranthene	6/16/2009	100	No	Y	Y	U	R	22	98	39	ug/kg
BW-01-SS-090602	09-12542-PB06ADL	Fluorene	6/16/2009	98	No	N	N	U	R	22	98	44	ug/kg

SDG: PB06

Analytical Method	SW8270D	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MUL	Units
Sample ID	Lab Sample ID												
BW-03-SS-090602	09-12544-PB06CDL	1,3-Dichlorobenzene	6/16/2009	98	No	N	N	U	R	22	98	37	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	1,4-Dichlorobenzene	6/16/2009	98	No	N	N	U	R	22	98	36	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	1-Methylnaphthalene	6/16/2009	98	No	N	N	U	R	22	98	35	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	2,4-Dimethylphenol	6/16/2009	98	No	N	N	U	R	22	98	73	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	2-Methylnaphthalene	6/16/2009	98	No	N	N	U	R	22	98	40	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	2-Methylphenol (o-Cresol)	6/16/2009	98	No	N	N	U	R	22	98	70	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	4-Methylphenol (p-Cresol)	6/16/2009	98	No	N	N	U	R	22	98	63	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Acenaphthene	6/16/2009	98	No	N	N	U	R	22	98	40	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Acenaphthylene	6/16/2009	98	No	N	N	U	R	22	98	43	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Anthracene	6/16/2009	98	No	N	N	U	R	22	98	38	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Benzo(a)anthracene	6/16/2009	98	No	N	N	U	R	22	98	29	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Benzo(a)pyrene	6/16/2009	98	No	N	N	U	R	22	98	40	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Benzo(b)fluoranthene	6/16/2009	98	No	N	N	U	R	22	98	47	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Benzo(g,h,i)perylene	6/16/2009	98	No	N	N	U	R	22	98	33	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Benzo(k)fluoranthene	6/16/2009	98	No	N	N	U	R	22	98	45	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Benzoic acid	6/16/2009	980	No	N	N	U	R	22	980	560	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Benzyl alcohol	6/16/2009	98	No	N	N	U	R	22	98	71	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Bis(2-ethylhexyl) phthalate	6/16/2009	98	No	N	N	U	R	22	98	54	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Butylbenzyl phthalate	6/16/2009	98	No	N	N	U	R	22	98	55	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Chrysene	6/16/2009	57	No	Y	J	R	R	22	98	33	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Dibenzo(a,h)anthracene	6/16/2009	98	No	N	N	U	R	22	98	42	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Dibenzofuran	6/16/2009	98	No	N	N	U	R	22	98	37	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Diethyl phthalate	6/16/2009	98	No	N	N	U	R	22	98	81	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Dimethyl phthalate	6/16/2009	98	No	N	N	U	R	22	98	38	ug/kg
BW-03-SS-090602	09-12544-PB06CDL	Di-n-butyl phthalate	6/16/2009	98	No	N	N	U	R	22	98	61	ug/kg

SDG: PB06

Analytical Method	SW8270D	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
Sample ID	Lab Sample ID												
BW-11-SS-090602	09-12552-PB06K	Acenaphthylene	6/12/2009	20	Yes	N	U				20	8.6	ug/kg
BW-11-SS-090602	09-12552-PB06K	Anthracene	6/12/2009	15	Yes	Y	J				20	7.7	ug/kg
BW-11-SS-090602	09-12552-PB06K	Benzo(a)anthracene	6/12/2009	48	Yes	Y	J				20	5.9	ug/kg
BW-11-SS-090602	09-12552-PB06K	Benzo(a)pyrene	6/12/2009	28	Yes	Y					20	8.1	ug/kg
BW-11-SS-090602	09-12552-PB06K	Benzo(b)fluoranthene	6/12/2009	45	Yes	Y	J				20	9.4	ug/kg
BW-11-SS-090602	09-12552-PB06K	Benzo(g,h,i)perylene	6/12/2009	20	Yes	N	U		UU		20	6.7	ug/kg
BW-11-SS-090602	09-12552-PB06K	Benzo(k)fluoranthene	6/12/2009	45	Yes	Y	J				20	9.2	ug/kg
BW-11-SS-090602	09-12552-PB06K	Benzoic acid	6/12/2009	200	Yes	N	U				200	110	ug/kg
BW-11-SS-090602	09-12552-PB06K	Benzyl alcohol	6/12/2009	20	Yes	N	U				20	14	ug/kg
BW-11-SS-090602	09-12552-PB06K	Bis(2-ethylhexyl) phthalate	6/12/2009	34	Yes	Y					20	11	ug/kg
BW-11-SS-090602	09-12552-PB06K	Butylbenzyl phthalate	6/12/2009	33	Yes	Y	J				20	11	ug/kg
BW-11-SS-090602	09-12552-PB06K	Chrysene	6/12/2009	110	Yes	Y	J				20	6.6	ug/kg
BW-11-SS-090602	09-12552-PB06K	Dibenzo(a,h)anthracene	6/12/2009	20	Yes	N	U				20	8.5	ug/kg
BW-11-SS-090602	09-12552-PB06K	Dibenzofuran	6/12/2009	20	Yes	N	U				20	7.5	ug/kg
BW-11-SS-090602	09-12552-PB06K	Diethyl phthalate	6/12/2009	20	Yes	N	U				20	16	ug/kg
BW-11-SS-090602	09-12552-PB06K	Dimethyl phthalate	6/12/2009	20	Yes	N	U				20	7.7	ug/kg
BW-11-SS-090602	09-12552-PB06K	Di-n-butyl phthalate	6/12/2009	20	Yes	N	U				20	12	ug/kg
BW-11-SS-090602	09-12552-PB06K	Di-n-octyl phthalate	6/12/2009	20	Yes	N	U				20	8.2	ug/kg
BW-11-SS-090602	09-12552-PB06K	Fluoranthene	6/12/2009	180	Yes	Y					20	7.8	ug/kg
BW-11-SS-090602	09-12552-PB06K	Fluorene	6/12/2009	20	Yes	N	U				20	8.9	ug/kg
BW-11-SS-090602	09-12552-PB06K	Hexachlorobenzene	6/12/2009	20	Yes	N	U				20	7.9	ug/kg
BW-11-SS-090602	09-12552-PB06K	Hexachlorobutadiene	6/12/2009	20	Yes	N	U				20	8.0	ug/kg
BW-11-SS-090602	09-12552-PB06K	Indeno(1,2,3-c,d)pyrene	6/12/2009	20	Yes	N	U				20	8.5	ug/kg
BW-11-SS-090602	09-12552-PB06K	Naphthalene	6/12/2009	20	Yes	N	U				20	8.6	ug/kg
BW-11-SS-090602	09-12552-PB06K	N-Nitrosodiphenylamine	6/12/2009	20	Yes	N	U	UU		5	20	8.6	ug/kg

SDG: PB06

Analytical Method	SW8270D	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MWL	Units
Sample ID	Lab Sample ID												
BW-11-SS-090602	09-12552-PB06KDL	Chrysene	6/16/2009	120	No	Y	N	R	R	22	99	33	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Dibenzo(a,h)anthracene	6/16/2009	99	No	N	U	R	R	22	99	42	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Dibenzofuran	6/16/2009	99	No	N	U	R	R	22	99	37	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Diethyl phthalate	6/16/2009	99	No	N	U	R	R	22	99	81	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Dimethyl phthalate	6/16/2009	99	No	N	U	R	R	22	99	38	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Di-n-butyl phthalate	6/16/2009	99	No	N	U	R	R	22	99	61	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Di-n-octyl phthalate	6/16/2009	99	No	N	U	R	R	22	99	41	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Fluoranthene	6/16/2009	160	No	Y	N	R	R	22	99	39	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Fluorene	6/16/2009	99	No	N	U	R	R	22	99	44	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Hexachlorobenzene	6/16/2009	99	No	N	U	R	R	22	99	40	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Hexachlorobutadiene	6/16/2009	99	No	N	U	R	R	22	99	40	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Indeno(1,2,3-c,d)pyrene	6/16/2009	99	No	N	U	R	R	22	99	43	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Naphthalene	6/16/2009	99	No	N	U	R	R	22	99	43	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	N-Nitrosodiphenylamine	6/16/2009	99	No	N	U	R	R	22	99	43	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Pentachlorophenol	6/16/2009	490	No	N	U	R	R	22	490	240	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Phenanthrene	6/16/2009	99	No	N	U	R	R	22	99	42	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Phenol	6/16/2009	99	No	N	U	R	R	22	99	68	ug/kg
BW-11-SS-090602	09-12552-PB06KDL	Pyrene	6/16/2009	89	No	Y	J	R	R	22	99	38	ug/kg
BW-53-SS-090602	09-12554-PB06M	1,2,4-Trichlorobenzene	6/12/2009	19	Yes	N	U				19	8.8	ug/kg
BW-53-SS-090602	09-12554-PB06M	1,2-Dichlorobenzene	6/12/2009	19	Yes	N	U				19	7.7	ug/kg
BW-53-SS-090602	09-12554-PB06M	1,3-Dichlorobenzene	6/12/2009	19	Yes	N	U				19	7.2	ug/kg
BW-53-SS-090602	09-12554-PB06M	1,4-Dichlorobenzene	6/12/2009	19	Yes	N	U				19	7.2	ug/kg
BW-53-SS-090602	09-12554-PB06M	1-Methylnaphthalene	6/12/2009	19	Yes	N	U				19	7.0	ug/kg
BW-53-SS-090602	09-12554-PB06M	2,4-Dimethylphenol	6/12/2009	19	Yes	N	U				19	14	ug/kg
BW-53-SS-090602	09-12554-PB06M	2-Methylnaphthalene	6/12/2009	19	Yes	N	U				19	8.0	ug/kg

SDG: PB06

Analytical Method	SW8270D	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MIL	Units
Sample ID	Lab Sample ID												
BW-53-SS-090602	09-12554-PB06M	2-Methylphenol (o-Cresol)	6/12/2009	19	Yes	N	N	U			19	14	ug/kg
BW-53-SS-090602	09-12554-PB06M	4-Methylphenol (p-Cresol)	6/12/2009	19	Yes	N	N	U			19	12	ug/kg
BW-53-SS-090602	09-12554-PB06M	Acenaphthene	6/12/2009	19	Yes	N	N	U			19	8.0	ug/kg
BW-53-SS-090602	09-12554-PB06M	Acenaphthylene	6/12/2009	19	Yes	N	N	U			19	8.4	ug/kg
BW-53-SS-090602	09-12554-PB06M	Anthracene	6/12/2009	11	Yes	Y	Y	J			19	7.5	ug/kg
BW-53-SS-090602	09-12554-PB06M	Benzo(a)anthracene	6/12/2009	24	Yes	Y	Y				19	5.8	ug/kg
BW-53-SS-090602	09-12554-PB06M	Benzo(a)pyrene	6/12/2009	18	Yes	Y	Y	J			19	7.9	ug/kg
BW-53-SS-090602	09-12554-PB06M	Benzo(b)fluoranthene	6/12/2009	27	Yes	Y	Y	J			19	9.3	ug/kg
BW-53-SS-090602	09-12554-PB06M	Benzo(g,h,i)perylene	6/12/2009	19	Yes	N	N	U	U		19	6.6	ug/kg
BW-53-SS-090602	09-12554-PB06M	Benzo(k)fluoranthene	6/12/2009	27	Yes	Y	Y	J			19	9.0	ug/kg
BW-53-SS-090602	09-12554-PB06M	Benzoic acid	6/12/2009	190	Yes	N	N	U			190	110	ug/kg
BW-53-SS-090602	09-12554-PB06M	Benzyl alcohol	6/12/2009	19	Yes	N	N	U			19	14	ug/kg
BW-53-SS-090602	09-12554-PB06M	Bis(2-ethylhexyl) phthalate	6/12/2009	22	Yes	Y	Y				19	11	ug/kg
BW-53-SS-090602	09-12554-PB06M	Butylbenzyl phthalate	6/12/2009	19	Yes	N	N	U			19	11	ug/kg
BW-53-SS-090602	09-12554-PB06M	Chrysene	6/12/2009	58	Yes	Y	Y				19	6.5	ug/kg
BW-53-SS-090602	09-12554-PB06M	Dibenzo(a,h)anthracene	6/12/2009	19	Yes	N	N	U			19	8.3	ug/kg
BW-53-SS-090602	09-12554-PB06M	Dibenzofuran	6/12/2009	19	Yes	N	N	U			19	7.3	ug/kg
BW-53-SS-090602	09-12554-PB06M	Diethyl phthalate	6/12/2009	19	Yes	N	N	U			19	16	ug/kg
BW-53-SS-090602	09-12554-PB06M	Dimethyl phthalate	6/12/2009	19	Yes	N	N	U			19	7.5	ug/kg
BW-53-SS-090602	09-12554-PB06M	Di-n-butyl phthalate	6/12/2009	19	Yes	N	N	U			19	12	ug/kg
BW-53-SS-090602	09-12554-PB06M	Di-n-octyl phthalate	6/12/2009	19	Yes	N	N	U			19	8.1	ug/kg
BW-53-SS-090602	09-12554-PB06M	Fluoranthene	6/12/2009	66	Yes	Y	Y				19	7.7	ug/kg
BW-53-SS-090602	09-12554-PB06M	Fluorene	6/12/2009	19	Yes	N	N	U			19	8.7	ug/kg
BW-53-SS-090602	09-12554-PB06M	Hexachlorobenzene	6/12/2009	19	Yes	N	N	U			19	7.8	ug/kg
BW-53-SS-090602	09-12554-PB06M	Hexachlorobutadiene	6/12/2009	19	Yes	N	N	U			19	7.9	ug/kg

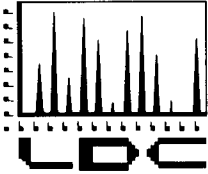
SDG: PB06

Analytical Method	SW8270D	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-53-SS-090602	09-12554-PB06M	Indeno(1,2,3-c,d)pyrene	6/12/2009	19	Yes	N	N	U			19	8.4	ug/kg
BW-53-SS-090602	09-12554-PB06M	Naphthalene	6/12/2009	19	Yes	N	N	U			19	8.4	ug/kg
BW-53-SS-090602	09-12554-PB06M	N-Nitrosodiphenylamine	6/12/2009	19	Yes	N	N	U	UJ	5	19	8.4	ug/kg
BW-53-SS-090602	09-12554-PB06M	Pentachlorophenol	6/12/2009	97	Yes	N	N	U			97	46	ug/kg
BW-53-SS-090602	09-12554-PB06M	Phenanthrene	6/12/2009	15	Yes	Y	J	U			19	8.2	ug/kg
BW-53-SS-090602	09-12554-PB06M	Phenol	6/12/2009	19	Yes	N	N	U			19	13	ug/kg
BW-53-SS-090602	09-12554-PB06M	Pyrene	6/12/2009	36	Yes	Y	Y				19	7.5	ug/kg
Analytical Method	SW8270DSIM												
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SS-090602	09-12542-PB06A	1,2,4-Trichlorobenzene	6/15/2009	6.1	Yes	N	N	U			6.1	2.0	ug/kg
BW-01-SS-090602	09-12542-PB06A	1,2-Dichlorobenzene	6/15/2009	6.1	Yes	N	N	U			6.1	1.2	ug/kg
BW-01-SS-090602	09-12542-PB06A	1,4-Dichlorobenzene	6/15/2009	6.1	Yes	N	N	U			6.1	2.0	ug/kg
BW-01-SS-090602	09-12542-PB06A	2,4-Dimethylphenol	6/15/2009	6.1	Yes	N	N	U	UJ	10	6.1	3.5	ug/kg
BW-01-SS-090602	09-12542-PB06A	2-Methylphenol (o-Cresol)	6/15/2009	6.1	Yes	N	N	U			6.1	3.1	ug/kg
BW-01-SS-090602	09-12542-PB06A	Benzyl alcohol	6/15/2009	30	Yes	N	N	U	UJ	5	30	14	ug/kg
BW-01-SS-090602	09-12542-PB06A	Butylbenzyl phthalate	6/15/2009	15	Yes	N	N	U			15	3.7	ug/kg
BW-01-SS-090602	09-12542-PB06A	Dibenz(a,h)anthracene	6/15/2009	6.1	Yes	N	N	U	UJ	5	6.1	2.7	ug/kg
BW-01-SS-090602	09-12542-PB06A	Hexachlorobenzene	6/15/2009	6.1	Yes	N	N	U			6.1	1.8	ug/kg
BW-01-SS-090602	09-12542-PB06A	Hexachlorobutadiene	6/15/2009	6.1	Yes	N	N	U			6.1	2.6	ug/kg
BW-01-SS-090602	09-12542-PB06A	N-Nitrosodiphenylamine	6/15/2009	6.1	Yes	N	N	U			6.1	2.8	ug/kg
BW-01-SS-090602	09-12542-PB06A	Pentachlorophenol	6/15/2009	30	Yes	N	N	U			30	12	ug/kg
BW-03-SS-090602	09-12544-PB06C	1,2,4-Trichlorobenzene	6/15/2009	6.1	Yes	N	N	U			6.1	2.0	ug/kg
BW-03-SS-090602	09-12544-PB06C	1,2-Dichlorobenzene	6/15/2009	6.1	Yes	N	N	U			6.1	1.2	ug/kg
BW-03-SS-090602	09-12544-PB06C	1,4-Dichlorobenzene	6/15/2009	6.1	Yes	N	N	U			6.1	2.0	ug/kg
BW-03-SS-090602	09-12544-PB06C	2,4-Dimethylphenol	6/15/2009	6.1	Yes	N	N	U	UJ	10	6.1	3.5	ug/kg

SDG: PB06

Analytical Method	SW8270DSIM	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MOL	Units
Sample ID	Lab Sample ID												
BW-09-SS-090602	09-12550-PB06I	Benzyl alcohol	6/15/2009	30	Yes	N	U	UJ	5	30	14	ug/kg	
BW-09-SS-090602	09-12550-PB06I	Butylbenzyl phthalate	6/15/2009	15	Yes	N	U				15	3.6	ug/kg
BW-09-SS-090602	09-12550-PB06I	Dibenzo(a,h)anthracene	6/15/2009	7.2	Yes	Y		J	5	6.0	2.7	ug/kg	
BW-09-SS-090602	09-12550-PB06I	Hexachlorobenzene	6/15/2009	6	Yes	N	U				6.0	1.8	ug/kg
BW-09-SS-090602	09-12550-PB06I	Hexachlorobutadiene	6/15/2009	6	Yes	N	U				6.0	2.6	ug/kg
BW-09-SS-090602	09-12550-PB06I	N-Nitrosodiphenylamine	6/15/2009	6	Yes	N	U				6.0	2.8	ug/kg
BW-09-SS-090602	09-12550-PB06I	Pentachlorophenol	6/15/2009	30	Yes	N	U				30	12	ug/kg
BW-11-SS-090602	09-12552-PB06K	1,2,4-Trichlorobenzene	6/15/2009	6	Yes	N	U				6.0	2.0	ug/kg
BW-11-SS-090602	09-12552-PB06K	1,2-Dichlorobenzene	6/15/2009	6	Yes	N	U				6.0	2.0	ug/kg
BW-11-SS-090602	09-12552-PB06K	1,4-Dichlorobenzene	6/15/2009	6	Yes	N	U				6.0	1.2	ug/kg
BW-11-SS-090602	09-12552-PB06K	2,4-Dichlorobenzene	6/15/2009	6	Yes	N	U				6.0	2.0	ug/kg
BW-11-SS-090602	09-12552-PB06K	2,4-Dimethylphenol	6/15/2009	6	Yes	N	U	UJ	10	6.0	3.5	ug/kg	
BW-11-SS-090602	09-12552-PB06K	2-Methylphenol (o-Cresol)	6/15/2009	6	Yes	N	U				6.0	3.0	ug/kg
BW-11-SS-090602	09-12552-PB06K	Benzyl alcohol	6/15/2009	30	Yes	N	U	UJ	5	30	14	ug/kg	
BW-11-SS-090602	09-12552-PB06K	Butylbenzyl phthalate	6/15/2009	15	Yes	N	U				15	3.6	ug/kg
BW-11-SS-090602	09-12552-PB06K	Dibenzo(a,h)anthracene	6/15/2009	6	Yes	N	U	UJ	5.19	6.0	2.7	ug/kg	
BW-11-SS-090602	09-12552-PB06K	Hexachlorobenzene	6/15/2009	6	Yes	N	U				6.0	1.8	ug/kg
BW-11-SS-090602	09-12552-PB06K	Hexachlorobutadiene	6/15/2009	6	Yes	N	U				6.0	2.6	ug/kg
BW-11-SS-090602	09-12552-PB06K	N-Nitrosodiphenylamine	6/15/2009	6	Yes	N	U				6.0	2.8	ug/kg
BW-11-SS-090602	09-12552-PB06K	Pentachlorophenol	6/15/2009	30	Yes	N	U				30	12	ug/kg
BW-53-SS-090602	09-12554-PB06M	1,2,4-Trichlorobenzene	6/15/2009	6.1	Yes	N	U				6.1	2.0	ug/kg
BW-53-SS-090602	09-12554-PB06M	1,2-Dichlorobenzene	6/15/2009	6.1	Yes	N	U				6.1	1.2	ug/kg
BW-53-SS-090602	09-12554-PB06M	1,4-Dichlorobenzene	6/15/2009	6.1	Yes	N	U				6.1	2.0	ug/kg
BW-53-SS-090602	09-12554-PB06M	2,4-Dimethylphenol	6/15/2009	6.1	Yes	N	U	UJ	10	6.1	3.5	ug/kg	
BW-53-SS-090602	09-12554-PB06M	2-Methylphenol (o-Cresol)	6/15/2009	6.1	Yes	N	U				6.1	3.1	ug/kg
BW-53-SS-090602	09-12554-PB06M	Benzyl alcohol	6/15/2009	30	Yes	N	U	UJ	5	30	14	ug/kg	

Analytical Method	SW8270DSIM																		
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MML	Units						
BW-53-SS-090602	09-12554-PB06M	Butylbenzyl phthalate	6/15/2009	15	Yes	N	U				15	3.6	ug/kg						
BW-53-SS-090602	09-12554-PB06M	Dibenzo(a,h)anthracene	6/15/2009	6.1	Yes	N	U	UJ	5		6.1	2.7	ug/kg						
BW-53-SS-090602	09-12554-PB06M	Hexachlorobenzene	6/15/2009	6.1	Yes	N	U				6.1	1.8	ug/kg						
BW-53-SS-090602	09-12554-PB06M	Hexachlorobutadiene	6/15/2009	6.1	Yes	N	U				6.1	2.6	ug/kg						
BW-53-SS-090602	09-12554-PB06M	N-Nitrosodiphenylamine	6/15/2009	6.1	Yes	N	U				6.1	2.8	ug/kg						
BW-53-SS-090602	09-12554-PB06M	Pentachlorophenol	6/15/2009	30	Yes	N	U				30	12	ug/kg						



LABORATORY DATA CONSULTANTS, INC.

7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Anchor QEA, LLC
1423 3rd Avenue, Suite 300
Seattle, WA 98101-2226
ATTN: Ms. Joy Dunay

July 23, 2009

SUBJECT: Bay Wood Products, Data Validation

Dear Ms. Dunay,

Enclosed is the final validation report for the fractions listed below. This SDG was received on July 2, 2009. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 21108:

SDG # Fraction

PB71 Wet Chemistry

The data validation was performed under EPA Level III guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, October 2004
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; Update IV, February 2007

Please feel free to contact us if you have any questions.

Sincerely,

Stella S. Cuenco
Data Validation Operations Manager/Senior Chemist

**Bay Wood Products
Data Validation Reports
LDC# 21108**

Wet Chemistry

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: June 2, 2009
LDC Report Date: July 14, 2009
Matrix: Water
Parameters: Wet Chemistry
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.
Sample Delivery Group (SDG): PB71

Sample Identification

BW-01-SS-090602
BW-02-SS-090602
BW-03-SS-090602
BW-04-SS-090602
BW-05-SS-090602
BW-06-SS-090602
BW-07-SS-090602
BW-08-SS-090602
BW-09-SS-090602
BW-10-SS-090602
BW-11-SS-090602
BW-12-SS-090602
BW-53-SS-090602
BW-54-SS-090602
BW-01-SS-090602MS
BW-01-SS-090602DUP

Introduction

This data review covers 16 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 350.1 for Ammonia as Nitrogen and EPA Method 376.2 for Sulfide.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the initial, continuing and preparation blanks.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) analyses were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Duplicates

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

VII. Sample Result Verification

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the Level III data validation all results are considered valid and usable for all purposes.

IX. Field Duplicates

Samples BW-03-SS-090602 and BW-53-SS-090602 and samples BW-04-SS-090602 and BW-54-SS-090602 were identified as field duplicates. No contaminant concentrations were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD
	BW-03-SS-090602	BW-53-SS-090602	
Ammonia as N	1.93	1.61	18

Analyte	Concentration (mg/L)		RPD
	BW-04-SS-090602	BW-54-SS-090602	
Ammonia as N	1.84	1.70	8

X. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Wet Chemistry - Data Qualification Summary - SDG PB71**

No Sample Data Qualified in this SDG

**Bay Wood Products
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG PB71**

No Sample Data Qualified in this SDG

LDC #: 21108A6

VALIDATION COMPLETENESS WORKSHEET

SDG #: PB71

Level III

Laboratory: Analytical Resources, Inc.

Date: 7/10/09

Page: (of 1)

Reviewer: [Signature]

2nd Reviewer: A

METHOD: (Analyte) Ammonia-N (EPA Method 350.1), Sulfide (EPA Method 376.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 6/9/09 6/2/09
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	A	
IV	Matrix Spike/Matrix Spike Duplicates	A	3 MS/Dup
V	Duplicates	A	
VI.	Laboratory control samples	A	LCs
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	(3,13), (4,14)
X	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: A2

1	BW-01-SS-090602	11	BW-11-SS-090602	21	MS	31	
2	BW-02-SS-090602	12	BW-12-SS-090602	22		32	
3	BW-03-SS-090602	13	BW-53-SS-090602	23		33	
4	BW-04-SS-090602	14	BW-54-SS-090602	24		34	
5	BW-05-SS-090602	15	BW-01-SS-090602MS	25		35	
6	BW-06-SS-090602	16	BW-01-SS-090602DUP	26		36	
7	BW-07-SS-090602	17		27		37	
8	BW-08-SS-090602	18		28		38	
9	BW-09-SS-090602	19		29		39	
10	BW-10-SS-090602	20		30		40	

Notes: _____

LDC# 21108A6
SDG# See Cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]

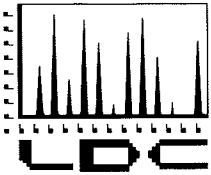
Inorganics, Method See Cover

- Y N NA Were field duplicate pairs identified in this SDG?
Y N NA Were target analytes detected in the field duplicate pairs?

Analyte	Concentration (mg/L)		RPD	
	3	13		
Ammonia as N	1.93	1.61	18	

Analyte	Concentration (mg/L)		RPD	
	4	14		
Ammonia as N	1.84	1.70	8	

V:\FIELD DUPLICATES\FD_inorganic\21108A6.wpd



LABORATORY DATA CONSULTANTS, INC.

7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Anchor QEA, LLC
1423 3rd Avenue, Suite 300
Seattle, WA 98101-2226
ATTN: Ms. Joy Dunay

February 9, 2010

SUBJECT: Bay Wood Products, Data Validation

Dear Ms. Dunay,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on January 18, 2010. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 22445:

<u>SDG #</u>	<u>Fraction</u>
QC26, QC27	Wet Chemistry, Volatile Petroleum Hydrocarbons, Extractable
QC29, QC83	Petroleum Hydrocarbons

The data validation was performed under EPA Level III guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008
- USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, October 2004
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; Update IV, February 2007

Please feel free to contact us if you have any questions.

Sincerely,

Stella S. Cuenco
Data Validation Operations Manager/Senior Chemist

**Bay Wood Products
Data Validation Reports
LDC #22445**

Wet Chemistry

LDC

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: December 18, 2009
LDC Report Date: February 2, 2010
Matrix: Sediment
Parameters: Wet Chemistry
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.
Sample Delivery Group (SDG): QC26

Sample Identification

BW-05-SS-091218
BW-01-SS-091218
BW-04-SS-091218
BW-51-SS-091218
BW-07-SS-091218
BW-11-SS-091218
BW-05-SS-091218MS
BW-05-SS-091218DUP
BW-05-SS-091218TRP

Introduction

This data review covers 9 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 350.1 for Ammonia as Nitrogen, EPA Method 376.2 for Sulfide, PSEP Method for Particle Size, Plumb Method for Total Organic Carbon, EPA Method 160.3 for Total Solids and Preserved Total Solids, and ASTM D2974 for Organic Matter.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the initial, continuing and preparation blanks with the following exceptions:

Sample	Analyte	Finding	Criteria	Flag	A or P
BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-07-SS-091218 BW-11-SS-091218	Ammonia as N	More than twenty samples were associated to the method blank.	No more than twenty samples should be associated to the method blank.	None	P

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) analyses were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Duplicates/Triplicates

Duplicate (DUP) and Triplicate (TRP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits with the following exceptions:

DUP ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
BW-05-SS-091218DUP (BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-07-SS-091218 BW-11-SS-091218)	Sulfide	37.2 (≤20)	J (all detects) UJ (all non-detects)	A

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

Sample	Analyte	Finding	Criteria	Flag	A or P
BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-07-SS-091218 BW-11-SS-091218	Ammonia as N	More than twenty samples were associated to the laboratory control sample.	No more than twenty samples should be associated to the laboratory control sample.	None	P

VII. Sample Result Verification

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due DUP sample RPD problems, sulfide results were qualified as estimated in five samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Level III data validation all other results are considered valid and usable for all purposes.

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

Samples BW-01-SS-091218 and BW-51-SS-091218 were identified as field duplicates. No contaminant concentrations were detected in any of the samples with the following exceptions:

Analyte	Concentration (%)		RPD
	BW-01-SS-091218	BW-51-SS-091218	
Total solids	43.80	43.80	0
Total organic carbon	2.55	2.18	16
Organic matter	7.99	7.80	2

Analyte	Percent Finer		RPD
	BW-01-SS-091218	BW-51-SS-091218	
1000 um	99.8	99.0	1
500 um	99.2	97.8	1
250 um	98.6	96.6	2
125 um	98.3	95.9	2
63 um	97.8	95.1	3

X. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Wet Chemistry - Data Qualification Summary - SDG QC26**

SDG	Sample	Analyte	Flag	A or P	Reason
QC26	BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-07-SS-091218 BW-11-SS-091218	Ammonia as N	None	P	Laboratory blanks
QC26	BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-07-SS-091218 BW-11-SS-091218	Sulfide	J (all detects) UJ (all non-detects)	A	Duplicate analyses (RPD)
QC26	BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-07-SS-091218 BW-11-SS-091218	Ammonia as N	None	P	Laboratory control samples

**Bay Wood Products
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG QC26**

No Sample Data Qualified in this SDG

LDC #: 22445A6

VALIDATION COMPLETENESS WORKSHEET

Date: 1-28-10

SDG #: QC26

Level III

Page: 1 of 1

Laboratory: Analytical Resources, Inc.

Reviewer: CR

2nd Reviewer: W

METHOD: (Analyte) Ammonia-N (EPA Method 350.1), Sulfide (EPA Method 376.2), Particle Size (PSEP), Total Organic Carbon (Plumb 1981), Total Solids and Preserved Total Solids(EPA Method 160.3), Organic Matter (ASTM D2974)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 12/18/09
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	SW	
IV	Matrix Spike/Matrix Spike Duplicates	A	MS
V	Duplicates / Triplicate	SW	Dup, Trip
VI.	Laboratory control samples	SW	LCS
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	(2,4)
X	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: Sediment

1	BW-05-SS-091218	11	POS	21		31	
2	BW-01-SS-091218	12		22		32	
3	BW-04-SS-091218	13		23		33	
4	BW-51-SS-091218	14		24		34	
5	BW-07-SS-091218	15		25		35	
6	BW-11-SS-091218	16		26		36	
7	BW-05-SS-091218MS	17		27		37	
8	BW-05-SS-091218MSD	18		28		38	
9	BW-05-SS-091218DUP	19		29		39	
10	BW-05-SS-091218TR/P	20		30		40	

Notes: _____

LDC# 22445A6
 SDG#: See Cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
 Reviewer: [Signature]
 2nd Reviewer: [Signature]

Inorganics, Method See Cover

Y N NA Were field duplicate pairs identified in this SDG?
 Y N NA Were target analytes detected in the field duplicate pairs?

Analyte	Concentration (%)		RPD	
	2	4		
Total Solids	43.80	43.80	0	
Total Organic Carbon	2.55	2.18	16	
Organic Matter	7.99	7.80	2	

V:\FIELD DUPLICATES\FD_inorganic\22445A6wpd.wpd

Particle Size	Percent Finer		RPD	
	2	4		
1000 um	99.8	99.0	1	
500 um	99.2	97.8	1	
250 um	98.6	96.6	2	
125 um	98.3	95.9	2	
63 um	97.8	95.1	3	

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: January 5, 2010
LDC Report Date: February 4, 2010
Matrix: Sediment
Parameters: Particle Size
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.
Sample Delivery Group (SDG): QE27

Sample Identification

CR-Ref 22%fines
CR-Ref 95%fines
CR-Ref 95%finesDUP
CR-Ref 95%finesTRP

Introduction

This data review covers 4 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per PSEP Method for Particle Size.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable.

III. Blanks

Method blank review was not required by the method.

IV. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

V. Duplicates/Triplicates

Duplicate (DUP) and Triplicate (TRP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VI. Laboratory Control Samples

Laboratory control samples (LCS) were not required by the method.

VII. Sample Result Verification

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the Level III data validation all results are considered valid and usable for all purposes.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Particle Size - Data Qualification Summary - SDG QE27**

No Sample Data Qualified in this SDG

**Bay Wood Products
Particle Size - Laboratory Blank Data Qualification Summary - SDG QE27**

No Sample Data Qualified in this SDG

LDC #: 22445B6

VALIDATION COMPLETENESS WORKSHEET

Date: 1-28-10

SDG #: Q627

Level III

Page: 1 of 1

Laboratory: Analytical Resources, Inc.

Reviewer: CR

2nd Reviewer: W

METHOD: (Analyte) Particle Size (PSEP)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 1/5/10
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	N	Not required for method
IV	Matrix Spike/Matrix Spike Duplicates	N	Client specified
V	Duplicates <i>Triplicates</i>	A	DUP, TRIP
VI.	Laboratory control samples	N	Not required for method
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X	Field blanks	N	

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet

ND = No compounds detected
 R = Rinsate
 FB = Field blank

D = Duplicate
 TB = Trip blank
 EB = Equipment blank

Validated Samples: *sediment*

1	CR-Ref 22% fines	11		21		31	
2	CR-Ref 95% fines	12		22		32	
3	CR-Ref 95% fines DUP	13		23		33	
4	CR-Ref 95% fines TR/P	14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes: _____

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: December 18, 2009
LDC Report Date: February 8, 2010
Matrix: Sediment
Parameters: Wet Chemistry
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.
Sample Delivery Group (SDG): QC29

Sample Identification

BW-04-SC-B-091218
BW-04-SC-C-091218
BW-01-SC-A-091218
BW-01-SC-B-091218
BW-11-SC-A-091218
BW-11-SC-B-091218
BW-07-SC-B-091218
BW-07-SC-C-091218
BW-05-SC-A-091218
BW-05-SC-B-091218
BW-55-SC-A-091218

Introduction

This data review covers 11 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 350.1 for Ammonia as Nitrogen, EPA Method 376.2 for Sulfide, PSEP Method for Particle Size, Plumb Method for Total Organic Carbon, EPA Method 160.3 for Total Solids and Preserved Total Solids, and ASTM D2974 for Organic Matter.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the initial, continuing and preparation blanks with the following exceptions:

Sample	Analyte	Finding	Criteria	Flag	A or P
All samples in SDG QC29	Ammonia as N	More than twenty samples were associated to the method blank.	No more than twenty samples should be associated to the method blank.	None	P

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) analyses were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Duplicates/Triplicates

Duplicate (DUP) and Triplicate (TRP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits with the following exceptions:

DUP ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
BW-05-SS-091218DUP (BW-04-SC-B-091218 BW-04-SC-C-091218 BW-01-SC-A-091218 BW-01-SC-B-091218 BW-11-SC-A-091218 BW-11-SC-B-091218 BW-07-SC-B-091218 BW-07-SC-C-091218 BW-05-SC-A-091218 BW-05-SC-B-091218)	Sulfide	37.2 (≤ 20)	J (all detects) UJ (all non-detects)	A

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Sample	Analyte	Finding	Criteria	Flag	A or P
All samples in SDG QC29	Ammonia as N	More than twenty samples were associated to the laboratory control sample.	No more than twenty samples should be associated to the laboratory control sample.	None	P

VII. Sample Result Verification

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due DUP sample RPD problems, sulfide results were qualified as estimated in eleven samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Level III data validation all other results are considered valid and usable for all purposes.

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

Samples BW-05-SC-A-091218 and BW-55-SC-A-091218 were identified as field duplicates. No contaminant concentrations were detected in any of the samples with the following exceptions:

Analyte	Concentration (%)		RPD
	BW-05-SC-A-091218	BW-55-SC-A-091218	
Total solids	59.60	57.70	3
Total organic carbon	4.47	4.82	8
Organic matter	13.93	14.29	3

Analyte	Concentration (mg/Kg)		RPD
	BW-05-SC-A-091218	BW-55-SC-A-091218	
Ammonia as N	18.3	18.3	0

Analyte	Percent Finer		RPD
	BW-01-SS-091218	BW-51-SS-091218	
4750 um	99.0	99.0	0
2000um	97.3	97.6	0
1000 um	94.9	95.0	0
500 um	88.1	87.8	0
250 um	67.5	66.4	2
125 um	57.1	55.4	3
63 um	46.3	44.6	4

X. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Wet Chemistry - Data Qualification Summary - SDG QC29**

SDG	Sample	Analyte	Flag	A or P	Reason
QC29	BW-04-SC-B-091218 BW-04-SC-C-091218 BW-01-SC-A-091218 BW-01-SC-B-091218 BW-11-SC-A-091218 BW-11-SC-B-091218 BW-07-SC-B-091218 BW-07-SC-C-091218 BW-05-SC-A-091218 BW-05-SC-B-091218 BW-55-SC-A-091218	Ammonia as N	None	P	Laboratory blanks
QC29	BW-04-SC-B-091218 BW-04-SC-C-091218 BW-01-SC-A-091218 BW-01-SC-B-091218 BW-11-SC-A-091218 BW-11-SC-B-091218 BW-07-SC-B-091218 BW-07-SC-C-091218 BW-05-SC-A-091218 BW-05-SC-B-091218	Sulfide	J (all detects) UJ (all non-detects)	A	Duplicate analyses (RPD)
QC29	BW-04-SC-B-091218 BW-04-SC-C-091218 BW-01-SC-A-091218 BW-01-SC-B-091218 BW-11-SC-A-091218 BW-11-SC-B-091218 BW-07-SC-B-091218 BW-07-SC-C-091218 BW-05-SC-A-091218 BW-05-SC-B-091218 BW-55-SC-A-091218	Ammonia as N	None	P	Laboratory control samples

**Bay Wood Products
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG QC29**

No Sample Data Qualified in this SDG

LDC #: 22445C6

VALIDATION COMPLETENESS WORKSHEET

Date: 1-28-10

SDG #: QC29

Level III

Page: 1 of 1

Laboratory: Analytical Resources, Inc.

Reviewer: CE2nd Reviewer: W

METHOD: (Analyte) Ammonia-N (EPA Method 350.1), Sulfide (EPA Method 376.2), Particle Size (PSEP), Total Organic Carbon (Plumb 1981), Total Solids and Preserved Total Solids(EPA Method 160.3), Organic Matter (ASTM D2974)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 12/18/09
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	SW	
IV.	Matrix Spike/Matrix Spike Duplicates	NA	Client specified MS(SD6 & QC26)
V.	Duplicates (Triplicates)	SW	EB D.P.T.P ↓
VI.	Laboratory control samples	SW	LCS/D
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	(9,11)
X.	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinstate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:

Sediment

1	BW-04-SC-B-091218	11	BW-55- ^{SC-} A-091218	21	FBS	31	
2	BW-04-SC-C-091218	12		22		32	
3	BW-01-SC-A-091218	13		23		33	
4	BW-01-SC-B-091218	14		24		34	
5	BW-11-SC-A-091218	15		25		35	
6	BW-11-SC-B-091218	16		26		36	
7	BW-07-SC-B-091218	17		27		37	
8	BW-07-SC-C-091218	18		28		38	
9	BW-05-SC-A-091218	19		29		39	
10	BW-05-SC-B-091218	20		30		40	

Notes: _____

LDC #: 2244506
 SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Sample Specific Analysis Reference

Page: 1 of 1
 Reviewer: CR
 2nd reviewer: R

All circled methods are applicable to each sample.

Sample ID	Parameter
1-10	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' (NH ₃) TKN (TOC) CR ⁰⁺ TS (S) Particle Size Organic Matter
11	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' (NH ₃) TKN (TOC) CR ⁰⁺ TS Particle Size Organic Matter
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁰⁺ _____

Comments: _____

LDC #: 224466
 SDG #: Q29

VALIDATION FINDINGS WORKSHEET
Blanks

METHOD: Inorganics, Method sewer

Page: 1 of 1
 Reviewer: CR
 2nd Reviewer: W

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
 N N/A Were all samples associated with a given method blank?
 N N/A Were any inorganic contaminants detected above the reporting limit in the method blanks? If yes, please see qualifications below.

Conc. units: _____ Associated Samples: All

Analyte	Blank ID	Maximum ICB/CCB	Blank Action Limit	Sample Identification																					
NH ₃ -N		more than 20 samples in batch associated with prep blank																							

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
 All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC# 22445A6
 SDG#: See Cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
 Reviewer: CR
 2nd Reviewer: [Signature]

Inorganics, Method See Cover

Y N NA Were field duplicate pairs identified in this SDG?
Y N NA Were target analytes detected in the field duplicate pairs?

Analyte	Concentration (%)		RPD	
	9	11		
Total Solids	59.60	57.70	3	
Total Organic Carbon	4.47	4.82	8	
Ammonia as N (mg/Kg)	18.3	18.3	0	
Organic Matter	13.93	14.29	3	

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Particle Size	Percent Finer		RPD	
	9	11		
4750 um	99.0	99.0	0	
2000um	97.3	97.6	0	
1000 um	94.9	95.0	0	
500 um	88.1	87.8	0	
250 um	67.5	66.4	2	
125 um	57.1	55.4	3	
63 um	46.3	44.6	4	

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: December 18, 2009
LDC Report Date: February 1, 2010
Matrix: Sediment
Parameters: Ammonia as Nitrogen & Sulfide
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.

Sample Delivery Group (SDG): QC83

Sample Identification

BW-04-SC-B-091218
BW-01-SC-A-091218
BW-01-SC-B-091218
BW-11-SC-A-091218
BW-11-SC-B-091218
BW-07-SC-B-091218
BW-07-SC-C-091218
BW-05-SC-A-091218
BW-05-SC-B-091218
BW-55-SC-A-091218
BW-01-SC-A-091218MS
BW-01-SC-A-091218DUP

Introduction

This data review covers 12 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 350.1 for Ammonia as Nitrogen and EPA Method 376.2 for Sulfide.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No ammonia as nitrogen or sulfide contaminants were found in the initial, continuing and preparation blanks.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) analyses were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Duplicates

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Relative percent differences (RPD) were within QC limits.

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VII. Sample Result Verification

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the Level III data validation all results are considered valid and usable for all purposes.

IX. Field Duplicates

Samples BW-05-SC-A-091218 and BW-55-SC-A-091218 were identified as field duplicates. No ammonia as nitrogen or sulfide was detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD
	BW-05-SC-A-091218	BW-55-SC-A-091218	
Ammonia as N	11.6	11.8	2

X. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Ammonia as Nitrogen & Sulfide - Data Qualification Summary - SDG QC83**

No Sample Data Qualified in this SDG

**Bay Wood Products
Ammonia as Nitrogen & Sulfide - Laboratory Blank Data Qualification Summary -
SDG QC83**

No Sample Data Qualified in this SDG

LDC #: 22445D6

VALIDATION COMPLETENESS WORKSHEET

SDG #: QC83

Level III

Laboratory: Analytical Resources, Inc.

Date: 1-28-10

Page: 1 of 1

Reviewer: CR

2nd Reviewer: ✓

METHOD: (Analyte) Ammonia-N (EPA Method 350.1), Sulfide (EPA Method 376.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 12/23/09 12/18/09
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	A	
IV	Matrix Spike/Matrix Spike Duplicates	A	MS
V	Duplicates	A	DUP
VI.	Laboratory control samples	A	LCS/D
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	(8,10)
X	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:

sediment

1	BW-04-SC-B-091218	11	BW-01-SC-A-091218MS	21	MS	31	
2	BW-01-SC-A-091218	12	BW-01-SC-A-091218MSD	22		32	
3	BW-01-SC-B-091218	13	BW-01-SC-A-091218DUP	23		33	
4	BW-11-SC-A-091218	14		24		34	
5	BW-11-SC-B-091218	15		25		35	
6	BW-07-SC-B-091218	16		26		36	
7	BW-07-SC-C-091218	17		27		37	
8	BW-05-SC-A-091218	18		28		38	
9	BW-05-SC-B-091218	19		29		39	
10	BW-55-SC-A-091218	20		30		40	

Notes:

prewater extractions

LDC# 22445D6
SDG#: See Cover

VALIDATION FINDINGS WORKSHEET

Field Duplicates

Page: 1 of 1
Reviewer: CR
2nd Reviewer: W

Inorganics, Method See Cover

Y N NA
Y N NA

Were field duplicate pairs identified in this SDG?

Were target analytes detected in the field duplicate pairs?

Analyte	Concentration (mg/L)		RPD	
	8	10		
Ammonia as N	11.6	11.8	2	

V:\FIELD DUPLICATES\FD_inorganic\22445D6wpd.wpd

**Bay Wood Products
Data Validation Reports
LDC #22445**

Volatile Petroleum Hydrocarbons

LDC

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: December 18, 2009
LDC Report Date: February 8, 2010
Matrix: Sediment
Parameters: Volatile Petroleum Hydrocarbons
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.

Sample Delivery Group (SDG): QC26

Sample Identification

BW-05-SS-091218
BW-01-SS-091218
BW-04-SS-091218
BW-04-SS-091218RE
BW-51-SS-091218
BW-51-SS-091218RE
BW-07-SS-091218
BW-11-SS-091218
BW-11-SS-091218RE
BW-05-SS-091218MS
BW-05-SS-091218MSD
BW-05-SS-091218DUP

Introduction

This data review covers 12 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per Method WA DOE VPH for Volatile Petroleum Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met with the following exceptions:

Sample	Compound	Total Days From Sample Collection Until Analysis	Required Holding Time (in Days) From Sample Collection Until Analysis	Flag	A or P
BW-04-SS-091218RE BW-51-SS-091218RE BW-11-SS-091218RE	All TCL compounds	19	14	J (all detects) UJ (all non-detects)	A

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 20.0% QC limits.

The percent difference (%D) of the second source calibration standard were less than or equal to 20.0% for all compounds.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile petroleum hydrocarbon contaminants were found in the method blanks.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Column	Surrogate	%R (Limits)	Compound	Flag	A or P
BW-04-SS-091218	PID FID	2,5-Dibromotoluene 2,5-Dibromotoluene	43.0 (60-140) 45.5 (60-140)	All TCL compounds	J (all detects) UJ (all non-detects)	A
BW-51-SS-091218	PID FID	2,5-Dibromotoluene 2,5-Dibromotoluene	54.9 (60-140) 58.8 (60-140)	All TCL compounds	J (all detects) UJ (all non-detects)	A
BW-11-SS-091218	PID FID	2,5-Dibromotoluene 2,5-Dibromotoluene	44.1 (60-140) 22.0 (60-140)	All TCL compounds	J (all detects) UJ (all non-detects)	A
BW-11-SS-091218RE	PID FID	2,5-Dibromotoluene 2,5-Dibromotoluene	58.8 (60-140) 54.6 (60-140)	All TCL compounds	J (all detects) UJ (all non-detects)	A

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Affected Compound	Flag	A or P
BW-05-SS-091218MS/MSD (BW-05-SS-091218)	Methyl-tert-butyl ether	133 (70-130)	-	-	Methyl-tert-butyl ether	J (all detects)	A
BW-05-SS-091218MS/MSD (BW-05-SS-091218)	n-Pentane n-Hexane n-Octane n-Decane n-Dodecane	27.3 (70-130) 36.3 (70-130) 43.4 (70-130) 27.6 (70-130) 21.8 (70-130)	16.5 (70-130) 21.9 (70-130) 25.7 (70-130) 16.6 (70-130) 9.9 (70-130)	50.2 (≤ 40) 50.1 (≤ 40) 51.9 (≤ 40) 50.3 (≤ 40) 75.3 (≤ 40)	n-Pentane n-Hexane n-Octane n-Decane n-Dodecane All aliphatics	J (all detects) UJ (all non-detects)	A

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Affected Compound	Flag	A or P
LCS/LCSD-123109 (BW-51-SS-091218 BW-07-SS-091218 BW-11-SS-091218 MB-123109)	1-Methylnaphthalene	-	131 (70-130)	-	C12-C13 Aromatics	J (all detects)	P

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method.

Due to surrogate and MS/MSD %R problems, data were qualified as estimated in four samples.

No data were qualified due to a high LCSD %R, the associated results were non-detected.

In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
BW-04-SS-091218RE BW-51-SS-091218RE BW-11-SS-091218RE	All TCL compounds	R	A

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be rejected (R) are unusable for all purposes. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Level III data validation all other results are considered valid and usable for all purposes.

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

Samples BW-01-SS-091218 and BW-51-SS-091218 and samples BW-01-SS-091218 and BW-51-SS-091218RE were identified as field duplicates. No volatile petroleum hydrocarbons were detected in any of the samples.

X. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Volatile Petroleum Hydrocarbons - Data Qualification Summary - SDG QC26**

SDG	Sample	Compound	Flag	A or P	Reason
QC26	BW-04-SS-091218RE BW-51-SS-091218RE BW-11-SS-091218RE	All TCL compounds	J (all detects) UJ (all non-detects)	A	Technical holding times
QC26	BW-04-SS-091218 BW-51-SS-091218 BW-11-SS-091218 BW-11-SS-091218RE	All TCL compounds	J (all detects) UJ (all non-detects)	A	Surrogate recovery (%R)
QC26	BW-05-SS-091218	Methyl-tert-butyl ether	J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)
QC26	BW-05-SS-091218	n-Pentane n-Hexane n-Octane n-Decane n-Dodecane All aliphatics	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
QC26	BW-51-SS-091218 BW-07-SS-091218 BW-11-SS-091218	C12-C13 Aromatics	J (all detects)	P	Laboratory control samples (%R)
QC26	BW-04-SS-091218RE BW-51-SS-091218RE BW-11-SS-091218RE	All TCL compounds	R	A	Overall assessment of data

**Bay Wood Products
Volatile Petroleum Hydrocarbons - Laboratory Blank Data Qualification Summary -
SDG QC26**

No Sample Data Qualified in this SDG

LDC #: 22445A7

VALIDATION COMPLETENESS WORKSHEET

Date: 9/2/10

SDG #: QC26

Level III

Page: 1 of 1

Laboratory: Analytical Resources, Inc.

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: Volatile Petroleum Hydrocarbons (WA DOE VPH)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	W	Sampling dates: 12/18/09
IIa.	Initial calibration	A	
IIb.	Calibration verification/ICV	A	10V/100V = 20/0
III.	Blanks	A	
IVa.	Surrogate recovery	W	
IVb.	Matrix spike/Matrix spike duplicates	W	
IVc.	Laboratory control samples	W	LCS 0
V.	Target compound identification	N	
VI.	Compound Quantitation and CRQLs	N	
VII.	System Performance	N	
VIII.	Overall assessment of data	W	
IX.	Field duplicates	ND	D = 2 + 5, 2 + 6
X.	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:

1	BW-05-SS-091218	11	BW-05-SS-091218MSD	21	MB-123009	31	
2	BW-01-SS-091218	12	BW-05-SS-091218DUP	22	MB-010510	32	
3	BW-04-SS-091218	13		23	MB-123109	33	
4	BW-04-SS-091218 DLR	14		24		34	
5	BW-51-SS-091218	15		25		35	
6	BW-51-SS-091218 DLR	16		26		36	
7	BW-07-SS-091218	17		27		37	
8	BW-11-SS-091218	18		28		38	
9	BW-11-SS-091218 DLR	19		29		39	
10	BW-05-SS-091218MS	20		30		40	

Notes:

**Bay Wood Products
Data Validation Reports
LDC #22445**

Extractable Petroleum Hydrocarbons

LDC

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Bay Wood Products
Collection Date: December 18, 2009
LDC Report Date: February 8, 2010
Matrix: Sediment
Parameters: Extractable Petroleum Hydrocarbons
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.

Sample Delivery Group (SDG): QC26

Sample Identification

BW-05-SS-091218
BW-01-SS-091218
BW-04-SS-091218
BW-51-SS-091218
BW-07-SS-091218
BW-11-SS-091218
BW-05-SS-091218MS
BW-05-SS-091218MSD

Introduction

This data review covers 8 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per Method WA DOE EPH for Extractable Petroleum Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 20.0% QC limits with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
12/14/09	C21-C34 Aliphatics	24	All samples in SDG QC26	J (all detects) UJ (all non-detects)	A

The percent difference (%D) of the second source calibration standard were less than or equal to 20.0% for all compounds.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No extractable petroleum hydrocarbon contaminants were found in the method blanks.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to calibration %D problems, data were qualified as estimated in six samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Level III data validation all other results are considered valid and usable for all purposes.

IX. Field Duplicates

Samples BW-01-SS-091218 and BW-51-SS-091218 were identified as field duplicates. No extractable petroleum hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/Kg)		RPD
	BW-01-SS-091218	BW-51-SS-091218	
C21-C34 Aliphatics	18000	16000	12
C21-C34 Aromatics	5600	6300	12

X. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Extractable Petroleum Hydrocarbons - Data Qualification Summary - SDG QC26**

SDG	Sample	Compound	Flag	A or P	Reason
QC26	BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-51-SS-091218 BW-07-SS-091218 BW-11-SS-091218	C21-C34 Aliphatics	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)

**Bay Wood Products
Extractable Petroleum Hydrocarbons - Laboratory Blank Data Qualification Summary
- SDG QC26**

No Sample Data Qualified in this SDG

METHOD: Extractable Petroleum Hydrocarbons (WA DOE EPH)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	★	Sampling dates: 12/18/09
IIa.	Initial calibration	★	
IIb.	Calibration verification/ICV	W	ICV/CCV ≤ 2070
III.	Blanks	★	
IVa.	Surrogate recovery	★	
IVb.	Matrix spike/Matrix spike duplicates	★	
IVc.	Laboratory control samples	★	LCS
V.	Target compound identification	N	
VI.	Compound Quantitation and CRQLs	N	
VII.	System Performance	N	
VIII.	Overall assessment of data	★	
IX.	Field duplicates	W	D = 2 + 4
X.	Field blanks	N	

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet

ND = No compounds detected
 R = Rinsate
 FB = Field blank

D = Duplicate
 TB = Trip blank
 EB = Equipment blank

Validated Samples:

MM seeds

1	BW-05-SS-091218	11	MB-122809	21		31	
2	BW-01-SS-091218	12		22		32	
3	BW-04-SS-091218	13		23		33	
4	BW-51-SS-091218	14		24		34	
5	BW-07-SS-091218	15		25		35	
6	BW-11-SS-091218	16		26		36	
7	BW-05-SS-091218MS	17		27		37	
8	BW-05-SS-091218MSD	18		28		38	
9		19		29		39	
10		20		30		40	

Notes: _____

LDC #: 22445A8
 SDG # See cond

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
 Reviewer: [Signature]
 2nd reviewer: [Signature]

METHOD: GC HPLC (EPA _____)

Y N N/A
 Y N N/A

Were field duplicate pairs identified in this SDG?
 Were target compounds detected in the field duplicate pairs?

Compound	Concentration (<u>ug/kg</u>)		RPD
	<u>2</u>	<u>4</u>	
<u>C2-C34 Aliphatics</u>	<u>18000</u>	<u>16000</u>	<u>12</u>
<u>C2-C34 Aromatics</u>	<u>5600</u>	<u>6300</u>	<u>12</u>

Compound	Concentration (_____)		RPD

Compound	Concentration (_____)		RPD

Compound	Concentration (_____)		RPD

Bay Wood Products

LDC #22445

EDD Print-outs

LDC

Bay Wood Products - LDC 22445

SDG: QC26

D2974

Analytical Method	Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SS-091218	09-31262-QC26B	09-31262-QC26B	Total volatile solids/organic matter	1/9/2010	7.99	Yes	Y				0.0100	0.0100	pct
BW-01-SS-091218	09-31262-QC26B	09-31262-QC26B	Total solids	1/9/2010	43.64	Yes	Y				0.0100	0.0100	pct
BW-01-SS-091218	09-31262-QC26B	09-31262-QC26B	Ash Content	1/9/2010	92.01	Yes	Y				0.0100	0.0100	pct
BW-04-SS-091218	09-31263-QC26C	09-31263-QC26C	Total volatile solids/organic matter	1/9/2010	14.19	Yes	Y				0.0100	0.0100	pct
BW-04-SS-091218	09-31263-QC26C	09-31263-QC26C	Ash Content	1/9/2010	85.81	Yes	Y				0.0100	0.0100	pct
BW-04-SS-091218	09-31263-QC26C	09-31263-QC26C	Total solids	1/9/2010	50.83	Yes	Y				0.0100	0.0100	pct
BW-05-SS-091218	09-31261-QC26A	09-31261-QC26A	Ash Content	1/9/2010	94.46	Yes	Y				0.0100	0.0100	pct
BW-05-SS-091218	09-31261-QC26A	09-31261-QC26A	Total volatile solids/organic matter	1/9/2010	5.54	Yes	Y				0.0100	0.0100	pct
BW-05-SS-091218	09-31261-QC26A	09-31261-QC26A	Total solids	1/9/2010	62.9	Yes	Y				0.0100	0.0100	pct
BW-07-SS-091218	09-31265-QC26E	09-31265-QC26E	Ash Content	1/9/2010	81.61	Yes	Y				0.0100	0.0100	pct
BW-07-SS-091218	09-31265-QC26E	09-31265-QC26E	Total volatile solids/organic matter	1/9/2010	18.39	Yes	Y				0.0100	0.0100	pct
BW-07-SS-091218	09-31265-QC26E	09-31265-QC26E	Total solids	1/9/2010	63.11	Yes	Y				0.0100	0.0100	pct
BW-11-SS-091218	09-31266-QC26F	09-31266-QC26F	Ash Content	1/9/2010	83.83	Yes	Y				0.0100	0.0100	pct
BW-11-SS-091218	09-31266-QC26F	09-31266-QC26F	Total volatile solids/organic matter	1/9/2010	16.17	Yes	Y				0.0100	0.0100	pct
BW-11-SS-091218	09-31266-QC26F	09-31266-QC26F	Total solids	1/9/2010	51.58	Yes	Y				0.0100	0.0100	pct
BW-51-SS-091218	09-31264-QC26D	09-31264-QC26D	Ash Content	1/9/2010	92.2	Yes	Y				0.0100	0.0100	pct
BW-51-SS-091218	09-31264-QC26D	09-31264-QC26D	Total volatile solids/organic matter	1/9/2010	7.8	Yes	Y				0.0100	0.0100	pct
BW-51-SS-091218	09-31264-QC26D	09-31264-QC26D	Total solids	1/9/2010	43.76	Yes	Y				0.0100	0.0100	pct

E160.3

Analytical Method	Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SS-091218	09-31262-QC26B	09-31262-QC26B	Total solids	12/23/2009	43.8	Yes	Y				0.01		pct
BW-04-SS-091218	09-31263-QC26C	09-31263-QC26C	Total solids	12/23/2009	46.6	Yes	Y				0.01		pct
BW-05-SS-091218	09-31261-QC26A	09-31261-QC26A	Total solids	12/23/2009	62.8	Yes	Y				0.01		pct
BW-07-SS-091218	09-31265-QC26E	09-31265-QC26E	Total solids	12/23/2009	55.6	Yes	Y				0.01		pct

SDG: QC26

E160.3												
Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
	BW-11-SS-091218	Total solids	12/23/2009	46.8	Yes	Y				0.01		pct
	BW-51-SS-091218	Total solids	12/23/2009	43.8	Yes	Y				0.01		pct
E160.3-PRES												
Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
	BW-01-SS-091218	Total Solids (preserved)	12/23/2009	43.7	Yes	Y				0.01		pct
	BW-04-SS-091218	Total Solids (preserved)	12/23/2009	45.4	Yes	Y				0.01		pct
	BW-05-SS-091218	Total Solids (preserved)	12/23/2009	55.9	Yes	Y				0.01		pct
	BW-07-SS-091218	Total Solids (preserved)	12/23/2009	62.7	Yes	Y				0.01		pct
	BW-11-SS-091218	Total Solids (preserved)	12/23/2009	44.7	Yes	Y				0.01		pct
E350.1M												
Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
	BW-01-SS-091218	Ammonia	12/21/2009	4.96	Yes	Y				0.21	0.03000	mg-N/k
	BW-04-SS-091218	Ammonia	12/21/2009	3.04	Yes	Y				0.21	0.03000	mg-N/k
	BW-05-SS-091218	Ammonia	12/21/2009	4.07	Yes	Y				0.16	0.03000	mg-N/k
	BW-07-SS-091218	Ammonia	12/21/2009	6.54	Yes	Y				0.18	0.03000	mg-N/k
	BW-11-SS-091218	Ammonia	12/21/2009	6.35	Yes	Y				0.21	0.03000	mg-N/k
E376.2												
Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
	BW-01-SS-091218	Sulfide	12/22/2009	116	Yes	Y	J	J	9	11.5	0.03750	mg/kg
	BW-04-SS-091218	Sulfide	12/22/2009	39.6	Yes	Y	J	J	9	4.47	0.01500	mg/kg
	BW-05-SS-091218	Sulfide	12/22/2009	23.2	Yes	Y	J	J	9	1.81	0.00750	mg/kg
	BW-07-SS-091218	Sulfide	12/22/2009	49	Yes	Y	J	J	9	7.96	0.03750	mg/kg
	BW-11-SS-091218	Sulfide	12/22/2009	56.8	Yes	Y	J	J	9	4.47	0.01500	mg/kg
Plumb 1981												
Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units

SDG: QC26

Plumb 1981

Analytical Method	Sample ID	Lab Sample ID	Chemical Name	Anzal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
	BW-01-SS-091218	09-31262-QC26B	Total organic carbon	1/5/2010	2.55	Yes	Y				0.020	0.01040	pct
	BW-04-SS-091218	09-31263-QC26C	Total organic carbon	1/5/2010	2.08	Yes	Y				0.020	0.01040	pct
	BW-05-SS-091218	09-31261-QC26A	Total organic carbon	1/5/2010	1.64	Yes	Y				0.020	0.01040	pct
	BW-07-SS-091218	09-31265-QC26E	Total organic carbon	1/5/2010	2.44	Yes	Y				0.020	0.01040	pct
	BW-11-SS-091218	09-31266-QC26F	Total organic carbon	1/5/2010	2.02	Yes	Y				0.020	0.01040	pct
	BW-51-SS-091218	09-31264-QC26D	Total organic carbon	1/5/2010	2.18	Yes	Y				0.020	0.01040	pct

PSEP

Analytical Method	Sample ID	Lab Sample ID	Chemical Name	Anzal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
	BW-01-SS-091218	09-31262-QC26B	Clay, Fine	1/9/2010	8.9	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Clay, Medium	1/9/2010	5.2	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Gravel	1/9/2010	0.1	Yes	N	U			0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Sand, Coarse	1/9/2010	0.6	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Sand, Fine	1/9/2010	0.4	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Clay, Coarse	1/9/2010	8.5	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Silt, Very Fine	1/9/2010	18.4	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Sand, Medium	1/9/2010	0.6	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Sand, Very Coarse	1/9/2010	0.2	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Sand, Very Fine	1/9/2010	0.5	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Fines (silt + clay)	1/9/2010	97.8	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Silt, Fine	1/9/2010	29	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Silt, Medium	1/9/2010	23.2	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Silt, Coarse	1/9/2010	4.7	Yes	Y				0.1	0.1	pct
	BW-04-SS-091218	09-31263-QC26C	Sand, Very Coarse	1/9/2010	1.3	Yes	Y				0.1	0.1	pct
	BW-04-SS-091218	09-31263-QC26C	Silt, Very Fine	1/9/2010	12.3	Yes	Y				0.1	0.1	pct
	BW-04-SS-091218	09-31263-QC26C	Silt, Coarse	1/9/2010	11.5	Yes	Y				0.1	0.1	pct

SDG: QC26

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-04-SS-091218	09-31263-QC26C	Clay, Fine	1/9/2010	7	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Silt, Fine	1/9/2010	23.9	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Sand, Very Fine	1/9/2010	2.3	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Sand, Coarse	1/9/2010	1.2	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Sand, Medium	1/9/2010	1.2	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Sand, Fine	1/9/2010	1.1	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Clay, Coarse	1/9/2010	6	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Gravel	1/9/2010	0.9	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Fines (silt + clay)	1/9/2010	91.9	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Clay, Medium	1/9/2010	3.2	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Silt, Medium	1/9/2010	28	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Gravel	1/9/2010	0.4	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Clay, Coarse	1/9/2010	1.7	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Clay, Fine	1/9/2010	3.2	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Sand, Coarse	1/9/2010	5	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Fines (silt + clay)	1/9/2010	39.6	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Sand, Fine	1/9/2010	13.5	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Sand, Medium	1/9/2010	25.1	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Sand, Very Coarse	1/9/2010	0.8	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Sand, Very Fine	1/9/2010	15.6	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Silt, Coarse	1/9/2010	17.2	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Silt, Fine	1/9/2010	4.6	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Silt, Medium	1/9/2010	8.5	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Silt, Very Fine	1/9/2010	3.1	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Clay, Medium	1/9/2010	1.3	Yes	Y				0.1	0.1	pct

SDG: QC26

Analytical Method
PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RI	MDI	Units
BW-07-SS-091218	09-31265-QC26E	Sand, Medium	1/9/2010	20.3	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Clay, Coarse	1/9/2010	2.6	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Clay, Fine	1/9/2010	4.1	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Clay, Medium	1/9/2010	1.9	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Fines (silt + clay)	1/9/2010	59	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Gravel	1/9/2010	0.9	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Sand, Fine	1/9/2010	5.5	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Sand, Very Coarse	1/9/2010	2.3	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Sand, Very Fine	1/9/2010	5.3	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Silt, Coarse	1/9/2010	16.7	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Silt, Fine	1/9/2010	9.6	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Silt, Medium	1/9/2010	18.5	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Silt, Very Fine	1/9/2010	5.5	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Sand, Coarse	1/9/2010	6.7	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Sand, Coarse	1/9/2010	0.8	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Sand, Very Coarse	1/9/2010	1.8	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Silt, Coarse	1/9/2010	17.9	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Clay, Coarse	1/9/2010	5.7	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Silt, Fine	1/9/2010	23.4	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Silt, Very Fine	1/9/2010	10.7	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Sand, Very Fine	1/9/2010	4.6	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Sand, Fine	1/9/2010	0.8	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Sand, Medium	1/9/2010	0.7	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Gravel	1/9/2010	0.1	Yes	N	U			0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Fines (silt + clay)	1/9/2010	91.2	Yes	Y				0.1	0.1	pct

SDG: QC26

PSEP

Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-11-SS-091218	09-31266-QC26F	Clay, Medium	1/9/2010	3.6	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Clay, Fine	1/9/2010	7.8	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Silt, Medium	1/9/2010	22.2	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Silt, Very Fine	1/9/2010	18.2	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Silt, Coarse	1/9/2010	4.2	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Sand, Very Fine	1/9/2010	0.8	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Clay, Coarse	1/9/2010	7.6	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Clay, Medium	1/9/2010	4.8	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Fines (silt + clay)	1/9/2010	95.1	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Gravel	1/9/2010	0.1	Yes	N	U			0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Sand, Coarse	1/9/2010	1.2	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Sand, Fine	1/9/2010	0.7	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Sand, Medium	1/9/2010	1.2	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Clay, Fine	1/9/2010	8.5	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Silt, Fine	1/9/2010	29.6	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Silt, Medium	1/9/2010	22.2	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Sand, Very Coarse	1/9/2010	1	Yes	Y				0.1	0.1	pct

WAEPH

Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SS-091218	09-31262-QC26B	C16-C21 Aromatic	12/31/2009	4500	Yes	N	U			4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C10-C12 Aromatic	12/31/2009	4500	Yes	N	U			4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C12-C16 Aromatic	12/31/2009	4500	Yes	N	U			4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C21-C34 Aromatic	12/31/2009	5600	Yes	Y				4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C8-C10 Aromatic	12/31/2009	4500	Yes	N	U			4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C16-C21 Aliphatic	1/5/2010	4500	Yes	N	U	UJ	5	4500	4500	ug/kg

SDG: QC26

Analytical Method
WAEPH

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SS-091218	09-31262-QC26B	C12-C16 Aliphatic	1/5/2010	4500	Yes	N	U	UJ	UJ	5	4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C10-C12 Aliphatic	1/5/2010	4500	Yes	N	U	UJ	UJ	5	4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C21-C34 Aliphatic	1/5/2010	18000	Yes	Y	U	j	j	5	4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C8-C10 Aliphatic	1/5/2010	4500	Yes	N	U	UJ	UJ	5	4500	4500	ug/kg
BW-04-SS-091218	09-31263-QC26C	C16-C21 Aromatic	12/31/2009	4100	Yes	N	U				4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C21-C34 Aromatic	12/31/2009	5700	Yes	Y	U				4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C12-C16 Aromatic	12/31/2009	4100	Yes	N	U				4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C10-C12 Aromatic	12/31/2009	4100	Yes	N	U				4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C8-C10 Aromatic	12/31/2009	4100	Yes	N	U				4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C10-C12 Aliphatic	1/5/2010	4100	Yes	N	U	UJ	UJ	5	4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C12-C16 Aliphatic	1/5/2010	4100	Yes	N	U	UJ	UJ	5	4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C16-C21 Aliphatic	1/5/2010	4100	Yes	N	U	UJ	UJ	5	4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C21-C34 Aliphatic	1/5/2010	11000	Yes	Y	U	j	j	5	4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C8-C10 Aliphatic	1/5/2010	4100	Yes	N	U	UJ	UJ	5	4100	4100	ug/kg
BW-05-SS-091218	09-31261-QC26A	C8-C10 Aromatic	12/31/2009	2900	Yes	N	U				2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C10-C12 Aromatic	12/31/2009	2900	Yes	N	U				2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C12-C16 Aromatic	12/31/2009	2900	Yes	N	U				2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C16-C21 Aromatic	12/31/2009	2900	Yes	N	U				2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C21-C34 Aromatic	12/31/2009	2900	Yes	N	U				2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C21-C34 Aliphatic	1/5/2010	5600	Yes	Y	U	j	j	5	2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C10-C12 Aliphatic	1/5/2010	2900	Yes	N	U	UJ	UJ	5	2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C12-C16 Aliphatic	1/5/2010	2900	Yes	N	U	UJ	UJ	5	2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C16-C21 Aliphatic	1/5/2010	2900	Yes	N	U	UJ	UJ	5	2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C16-C21 Aliphatic	1/5/2010	2900	Yes	N	U	UJ	UJ	5	2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C8-C10 Aliphatic	1/5/2010	2900	Yes	N	U	UJ	UJ	5	2900	2900	ug/kg
BW-07-SS-091218	09-31265-QC26E	C21-C34 Aromatic	12/31/2009	3400	Yes	N	U				3400	3400	ug/kg

SDG: QC26

Analytical Method		WAEPH												
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units	
BW-07-SS-091218	09-31265-QC26E	C12-C16 Aromatic	12/31/2009	3400	Yes	N	N	U			3400	3400	ug/kg	
BW-07-SS-091218	09-31265-QC26E	C10-C12 Aromatic	12/31/2009	3400	Yes	N	N	U			3400	3400	ug/kg	
BW-07-SS-091218	09-31265-QC26E	C8-C10 Aromatic	12/31/2009	3400	Yes	N	N	U			3400	3400	ug/kg	
BW-07-SS-091218	09-31265-QC26E	C16-C21 Aromatic	12/31/2009	3400	Yes	N	N	U			3400	3400	ug/kg	
BW-07-SS-091218	09-31265-QC26E	C16-C21 Aliphatic	1/5/2010	3400	Yes	N	N	U	UJ	5	3400	3400	ug/kg	
BW-07-SS-091218	09-31265-QC26E	C8-C10 Aliphatic	1/5/2010	3400	Yes	N	N	U	UJ	5	3400	3400	ug/kg	
BW-07-SS-091218	09-31265-QC26E	C10-C12 Aliphatic	1/5/2010	3400	Yes	N	N	U	UJ	5	3400	3400	ug/kg	
BW-07-SS-091218	09-31265-QC26E	C21-C34 Aliphatic	1/5/2010	14000	Yes	Y			J	5	3400	3400	ug/kg	
BW-07-SS-091218	09-31265-QC26E	C12-C16 Aliphatic	1/5/2010	3400	Yes	N	N	U	UJ	5	3400	3400	ug/kg	
BW-11-SS-091218	09-31266-QC26F	C16-C21 Aromatic	12/31/2009	4000	Yes	N	N	U			4000	4000	ug/kg	
BW-11-SS-091218	09-31266-QC26F	C12-C16 Aromatic	12/31/2009	4000	Yes	N	N	U			4000	4000	ug/kg	
BW-11-SS-091218	09-31266-QC26F	C10-C12 Aromatic	12/31/2009	4000	Yes	N	N	U			4000	4000	ug/kg	
BW-11-SS-091218	09-31266-QC26F	C8-C10 Aromatic	12/31/2009	4000	Yes	N	N	U			4000	4000	ug/kg	
BW-11-SS-091218	09-31266-QC26F	C21-C34 Aromatic	12/31/2009	4700	Yes	Y					4000	4000	ug/kg	
BW-11-SS-091218	09-31266-QC26F	C8-C10 Aliphatic	1/5/2010	4000	Yes	N	N	U	UJ	5	4000	4000	ug/kg	
BW-11-SS-091218	09-31266-QC26F	C16-C21 Aliphatic	1/5/2010	4000	Yes	N	N	U	UJ	5	4000	4000	ug/kg	
BW-11-SS-091218	09-31266-QC26F	C21-C34 Aliphatic	1/5/2010	11000	Yes	Y			J	5	4000	4000	ug/kg	
BW-11-SS-091218	09-31266-QC26F	C10-C12 Aliphatic	1/5/2010	4000	Yes	N	N	U	UJ	5	4000	4000	ug/kg	
BW-11-SS-091218	09-31266-QC26F	C12-C16 Aliphatic	1/5/2010	4000	Yes	N	N	U	UJ	5	4000	4000	ug/kg	
BW-51-SS-091218	09-31264-QC26D	C21-C34 Aromatic	12/31/2009	6300	Yes	Y					4300	4300	ug/kg	
BW-51-SS-091218	09-31264-QC26D	C12-C16 Aromatic	12/31/2009	4300	Yes	N	N	U			4300	4300	ug/kg	
BW-51-SS-091218	09-31264-QC26D	C10-C12 Aromatic	12/31/2009	4300	Yes	N	N	U			4300	4300	ug/kg	
BW-51-SS-091218	09-31264-QC26D	C16-C21 Aromatic	12/31/2009	4300	Yes	N	N	U			4300	4300	ug/kg	
BW-51-SS-091218	09-31264-QC26D	C8-C10 Aromatic	12/31/2009	4300	Yes	N	N	U			4300	4300	ug/kg	
BW-51-SS-091218	09-31264-QC26D	C16-C21 Aliphatic	1/5/2010	4300	Yes	N	N	U	UJ	5	4300	4300	ug/kg	

SDG: QC26

Analytical Method		WAEPH										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-51-SS-091218	09-31264-QC26D	C12-C16 Aliphatic	1/5/2010	4300	Yes	N	U	UJ	5	4300	4300	ug/kg
BW-51-SS-091218	09-31264-QC26D	C10-C12 Aliphatic	1/5/2010	4300	Yes	N	U	UJ	5	4300	4300	ug/kg
BW-51-SS-091218	09-31264-QC26D	C21-C34 Aliphatic	1/5/2010	16000	Yes	Y	U	J	5	4300	4300	ug/kg
BW-51-SS-091218	09-31264-QC26D	C8-C10 Aliphatic	1/5/2010	4300	Yes	N	U	UJ	5	4300	4300	ug/kg
Analytical Method		WAVPH										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SS-091218	09-31262-QC26B	Ethylbenzene	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	C12-C13 Aromatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	C10-C12 Aromatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	C8-C10 Aromatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	C10-C12 Aliphatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	Toluene	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	n-Pentane (C5)	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	n-Hexane	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	C8-C10 Aliphatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	n-Dodecane (C12)	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	C6-C8 Aliphatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	C5-C6 Aliphatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	o-Xylene	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	Benzene	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	Methyl tert-butyl ether (MTBE)	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	m,p-Xylene	12/30/2009	4200	Yes	N	U			4200	4200	ug/kg
BW-01-SS-091218	09-31262-QC26B	n-Decane (C10)	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	n-Octane (C8)	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-04-SS-091218	09-31263-QC26C	m,p-Xylene	12/30/2009	3700	Yes	N	U	UJ	13	3700	3700	ug/kg

SDG: QC26

Analytical Method
WAVPH

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-04-SS-091218	09-31263-QC26C	C8-C10 Aliphatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26C	n-Pentane (C5)	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	n-Hexane	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	n-Octane (C8)	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	n-Decane (C10)	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	Methyl tert-butyl ether (MTBE)	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	Toluene	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	C5-C6 Aliphatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26C	o-Xylene	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	C10-C12 Aliphatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26C	C8-C10 Aromatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26C	C10-C12 Aromatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26C	C12-C13 Aromatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26C	n-Dodecane (C12)	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	Ethylbenzene	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	Benzene	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	C6-C8 Aliphatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C12-C13 Aromatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	o-Xylene	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C6-C8 Aliphatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	Benzene	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C8-C10 Aliphatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C10-C12 Aliphatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C8-C10 Aromatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	Ethylbenzene	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg

SDG: QC26

Analytical Method
WAVPH

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-04-SS-091218	09-31263-QC26CD	Toluene	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C5-C6 Aliphatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	n-Hexane	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C10-C12 Aromatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	n-Octane (C8)	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	Methyl tert-butyl ether (MTBE)	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	m,p-Xylene	1/5/2010	3700	No	N	U	R	22	3700	3700	ug/kg
BW-04-SS-091218	09-31263-QC26CD	n-Decane (C10)	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	n-Dodecane (C12)	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	n-Pentane (C5)	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-05-SS-091218	09-31261-QC26A	Methyl tert-butyl ether (MTBE)	12/30/2009	1100	Yes	N	U			1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	m,p-Xylene	12/30/2009	2200	Yes	N	U			2200	2200	ug/kg
BW-05-SS-091218	09-31261-QC26A	Benzene	12/30/2009	1100	Yes	N	U			1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	o-Xylene	12/30/2009	1100	Yes	N	U			1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	n-Decane (C10)	12/30/2009	1100	Yes	N	U	UJ	8	1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	C6-C8 Aliphatic	12/30/2009	11000	Yes	N	U	UJ	8	11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	Ethylbenzene	12/30/2009	1100	Yes	N	U			1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	C12-C13 Aromatic	12/30/2009	11000	Yes	N	U			11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	C10-C12 Aromatic	12/30/2009	11000	Yes	N	U			11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	C8-C10 Aromatic	12/30/2009	11000	Yes	N	U			11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	C10-C12 Aliphatic	12/30/2009	11000	Yes	N	U	UJ	8	11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	C5-C6 Aliphatic	12/30/2009	11000	Yes	N	U	UJ	8	11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	n-Octane (C8)	12/30/2009	1100	Yes	N	U	UJ	8	1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	n-Hexane	12/30/2009	1100	Yes	N	U	UJ	8	1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	Toluene	12/30/2009	1100	Yes	N	U			1100	1100	ug/kg

SDG: QC26

Analytical Method		WAVPH										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-05-SS-091218	09-31261-QC26A	C8-C10 Aliphatic	12/30/2009	11000	Yes	N	U	UJ	8	11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	n-Dodecane (C12)	12/30/2009	1100	Yes	N	U	UJ	8	1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	n-Pentane (C5)	12/30/2009	1100	Yes	N	U	UJ	8	1100	1100	ug/kg
BW-07-SS-091218	09-31265-QC26E	m,p-Xylene	12/31/2009	2900	Yes	N	U			2900	2900	ug/kg
BW-07-SS-091218	09-31265-QC26E	C8-C10 Aromatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	C10-C12 Aliphatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	C8-C10 Aliphatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	C6-C8 Aliphatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	Ethylbenzene	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	C5-C6 Aliphatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	n-Pentane (C5)	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	C10-C12 Aromatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	n-Octane (C8)	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	n-Decane (C10)	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	Methyl tert-butyl ether (MTBE)	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	Benzene	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	o-Xylene	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	C12-C13 Aromatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	Toluene	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	n-Dodecane (C12)	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	n-Hexane	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-11-SS-091218	09-31266-QC26F	C8-C10 Aliphatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	n-Octane (C8)	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	n-Dodecane (C12)	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	n-Decane (C10)	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg

SDG: QC26

Analytical Method		WAVPH										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-11-SS-091218	09-31266-QC26F	m,p-Xylene	12/31/2009	3700	Yes	N	U	UJ	13	3700	3700	ug/kg
BW-11-SS-091218	09-31266-QC26F	Benzene	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	n-Hexane	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	C6-C8 Aliphatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	Methyl tert-butyl ether (MTBE)	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	C10-C12 Aliphatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	C8-C10 Aromatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	C10-C12 Aromatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	C12-C13 Aromatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	n-Pentane (C5)	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	C5-C6 Aliphatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	Toluene	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	Ethylbenzene	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	o-Xylene	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C10-C12 Aromatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C12-C13 Aromatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	n-Octane (C8)	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C8-C10 Aromatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C10-C12 Aliphatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C8-C10 Aliphatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C6-C8 Aliphatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C5-C6 Aliphatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	n-Dodecane (C12)	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	n-Pentane (C5)	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	o-Xylene	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg

SDG: QC26

Analytical Method
WAVPH

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-11-SS-091218	09-31266-QC26FD	n-Hexane	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	Ethylbenzene	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	n-Decane (C10)	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	m,p-Xylene	1/5/2010	3600	No	N	U	R	22	3600	3600	ug/kg
BW-11-SS-091218	09-31266-QC26FD	Methyl tert-butyl ether (MTBE)	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	Benzene	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	Toluene	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-51-SS-091218	09-31264-QC26D	C10-C12 Aliphatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	Methyl tert-butyl ether (MTBE)	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	n-Hexane	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	n-Pentane (C5)	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	n-Dodecane (C12)	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	Toluene	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	m,p-Xylene	12/31/2009	4200	Yes	N	U	UJ	13	4200	4200	ug/kg
BW-51-SS-091218	09-31264-QC26D	Benzene	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	o-Xylene	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	C5-C6 Aliphatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	C12-C13 Aromatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	C8-C10 Aliphatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	C8-C10 Aromatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	C10-C12 Aromatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	n-Octane (C8)	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	Ethylbenzene	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	C6-C8 Aliphatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	n-Decane (C10)	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg

SDG: QC26

Analytical Method WAVPH

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-51-SS-091218	09-31264-QC26DD	Toluene	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C10-C12 Aliphatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26DD	Ethylbenzene	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	n-Pentane (C5)	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	n-Hexane	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	n-Octane (C8)	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	n-Dodecane (C12)	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	n-Decane (C10)	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	m,p-Xylene	1/5/2010	4100	No	N	U	R	22	4100	4100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C6-C8 Aliphatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26DD	Methyl tert-butyl ether (MTBE)	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C10-C12 Aromatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C12-C13 Aromatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C8-C10 Aliphatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C5-C6 Aliphatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26DD	o-Xylene	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	Benzene	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C8-C10 Aromatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg

SDG: QC29

Analytical Method D2974

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Ash Content	1/14/2010	89.74	Yes	Y				0.0100	0.0100	pct
BW-01-SC-A-091218	09-31272-QC29D	Total solids	1/14/2010	48.03	Yes	Y				0.0100	0.0100	pct
BW-01-SC-A-091218	09-31272-QC29D	Total volatile solids/organic matter	1/14/2010	10.26	Yes	Y				0.0100	0.0100	pct
BW-01-SC-B-091218	09-31273-QC29E	Ash Content	1/14/2010	60.8	Yes	Y				0.0100	0.0100	pct
BW-01-SC-B-091218	09-31273-QC29E	Total volatile solids/organic matter	1/14/2010	39.2	Yes	Y				0.0100	0.0100	pct
BW-01-SC-B-091218	09-31273-QC29E	Total solids	1/14/2010	46.09	Yes	Y				0.0100	0.0100	pct
BW-04-SC-B-091218	09-31270-QC29B	Ash Content	1/14/2010	72.97	Yes	Y				0.0100	0.0100	pct
BW-04-SC-B-091218	09-31270-QC29B	Total volatile solids/organic matter	1/14/2010	27.03	Yes	Y				0.0100	0.0100	pct
BW-04-SC-B-091218	09-31270-QC29B	Total solids	1/14/2010	50.91	Yes	Y				0.0100	0.0100	pct
BW-04-SC-C-091218	09-31271-QC29C	Ash Content	1/14/2010	74.03	Yes	Y				0.0100	0.0100	pct
BW-04-SC-C-091218	09-31271-QC29C	Total volatile solids/organic matter	1/14/2010	25.97	Yes	Y				0.0100	0.0100	pct
BW-04-SC-C-091218	09-31271-QC29C	Total solids	1/14/2010	58.03	Yes	Y				0.0100	0.0100	pct
BW-05-SC-A-091218	09-31285-QC29Q	Ash Content	1/14/2010	86.07	Yes	Y				0.0100	0.0100	pct
BW-05-SC-A-091218	09-31285-QC29Q	Total volatile solids/organic matter	1/14/2010	13.93	Yes	Y				0.0100	0.0100	pct
BW-05-SC-A-091218	09-31285-QC29Q	Total solids	1/14/2010	57.96	Yes	Y				0.0100	0.0100	pct
BW-05-SC-B-091218	09-31286-QC29R	Ash Content	1/14/2010	88.64	Yes	Y				0.0100	0.0100	pct
BW-05-SC-B-091218	09-31286-QC29R	Total volatile solids/organic matter	1/14/2010	11.36	Yes	Y				0.0100	0.0100	pct
BW-05-SC-B-091218	09-31286-QC29R	Total solids	1/14/2010	62.32	Yes	Y				0.0100	0.0100	pct
BW-07-SC-B-091218	09-31280-QC29L	Total volatile solids/organic matter	1/14/2010	8.1	Yes	Y				0.0100	0.0100	pct
BW-07-SC-B-091218	09-31280-QC29L	Ash Content	1/14/2010	91.9	Yes	Y				0.0100	0.0100	pct
BW-07-SC-B-091218	09-31280-QC29L	Total solids	1/14/2010	62.49	Yes	Y				0.0100	0.0100	pct
BW-07-SC-C-091218	09-31281-QC29M	Total volatile solids/organic matter	1/14/2010	18.42	Yes	Y				0.0100	0.0100	pct
BW-07-SC-C-091218	09-31281-QC29M	Total solids	1/14/2010	56.88	Yes	Y				0.0100	0.0100	pct
BW-07-SC-C-091218	09-31281-QC29M	Ash Content	1/14/2010	81.58	Yes	Y				0.0100	0.0100	pct
BW-11-SC-A-091218	09-31276-QC29H	Ash Content	1/14/2010	89.97	Yes	Y				0.0100	0.0100	pct

SDG: QC29

Analytical Method		D2974													
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units			
BW-11-SC-A-091218	09-31276-QC29H	Total volatile solids/organic matter	1/14/2010	10.03	Yes	Y				0.0100	0.0100	pct			
BW-11-SC-A-091218	09-31276-QC29H	Total solids	1/14/2010	52.31	Yes	Y				0.0100	0.0100	pct			
BW-11-SC-B-091218	09-31277-QC29I	Total solids	1/14/2010	52.59	Yes	Y				0.0100	0.0100	pct			
BW-11-SC-B-091218	09-31277-QC29I	Ash Content	1/14/2010	70.14	Yes	Y				0.0100	0.0100	pct			
BW-11-SC-B-091218	09-31277-QC29I	Total volatile solids/organic matter	1/14/2010	29.86	Yes	Y				0.0100	0.0100	pct			
BW-55-A-091218	09-31289-QC29U	Total volatile solids/organic matter	1/14/2010	14.29	Yes	Y				0.0100	0.0100	pct			
BW-55-A-091218	09-31289-QC29U	Total solids	1/14/2010	57.94	Yes	Y				0.0100	0.0100	pct			
BW-55-A-091218	09-31289-QC29U	Ash Content	1/14/2010	85.71	Yes	Y				0.0100	0.0100	pct			

Analytical Method E160.3

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Total solids	12/23/2009	47	Yes	Y				0.01		pct
BW-01-SC-B-091218	09-31273-QC29E	Total solids	12/23/2009	43.1	Yes	Y				0.01		pct
BW-04-SC-B-091218	09-31270-QC29B	Total solids	12/23/2009	47.9	Yes	Y				0.01		pct
BW-04-SC-C-091218	09-31271-QC29C	Total solids	12/23/2009	58.5	Yes	Y				0.01		pct
BW-05-SC-A-091218	09-31285-QC29Q	Total solids	12/23/2009	59.6	Yes	Y				0.01		pct
BW-05-SC-B-091218	09-31286-QC29R	Total solids	12/23/2009	64.7	Yes	Y				0.01		pct
BW-07-SC-B-091218	09-31280-QC29L	Total solids	12/23/2009	61	Yes	Y				0.01		pct
BW-07-SC-C-091218	09-31281-QC29M	Total solids	12/23/2009	55.2	Yes	Y				0.01		pct
BW-11-SC-A-091218	09-31276-QC29H	Total solids	12/23/2009	50.2	Yes	Y				0.01		pct
BW-11-SC-B-091218	09-31277-QC29I	Total solids	12/23/2009	54.9	Yes	Y				0.01		pct
BW-55-A-091218	09-31289-QC29U	Total solids	12/23/2009	57.7	Yes	Y				0.01		pct

Analytical Method E160.3-PRES

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Total Solids (preserved)	12/23/2009	45.1	Yes	Y				0.01		pct
BW-01-SC-B-091218	09-31273-QC29E	Total Solids (preserved)	12/23/2009	43	Yes	Y				0.01		pct

SDG: QC29

Analytical Method		E160.3-PRES										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-04-SC-B-091218	09-31270-QC29B	Total Solids (preserved)	12/23/2009	42.9	Yes	Y				0.01		pct
BW-04-SC-C-091218	09-31271-QC29C	Total Solids (preserved)	12/23/2009	59.4	Yes	Y				0.01		pct
BW-05-SC-A-091218	09-31285-QC29Q	Total Solids (preserved)	12/23/2009	55.5	Yes	Y				0.01		pct
BW-05-SC-B-091218	09-31286-QC29R	Total Solids (preserved)	12/23/2009	68.2	Yes	Y				0.01		pct
BW-07-SC-B-091218	09-31280-QC29L	Total Solids (preserved)	12/23/2009	60.9	Yes	Y				0.01		pct
BW-07-SC-C-091218	09-31281-QC29M	Total Solids (preserved)	12/23/2009	47.9	Yes	Y				0.01		pct
BW-11-SC-A-091218	09-31276-QC29H	Total Solids (preserved)	12/23/2009	50.5	Yes	Y				0.01		pct
BW-11-SC-B-091218	09-31277-QC29I	Total Solids (preserved)	12/23/2009	57.6	Yes	Y				0.01		pct

Analytical Method E350.1M

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Ammonia	12/21/2009	16.2	Yes	Y				0.21	0.03000	mg-N/k
BW-01-SC-B-091218	09-31273-QC29E	Ammonia	12/21/2009	22.1	Yes	Y				0.23	0.03000	mg-N/k
BW-04-SC-B-091218	09-31270-QC29B	Ammonia	12/21/2009	9.44	Yes	Y				0.20	0.03000	mg-N/k
BW-04-SC-C-091218	09-31271-QC29C	Ammonia	12/21/2009	17.9	Yes	Y				0.33	0.06000	mg-N/k
BW-05-SC-A-091218	09-31285-QC29Q	Ammonia	12/21/2009	18.3	Yes	Y				0.32	0.06000	mg-N/k
BW-05-SC-B-091218	09-31286-QC29R	Ammonia	12/21/2009	54.7	Yes	Y				0.71	0.15000	mg-N/k
BW-07-SC-B-091218	09-31280-QC29L	Ammonia	12/21/2009	81.5	Yes	Y				1.58	0.30000	mg-N/k
BW-07-SC-C-091218	09-31281-QC29M	Ammonia	12/21/2009	55.8	Yes	Y				0.91	0.15000	mg-N/k
BW-11-SC-A-091218	09-31276-QC29H	Ammonia	12/21/2009	13	Yes	Y				0.19	0.03000	mg-N/k
BW-11-SC-B-091218	09-31277-QC29I	Ammonia	12/21/2009	31.2	Yes	Y				0.80	0.15000	mg-N/k
BW-55-A-091218	09-31289-QC29U	Ammonia	12/21/2009	18.3	Yes	Y				0.29	0.06000	mg-N/k

Analytical Method E376.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Sulfide	12/22/2009	900	Yes	Y		J	9	113	0.37500	mg/kg
BW-01-SC-B-091218	09-31273-QC29E	Sulfide	12/22/2009	311	Yes	Y		J	9	27.3	0.07500	mg/kg

SDG: QC29

Analytical Method E376.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-04-SC-B-091218	09-31270-QC29B	Sulfide	12/22/2009	216	Yes	Y	J	J	9	22.8	0.07500	mg/kg
BW-04-SC-C-091218	09-31271-QC29C	Sulfide	12/22/2009	953	Yes	Y	J	J	9	84.3	0.37500	mg/kg
BW-05-SC-A-091218	09-31285-QC29Q	Sulfide	12/22/2009	122	Yes	Y	J	J	9	17.9	0.07500	mg/kg
BW-05-SC-B-091218	09-31286-QC29R	Sulfide	12/22/2009	686	Yes	Y	J	J	9	71.5	0.37500	mg/kg
BW-07-SC-B-091218	09-31280-QC29L	Sulfide	12/22/2009	8.74	Yes	Y	J	J	9	1.67	0.00750	mg/kg
BW-07-SC-C-091218	09-31281-QC29M	Sulfide	12/22/2009	2.04	Yes	N	U	UJ	9	2.04	0.00750	mg/kg
BW-11-SC-A-091218	09-31276-QC29H	Sulfide	12/22/2009	313	Yes	Y	J	J	9	43.8	0.15000	mg/kg
BW-11-SC-B-091218	09-31277-QC29I	Sulfide	12/22/2009	952	Yes	Y	J	J	9	87.0	0.37500	mg/kg

Analytical Method Plumb 1981

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Total organic carbon	1/5/2010	3.31	Yes	Y				0.020	0.01040	pct
BW-01-SC-B-091218	09-31273-QC29E	Total organic carbon	1/5/2010	9.22	Yes	Y				0.020	0.01040	pct
BW-04-SC-B-091218	09-31270-QC29B	Total organic carbon	1/5/2010	9.62	Yes	Y				0.142	0.07384	pct
BW-04-SC-C-091218	09-31271-QC29C	Total organic carbon	1/5/2010	9.13	Yes	Y				0.020	0.01040	pct
BW-05-SC-A-091218	09-31285-QC29Q	Total organic carbon	1/5/2010	4.47	Yes	Y				0.020	0.01040	pct
BW-05-SC-B-091218	09-31286-QC29R	Total organic carbon	1/6/2010	2.77	Yes	Y				0.020	0.01040	pct
BW-07-SC-B-091218	09-31280-QC29L	Total organic carbon	1/5/2010	3.21	Yes	Y				0.020	0.01040	pct
BW-07-SC-C-091218	09-31281-QC29M	Total organic carbon	1/5/2010	7.17	Yes	Y				0.020	0.01040	pct
BW-11-SC-A-091218	09-31276-QC29H	Total organic carbon	1/5/2010	2.25	Yes	Y				0.020	0.01040	pct
BW-11-SC-B-091218	09-31277-QC29I	Total organic carbon	1/5/2010	8.2	Yes	Y				0.020	0.01040	pct
BW-55-A-091218	09-31289-QC29U	Total organic carbon	1/6/2010	4.82	Yes	Y				0.020	0.01040	pct

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Silt, Medium	1/12/2010	21	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Clay, Medium	1/12/2010	6.1	Yes	Y				0.1	0.1	pct

SDG: QC29

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Silt, Very Fine	1/12/2010	14.9	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Sand, Fine	1/12/2010	0.7	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Fines (silt + clay)	1/12/2010	94.1	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Gravel	1/12/2010	0.1	Yes	N	U			0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Clay, Coarse	1/12/2010	8.9	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Clay, Fine	1/12/2010	11.3	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Silt, Fine	1/12/2010	25.9	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Sand, Medium	1/12/2010	0.7	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Sand, Very Coarse	1/12/2010	1.9	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Sand, Very Fine	1/12/2010	1.7	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Silt, Coarse	1/12/2010	6	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Sand, Coarse	1/12/2010	0.8	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Silt, Coarse	1/12/2010	6	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Fines (silt + clay)	1/12/2010	73.3	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Silt, Very Fine	1/12/2010	12.2	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Silt, Medium	1/12/2010	11.2	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Silt, Fine	1/12/2010	15.2	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Clay, Medium	1/12/2010	6	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Sand, Very Coarse	1/12/2010	2.2	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Sand, Medium	1/12/2010	6.9	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Sand, Fine	1/12/2010	6.2	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Gravel	1/12/2010	4.1	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Clay, Coarse	1/12/2010	8.2	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Sand, Very Fine	1/12/2010	4	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Sand, Coarse	1/12/2010	3.2	Yes	Y				0.1	0.1	pct

SDG: QC29

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-B-091218	09-31273-QC29E	Clay, Fine	1/12/2010	14.6	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Sand, Medium	1/12/2010	19.4	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Sand, Very Fine	1/12/2010	6.8	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Silt, Fine	1/12/2010	4.2	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Silt, Very Fine	1/12/2010	2.8	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Sand, Very Coarse	1/12/2010	6.6	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Sand, Fine	1/12/2010	14.1	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Silt, Medium	1/12/2010	4.6	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Gravel	1/12/2010	21.4	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Fines (silt + clay)	1/12/2010	20.8	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Clay, Medium	1/12/2010	1.7	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Clay, Fine	1/12/2010	3.8	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Clay, Coarse	1/12/2010	2	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Silt, Coarse	1/12/2010	1.7	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Sand, Coarse	1/12/2010	10.9	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Silt, Very Fine	1/12/2010	3.6	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Fines (silt + clay)	1/12/2010	28.2	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Clay, Medium	1/12/2010	2.2	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Gravel	1/12/2010	7.8	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Sand, Coarse	1/12/2010	8.8	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Silt, Fine	1/12/2010	5.9	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Silt, Medium	1/12/2010	6.7	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Clay, Coarse	1/12/2010	2.7	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Silt, Coarse	1/12/2010	3.5	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Sand, Fine	1/12/2010	18.3	Yes	Y				0.1	0.1	pct

SDG: QC29

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-04-SC-C-091218	09-31271-QC29C	Sand, Medium	1/12/2010	23.7	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Sand, Very Fine	1/12/2010	8.3	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Sand, Very Coarse	1/12/2010	5	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Clay, Fine	1/12/2010	3.7	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Sand, Very Fine	1/12/2010	10.8	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Silt, Very Fine	1/12/2010	4.6	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Silt, Medium	1/12/2010	10.8	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Clay, Coarse	1/12/2010	3.3	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Sand, Very Coarse	1/12/2010	2.5	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Sand, Medium	1/12/2010	20.6	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Sand, Fine	1/12/2010	10.5	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Sand, Coarse	1/12/2010	6.7	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Gravel	1/12/2010	2.7	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Fines (silt + clay)	1/12/2010	46.3	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Clay, Fine	1/12/2010	4.7	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Silt, Fine	1/12/2010	8.1	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Clay, Medium	1/12/2010	2.5	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Silt, Coarse	1/12/2010	12.3	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Sand, Very Coarse	1/12/2010	1.2	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Sand, Very Fine	1/12/2010	11.6	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Silt, Fine	1/12/2010	14	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Gravel	1/12/2010	1.6	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Silt, Medium	1/12/2010	17.8	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Silt, Coarse	1/12/2010	17.4	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Sand, Medium	1/12/2010	5.1	Yes	Y				0.1	0.1	pct

SDG: QC29

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RI	MDI	Units
BW-05-SC-B-091218	09-31286-QC29R	Sand, Coarse	1/12/2010	1.7	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Fines (silt + clay)	1/12/2010	74.8	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Clay, Medium	1/12/2010	4.1	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Clay, Fine	1/12/2010	7	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Clay, Coarse	1/12/2010	5.4	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Silt, Very Fine	1/12/2010	9	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Sand, Fine	1/12/2010	3.9	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Gravel	1/12/2010	3.6	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Silt, Medium	1/12/2010	18.4	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Silt, Very Fine	1/12/2010	8.8	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Silt, Coarse	1/12/2010	13.2	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Sand, Very Fine	1/12/2010	3.9	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Sand, Very Coarse	1/12/2010	4.6	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Sand, Medium	1/12/2010	5.8	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Silt, Fine	1/12/2010	16.4	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Sand, Coarse	1/12/2010	7.2	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Fines (silt + clay)	1/12/2010	71.4	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Clay, Medium	1/12/2010	3.9	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Clay, Fine	1/12/2010	6.1	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Clay, Coarse	1/12/2010	4.7	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Sand, Fine	1/12/2010	3.4	Yes	Y				0.1	0.1	pct
BW-07-SC-C-091218	09-31281-QC29M	Sand, Very Fine	1/12/2010	8.4	Yes	Y				0.1	0.1	pct
BW-07-SC-C-091218	09-31281-QC29M	Clay, Medium	1/12/2010	2.5	Yes	Y				0.1	0.1	pct
BW-07-SC-C-091218	09-31281-QC29M	Fines (silt + clay)	1/12/2010	48.1	Yes	Y				0.1	0.1	pct
BW-07-SC-C-091218	09-31281-QC29M	Gravel	1/12/2010	1.1	Yes	Y				0.1	0.1	pct

SDG: QC29

Analytical Method		PSEP												
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units		
BW-07-SC-C-091218	09-31281-QC29M	Clay, Fine	1/12/2010	3.4	Yes	Y				0.1	0.1	pct		
BW-07-SC-C-091218	09-31281-QC29M	Clay, Coarse	1/12/2010	3.7	Yes	Y				0.1	0.1	pct		
BW-07-SC-C-091218	09-31281-QC29M	Sand, Coarse	1/12/2010	8.2	Yes	Y				0.1	0.1	pct		
BW-07-SC-C-091218	09-31281-QC29M	Sand, Fine	1/12/2010	11.7	Yes	Y				0.1	0.1	pct		
BW-07-SC-C-091218	09-31281-QC29M	Sand, Very Coarse	1/12/2010	2	Yes	Y				0.1	0.1	pct		
BW-07-SC-C-091218	09-31281-QC29M	Silt, Coarse	1/12/2010	12.1	Yes	Y				0.1	0.1	pct		
BW-07-SC-C-091218	09-31281-QC29M	Silt, Very Fine	1/12/2010	5.6	Yes	Y				0.1	0.1	pct		
BW-07-SC-C-091218	09-31281-QC29M	Silt, Medium	1/12/2010	11.1	Yes	Y				0.1	0.1	pct		
BW-07-SC-C-091218	09-31281-QC29M	Silt, Fine	1/12/2010	9.7	Yes	Y				0.1	0.1	pct		
BW-07-SC-C-091218	09-31281-QC29M	Sand, Medium	1/12/2010	20.5	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Sand, Very Fine	1/12/2010	7	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Clay, Coarse	1/12/2010	5.9	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Clay, Fine	1/12/2010	7.7	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Clay, Medium	1/12/2010	4.2	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Fines (silt + clay)	1/12/2010	87	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Silt, Medium	1/12/2010	23.8	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Silt, Coarse	1/12/2010	17.1	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Sand, Very Coarse	1/12/2010	1.5	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Sand, Medium	1/12/2010	1.2	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Sand, Fine	1/12/2010	2.1	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Sand, Coarse	1/12/2010	1	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Silt, Very Fine	1/12/2010	10.3	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Gravel	1/12/2010	0.3	Yes	Y				0.1	0.1	pct		
BW-11-SC-A-091218	09-31276-QC29H	Silt, Fine	1/12/2010	18.1	Yes	Y				0.1	0.1	pct		
BW-11-SC-B-091218	09-31277-QC29I	Sand, Medium	1/12/2010	16.5	Yes	Y				0.1	0.1	pct		

SDG: QC29

Analytical Method		PSEP		Chemical Name		Mod Res Report		Detect		Lab Qual		Val Qual		Reason		RL		MDL		Units	
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units									
BW-11-SC-B-091218	09-31277-QC29I	Clay, Coarse	1/12/2010	2.9	Yes	Y				0.1	0.1	pct									
BW-11-SC-B-091218	09-31277-QC29I	Clay, Fine	1/12/2010	3	Yes	Y				0.1	0.1	pct									
BW-11-SC-B-091218	09-31277-QC29I	Clay, Medium	1/12/2010	2.4	Yes	Y				0.1	0.1	pct									
BW-11-SC-B-091218	09-31277-QC29I	Fines (silt + clay)	1/12/2010	37.2	Yes	Y				0.1	0.1	pct									
BW-11-SC-B-091218	09-31277-QC29I	Gravel	1/12/2010	12.1	Yes	Y				0.1	0.1	pct									
BW-11-SC-B-091218	09-31277-QC29I	Sand, Coarse	1/12/2010	9.1	Yes	Y				0.1	0.1	pct									
BW-11-SC-B-091218	09-31277-QC29I	Sand, Fine	1/12/2010	10.1	Yes	Y				0.1	0.1	pct									
BW-11-SC-B-091218	09-31277-QC29I	Silt, Very Fine	1/12/2010	4.6	Yes	Y				0.1	0.1	pct									
BW-11-SC-B-091218	09-31277-QC29I	Silt, Medium	1/12/2010	8.2	Yes	Y				0.1	0.1	pct									
BW-11-SC-B-091218	09-31277-QC29I	Silt, Fine	1/12/2010	6.8	Yes	Y				0.1	0.1	pct									
BW-11-SC-B-091218	09-31277-QC29I	Silt, Coarse	1/12/2010	9.2	Yes	Y				0.1	0.1	pct									
BW-11-SC-B-091218	09-31277-QC29I	Sand, Very Fine	1/12/2010	8.2	Yes	Y				0.1	0.1	pct									
BW-11-SC-B-091218	09-31277-QC29I	Sand, Very Coarse	1/12/2010	6.8	Yes	Y				0.1	0.1	pct									
BW-55-A-091218	09-31289-QC29U	Clay, Medium	1/12/2010	2.4	Yes	Y				0.1	0.1	pct									
BW-55-A-091218	09-31289-QC29U	Clay, Fine	1/12/2010	4.5	Yes	Y				0.1	0.1	pct									
BW-55-A-091218	09-31289-QC29U	Sand, Coarse	1/12/2010	7.2	Yes	Y				0.1	0.1	pct									
BW-55-A-091218	09-31289-QC29U	Clay, Coarse	1/12/2010	3.3	Yes	Y				0.1	0.1	pct									
BW-55-A-091218	09-31289-QC29U	Silt, Fine	1/12/2010	7.6	Yes	Y				0.1	0.1	pct									
BW-55-A-091218	09-31289-QC29U	Sand, Very Coarse	1/12/2010	2.6	Yes	Y				0.1	0.1	pct									
BW-55-A-091218	09-31289-QC29U	Sand, Very Fine	1/12/2010	10.8	Yes	Y				0.1	0.1	pct									
BW-55-A-091218	09-31289-QC29U	Sand, Medium	1/12/2010	21.4	Yes	Y				0.1	0.1	pct									
BW-55-A-091218	09-31289-QC29U	Silt, Very Fine	1/12/2010	4.4	Yes	Y				0.1	0.1	pct									
BW-55-A-091218	09-31289-QC29U	Silt, Coarse	1/12/2010	13.1	Yes	Y				0.1	0.1	pct									
BW-55-A-091218	09-31289-QC29U	Fines (silt + clay)	1/12/2010	44.6	Yes	Y				0.1	0.1	pct									
BW-55-A-091218	09-31289-QC29U	Sand, Fine	1/12/2010	11	Yes	Y				0.1	0.1	pct									

SDG: QC29

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-55-A-091218	09-31289-QC29U	Silt, Medium	1/12/2010	9.3	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Gravel	1/12/2010	2.4	Yes	Y				0.1	0.1	pct

SDG: QC83

Analytical Method E350.1

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31639-QC83B	Ammonia	12/30/2009	5.03	Yes	Y				0.100	0.030	mg-N/L
BW-01-SC-B-091218	09-31640-QC83C	Ammonia	12/30/2009	5.46	Yes	Y				0.100	0.030	mg-N/L
BW-04-SC-B-091218	09-31638-QC83A	Ammonia	12/30/2009	4.9	Yes	Y				0.100	0.030	mg-N/L
BW-05-SC-A-091218	09-31645-QC83H	Ammonia	12/30/2009	11.6	Yes	Y				0.200	0.060	mg-N/L
BW-05-SC-B-091218	09-31646-QC83I	Ammonia	12/30/2009	31.4	Yes	Y				0.500	0.150	mg-N/L
BW-07-SC-B-091218	09-31643-QC83F	Ammonia	12/30/2009	31	Yes	Y				0.500	0.150	mg-N/L
BW-07-SC-C-091218	09-31644-QC83G	Ammonia	12/30/2009	14.5	Yes	Y				0.200	0.060	mg-N/L
BW-11-SC-A-091218	09-31641-QC83D	Ammonia	12/30/2009	5.53	Yes	Y				0.100	0.030	mg-N/L
BW-11-SC-B-091218	09-31642-QC83E	Ammonia	12/30/2009	11.8	Yes	Y				0.200	0.060	mg-N/L
BW-55-SC-A-091218	09-31647-QC83J	Ammonia	12/30/2009	11.8	Yes	Y				0.200	0.060	mg-N/L

Analytical Method E376.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31639-QC83B	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l
BW-01-SC-B-091218	09-31640-QC83C	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l
BW-04-SC-B-091218	09-31638-QC83A	Sulfide	12/23/2009	0.295	Yes	Y				0.250	0.065	mg/l
BW-05-SC-A-091218	09-31645-QC83H	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l
BW-05-SC-B-091218	09-31646-QC83I	Sulfide	12/23/2009	0.25	Yes	N	U			0.250	0.065	mg/l
BW-07-SC-B-091218	09-31643-QC83F	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l
BW-07-SC-C-091218	09-31644-QC83G	Sulfide	12/23/2009	0.48	Yes	Y				0.250	0.065	mg/l
BW-11-SC-A-091218	09-31641-QC83D	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l
BW-11-SC-B-091218	09-31642-QC83E	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l
BW-55-SC-A-091218	09-31647-QC83J	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l

SDG: QE27

PSEP

Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CR-REF 22%FINES	10-324-QE27A	Sand, Coarse	1/13/2010	0.7	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES	10-324-QE27A	Sand, Medium	1/13/2010	1	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES	10-324-QE27A	Gravel	1/13/2010	0.1	Yes	N	U			0.1	0.1	pct
CR-REF 22%FINES	10-324-QE27A	Fines (silt + clay)	1/13/2010	36.2	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES	10-324-QE27A	Sand, Fine	1/13/2010	19.7	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES	10-324-QE27A	Silt, Very Fine	1/13/2010	1.3	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES	10-324-QE27A	Clay, Fine	1/13/2010	2.8	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES	10-324-QE27A	Sand, Very Fine	1/13/2010	42	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES	10-324-QE27A	Clay, Medium	1/13/2010	0.9	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES	10-324-QE27A	Silt, Medium	1/13/2010	8	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES	10-324-QE27A	Silt, Fine	1/13/2010	3.1	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES	10-324-QE27A	Silt, Coarse	1/13/2010	18.9	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES	10-324-QE27A	Sand, Very Coarse	1/13/2010	0.3	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES	10-324-QE27A	Clay, Coarse	1/13/2010	1.2	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Silt, Medium	1/13/2010	21.8	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Silt, Very Fine	1/13/2010	13.8	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Silt, Fine	1/13/2010	17.6	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Silt, Coarse	1/13/2010	12.4	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Sand, Very Fine	1/13/2010	2.4	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Sand, Very Coarse	1/13/2010	0.1	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Sand, Medium	1/13/2010	0.5	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Sand, Fine	1/13/2010	0.5	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Gravel	1/13/2010	0.1	Yes	N	U			0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Fines (silt + clay)	1/13/2010	96.1	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Clay, Medium	1/13/2010	7.7	Yes	Y				0.1	0.1	pct

SDG: QE27

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CR-REF 95% FINES	10-325-QE27B	Clay, Fine	1/13/2010	13.4	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Clay, Coarse	1/13/2010	9.4	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Sand, Coarse	1/13/2010	0.4	Yes	Y				0.1	0.1	pct

Sample	Column	Surrogate	%R (Limits)	Compound	Flag	A or P
BW-04-SS-091218	PID FID	2,5-Dibromotoluene 2,5-Dibromotoluene	43.0 (60-140) 45.5 (60-140)	All TCL compounds	J (all detects) UJ (all non-detects)	A
BW-51-SS-091218	PID FID	2,5-Dibromotoluene 2,5-Dibromotoluene	54.9 (60-140) 58.8 (60-140)	All TCL compounds	J (all detects) UJ (all non-detects)	A
BW-11-SS-091218	PID FID	2,5-Dibromotoluene 2,5-Dibromotoluene	44.1 (60-140) 22.0 (60-140)	All TCL compounds	J (all detects) UJ (all non-detects)	A
BW-11-SS-091218RE	PID FID	2,5-Dibromotoluene 2,5-Dibromotoluene	58.8 (60-140) 54.6 (60-140)	All TCL compounds	J (all detects) UJ (all non-detects)	A

b. Matrix Spike/Matrix Spike Duplicates

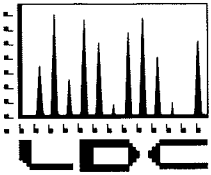
Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Affected Compound	Flag	A or P
BW-05-SS-091218MS/MSD (BW-05-SS-091218)	Methyl-tert-butyl ether	133 (70-130)	-	-	Methyl-tert-butyl ether	J (all detects)	A
BW-05-SS-091218MS/MSD (BW-05-SS-091218)	n-Pentane n-Hexane n-Octane n-Decane n-Dodecane	27.3 (70-130) 36.3 (70-130) 43.4 (70-130) 27.6 (70-130) 21.8 (70-130)	16.5 (70-130) 21.9 (70-130) 25.7 (70-130) 16.6 (70-130) 9.9 (70-130)	50.2 (≤ 40) 50.1 (≤ 40) 51.9 (≤ 40) 50.3 (≤ 40) 75.3 (≤ 40)	n-Pentane n-Hexane n-Octane n-Decane n-Dodecane All aliphatics	J (all detects) UJ (all non-detects)	A

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Affected Compound	Flag	A or P
LCS/LCSD-123109 (BW-51-SS-091218 BW-07-SS-091218 BW-11-SS-091218 MB-123109)	1-Methylnaphthalene	-	131 (70-130)	-	C12-C13 Aromatics	J (all detects)	P



LABORATORY DATA CONSULTANTS, INC.

7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Anchor QEA, LLC
1423 3rd Avenue, Suite 300
Seattle, WA 98101-2226
ATTN: Ms. Joy Dunay

February 9, 2010

SUBJECT: Bay Wood Products, Data Validation

Dear Ms. Dunay,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on January 18, 2010. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 22445:

<u>SDG #</u>	<u>Fraction</u>
QC26, QC27	Wet Chemistry, Volatile Petroleum Hydrocarbons, Extractable
QC29, QC83	Petroleum Hydrocarbons

The data validation was performed under EPA Level III guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008
- USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, October 2004
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; Update IV, February 2007

Please feel free to contact us if you have any questions.

Sincerely,

Stella S. Cuenco
Data Validation Operations Manager/Senior Chemist

**Bay Wood Products
Data Validation Reports
LDC #22445**

Wet Chemistry

LDC

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: December 18, 2009
LDC Report Date: February 2, 2010
Matrix: Sediment
Parameters: Wet Chemistry
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.
Sample Delivery Group (SDG): QC26

Sample Identification

BW-05-SS-091218
BW-01-SS-091218
BW-04-SS-091218
BW-51-SS-091218
BW-07-SS-091218
BW-11-SS-091218
BW-05-SS-091218MS
BW-05-SS-091218DUP
BW-05-SS-091218TRP

Introduction

This data review covers 9 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 350.1 for Ammonia as Nitrogen, EPA Method 376.2 for Sulfide, PSEP Method for Particle Size, Plumb Method for Total Organic Carbon, EPA Method 160.3 for Total Solids and Preserved Total Solids, and ASTM D2974 for Organic Matter.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the initial, continuing and preparation blanks with the following exceptions:

Sample	Analyte	Finding	Criteria	Flag	A or P
BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-07-SS-091218 BW-11-SS-091218	Ammonia as N	More than twenty samples were associated to the method blank.	No more than twenty samples should be associated to the method blank.	None	P

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) analyses were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Duplicates/Triplicates

Duplicate (DUP) and Triplicate (TRP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits with the following exceptions:

DUP ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
BW-05-SS-091218DUP (BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-07-SS-091218 BW-11-SS-091218)	Sulfide	37.2 (≤ 20)	J (all detects) UJ (all non-detects)	A

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

Sample	Analyte	Finding	Criteria	Flag	A or P
BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-07-SS-091218 BW-11-SS-091218	Ammonia as N	More than twenty samples were associated to the laboratory control sample.	No more than twenty samples should be associated to the laboratory control sample.	None	P

VII. Sample Result Verification

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due DUP sample RPD problems, sulfide results were qualified as estimated in five samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Level III data validation all other results are considered valid and usable for all purposes.

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

Samples BW-01-SS-091218 and BW-51-SS-091218 were identified as field duplicates. No contaminant concentrations were detected in any of the samples with the following exceptions:

Analyte	Concentration (%)		RPD
	BW-01-SS-091218	BW-51-SS-091218	
Total solids	43.80	43.80	0
Total organic carbon	2.55	2.18	16
Organic matter	7.99	7.80	2

Analyte	Percent Finer		RPD
	BW-01-SS-091218	BW-51-SS-091218	
1000 um	99.8	99.0	1
500 um	99.2	97.8	1
250 um	98.6	96.6	2
125 um	98.3	95.9	2
63 um	97.8	95.1	3

X. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Wet Chemistry - Data Qualification Summary - SDG QC26**

SDG	Sample	Analyte	Flag	A or P	Reason
QC26	BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-07-SS-091218 BW-11-SS-091218	Ammonia as N	None	P	Laboratory blanks
QC26	BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-07-SS-091218 BW-11-SS-091218	Sulfide	J (all detects) UJ (all non-detects)	A	Duplicate analyses (RPD)
QC26	BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-07-SS-091218 BW-11-SS-091218	Ammonia as N	None	P	Laboratory control samples

**Bay Wood Products
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG QC26**

No Sample Data Qualified in this SDG

LDC #: 22445A6

VALIDATION COMPLETENESS WORKSHEET

Date: 1-28-10

SDG #: QC26

Level III

Page: 1 of 1

Laboratory: Analytical Resources, Inc.

Reviewer: CR

2nd Reviewer: W

METHOD: (Analyte) Ammonia-N (EPA Method 350.1), Sulfide (EPA Method 376.2), Particle Size (PSEP), Total Organic Carbon (Plumb 1981), Total Solids and Preserved Total Solids(EPA Method 160.3), Organic Matter (ASTM D2974)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 12/18/09
Ia.	Initial calibration	A	
Iib.	Calibration verification	A	
III.	Blanks	SW	
IV	Matrix Spike/Matrix Spike Duplicates	A	MS
V	Duplicates / Triplicate	SW	Dup, Trip
VI.	Laboratory control samples	SW	LCS
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	(2,4)
X	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: Sediment

1	BW-05-SS-091218	11	POS	21		31	
2	BW-01-SS-091218	12		22		32	
3	BW-04-SS-091218	13		23		33	
4	BW-51-SS-091218	14		24		34	
5	BW-07-SS-091218	15		25		35	
6	BW-11-SS-091218	16		26		36	
7	BW-05-SS-091218MS	17		27		37	
8	BW-05-SS-091218MSD	18		28		38	
9	BW-05-SS-091218DUP	19		29		39	
10	BW-05-SS-091218TR/P	20		30		40	

Notes: _____

LDC# 22445A6
 SDG#: See Cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
 Reviewer: [Signature]
 2nd Reviewer: [Signature]

Inorganics, Method See Cover

Y N NA Were field duplicate pairs identified in this SDG?
 Y N NA Were target analytes detected in the field duplicate pairs?

Analyte	Concentration (%)		RPD	
	2	4		
Total Solids	43.80	43.80	0	
Total Organic Carbon	2.55	2.18	16	
Organic Matter	7.99	7.80	2	

V:\FIELD DUPLICATES\FD_inorganic\22445A6wpd.wpd

Particle Size	Percent Finer		RPD	
	2	4		
1000 um	99.8	99.0	1	
500 um	99.2	97.8	1	
250 um	98.6	96.6	2	
125 um	98.3	95.9	2	
63 um	97.8	95.1	3	

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: January 5, 2010
LDC Report Date: February 4, 2010
Matrix: Sediment
Parameters: Particle Size
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.
Sample Delivery Group (SDG): QE27

Sample Identification

CR-Ref 22%fines
CR-Ref 95%fines
CR-Ref 95%finesDUP
CR-Ref 95%finesTRP

Introduction

This data review covers 4 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per PSEP Method for Particle Size.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable.

III. Blanks

Method blank review was not required by the method.

IV. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

V. Duplicates/Triplicates

Duplicate (DUP) and Triplicate (TRP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VI. Laboratory Control Samples

Laboratory control samples (LCS) were not required by the method.

VII. Sample Result Verification

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the Level III data validation all results are considered valid and usable for all purposes.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Particle Size - Data Qualification Summary - SDG QE27**

No Sample Data Qualified in this SDG

**Bay Wood Products
Particle Size - Laboratory Blank Data Qualification Summary - SDG QE27**

No Sample Data Qualified in this SDG

LDC #: 22445B6

VALIDATION COMPLETENESS WORKSHEET

Date: 1-28-10

SDG #: Q627

Level III

Page: 1 of 1

Laboratory: Analytical Resources, Inc.

Reviewer: CR

2nd Reviewer: W

METHOD: (Analyte) Particle Size (PSEP)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 1/5/10
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	N	Not required for method
IV	Matrix Spike/Matrix Spike Duplicates	N	Client specified
V	Duplicates <i>Triplicates</i>	A	DUP, TRIP
VI.	Laboratory control samples	N	Not required for method
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X	Field blanks	N	

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet

ND = No compounds detected
 R = Rinsate
 FB = Field blank

D = Duplicate
 TB = Trip blank
 EB = Equipment blank

Validated Samples:
sediment

1	CR-Ref 22% fines	11		21		31	
2	CR-Ref 95% fines	12		22		32	
3	CR-Ref 95% fines DUP	13		23		33	
4	CR-Ref 95% fines TR/P	14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes: _____

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: December 18, 2009
LDC Report Date: February 8, 2010
Matrix: Sediment
Parameters: Wet Chemistry
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.
Sample Delivery Group (SDG): QC29

Sample Identification

BW-04-SC-B-091218
BW-04-SC-C-091218
BW-01-SC-A-091218
BW-01-SC-B-091218
BW-11-SC-A-091218
BW-11-SC-B-091218
BW-07-SC-B-091218
BW-07-SC-C-091218
BW-05-SC-A-091218
BW-05-SC-B-091218
BW-55-SC-A-091218

Introduction

This data review covers 11 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 350.1 for Ammonia as Nitrogen, EPA Method 376.2 for Sulfide, PSEP Method for Particle Size, Plumb Method for Total Organic Carbon, EPA Method 160.3 for Total Solids and Preserved Total Solids, and ASTM D2974 for Organic Matter.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the initial, continuing and preparation blanks with the following exceptions:

Sample	Analyte	Finding	Criteria	Flag	A or P
All samples in SDG QC29	Ammonia as N	More than twenty samples were associated to the method blank.	No more than twenty samples should be associated to the method blank.	None	P

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) analyses were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Duplicates/Triplicates

Duplicate (DUP) and Triplicate (TRP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits with the following exceptions:

DUP ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
BW-05-SS-091218DUP (BW-04-SC-B-091218 BW-04-SC-C-091218 BW-01-SC-A-091218 BW-01-SC-B-091218 BW-11-SC-A-091218 BW-11-SC-B-091218 BW-07-SC-B-091218 BW-07-SC-C-091218 BW-05-SC-A-091218 BW-05-SC-B-091218)	Sulfide	37.2 (≤ 20)	J (all detects) UJ (all non-detects)	A

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Sample	Analyte	Finding	Criteria	Flag	A or P
All samples in SDG QC29	Ammonia as N	More than twenty samples were associated to the laboratory control sample.	No more than twenty samples should be associated to the laboratory control sample.	None	P

VII. Sample Result Verification

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due DUP sample RPD problems, sulfide results were qualified as estimated in eleven samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Level III data validation all other results are considered valid and usable for all purposes.

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

Samples BW-05-SC-A-091218 and BW-55-SC-A-091218 were identified as field duplicates. No contaminant concentrations were detected in any of the samples with the following exceptions:

Analyte	Concentration (%)		RPD
	BW-05-SC-A-091218	BW-55-SC-A-091218	
Total solids	59.60	57.70	3
Total organic carbon	4.47	4.82	8
Organic matter	13.93	14.29	3

Analyte	Concentration (mg/Kg)		RPD
	BW-05-SC-A-091218	BW-55-SC-A-091218	
Ammonia as N	18.3	18.3	0

Analyte	Percent Finer		RPD
	BW-01-SS-091218	BW-51-SS-091218	
4750 um	99.0	99.0	0
2000um	97.3	97.6	0
1000 um	94.9	95.0	0
500 um	88.1	87.8	0
250 um	67.5	66.4	2
125 um	57.1	55.4	3
63 um	46.3	44.6	4

X. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Wet Chemistry - Data Qualification Summary - SDG QC29**

SDG	Sample	Analyte	Flag	A or P	Reason
QC29	BW-04-SC-B-091218 BW-04-SC-C-091218 BW-01-SC-A-091218 BW-01-SC-B-091218 BW-11-SC-A-091218 BW-11-SC-B-091218 BW-07-SC-B-091218 BW-07-SC-C-091218 BW-05-SC-A-091218 BW-05-SC-B-091218 BW-55-SC-A-091218	Ammonia as N	None	P	Laboratory blanks
QC29	BW-04-SC-B-091218 BW-04-SC-C-091218 BW-01-SC-A-091218 BW-01-SC-B-091218 BW-11-SC-A-091218 BW-11-SC-B-091218 BW-07-SC-B-091218 BW-07-SC-C-091218 BW-05-SC-A-091218 BW-05-SC-B-091218	Sulfide	J (all detects) UJ (all non-detects)	A	Duplicate analyses (RPD)
QC29	BW-04-SC-B-091218 BW-04-SC-C-091218 BW-01-SC-A-091218 BW-01-SC-B-091218 BW-11-SC-A-091218 BW-11-SC-B-091218 BW-07-SC-B-091218 BW-07-SC-C-091218 BW-05-SC-A-091218 BW-05-SC-B-091218 BW-55-SC-A-091218	Ammonia as N	None	P	Laboratory control samples

**Bay Wood Products
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG QC29**

No Sample Data Qualified in this SDG

LDC #: 22445C6

VALIDATION COMPLETENESS WORKSHEET

Date: 1-28-10

SDG #: QC29

Level III

Page: 1 of 1

Laboratory: Analytical Resources, Inc.

Reviewer: *CS*

2nd Reviewer: *W*

METHOD: (Analyte) Ammonia-N (EPA Method 350.1), Sulfide (EPA Method 376.2), Particle Size (PSEP), Total Organic Carbon (Plumb 1981), Total Solids and Preserved Total Solids(EPA Method 160.3), Organic Matter (ASTM D2974)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 12/18/09
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	SW	
IV.	Matrix Spike/Matrix Spike Duplicates	NA	Client specified MS(SD6 & QC26)
V.	Duplicates (Triplicates)	SW	EB D, P, TRP ↓
VI.	Laboratory control samples	SW	LCS/D
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	(9,11)
X.	Field blanks	N	

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet

ND = No compounds detected
 R = Rinsate
 FB = Field blank

D = Duplicate
 TB = Trip blank
 EB = Equipment blank

Validated Samples:

Sediment

1	BW-04-SC-B-091218	11	BW-55- ^{SC-} A-091218	21	<i>PBS</i>	31	
2	BW-04-SC-C-091218	12		22		32	
3	BW-01-SC-A-091218	13		23		33	
4	BW-01-SC-B-091218	14		24		34	
5	BW-11-SC-A-091218	15		25		35	
6	BW-11-SC-B-091218	16		26		36	
7	BW-07-SC-B-091218	17		27		37	
8	BW-07-SC-C-091218	18		28		38	
9	BW-05-SC-A-091218	19		29		39	
10	BW-05-SC-B-091218	20		30		40	

Notes: _____

LDC# 22445A6
 SDG#: See Cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
 Reviewer: CR
 2nd Reviewer: [Signature]

Inorganics, Method See Cover

Y N NA Were field duplicate pairs identified in this SDG?
Y N NA Were target analytes detected in the field duplicate pairs?

Analyte	Concentration (%)		RPD	
	9	11		
Total Solids	59.60	57.70	3	
Total Organic Carbon	4.47	4.82	8	
Ammonia as N (mg/Kg)	18.3	18.3	0	
Organic Matter	13.93	14.29	3	

V:\FIELD DUPLICATES\FD_inorganic\22445C6wpd.wpd

Particle Size	Percent Finer		RPD	
	9	11		
4750 um	99.0	99.0	0	
2000um	97.3	97.6	0	
1000 um	94.9	95.0	0	
500 um	88.1	87.8	0	
250 um	67.5	66.4	2	
125 um	57.1	55.4	3	
63 um	46.3	44.6	4	

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: Bay Wood Products
Collection Date: December 18, 2009
LDC Report Date: February 1, 2010
Matrix: Sediment
Parameters: Ammonia as Nitrogen & Sulfide
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.

Sample Delivery Group (SDG): QC83

Sample Identification

BW-04-SC-B-091218
BW-01-SC-A-091218
BW-01-SC-B-091218
BW-11-SC-A-091218
BW-11-SC-B-091218
BW-07-SC-B-091218
BW-07-SC-C-091218
BW-05-SC-A-091218
BW-05-SC-B-091218
BW-55-SC-A-091218
BW-01-SC-A-091218MS
BW-01-SC-A-091218DUP

Introduction

This data review covers 12 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 350.1 for Ammonia as Nitrogen and EPA Method 376.2 for Sulfide.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration of each method were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met for each method when applicable.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No ammonia as nitrogen or sulfide contaminants were found in the initial, continuing and preparation blanks.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) analyses were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Duplicates

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Relative percent differences (RPD) were within QC limits.

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VII. Sample Result Verification

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the Level III data validation all results are considered valid and usable for all purposes.

IX. Field Duplicates

Samples BW-05-SC-A-091218 and BW-55-SC-A-091218 were identified as field duplicates. No ammonia as nitrogen or sulfide was detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD
	BW-05-SC-A-091218	BW-55-SC-A-091218	
Ammonia as N	11.6	11.8	2

X. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Ammonia as Nitrogen & Sulfide - Data Qualification Summary - SDG QC83**

No Sample Data Qualified in this SDG

**Bay Wood Products
Ammonia as Nitrogen & Sulfide - Laboratory Blank Data Qualification Summary -
SDG QC83**

No Sample Data Qualified in this SDG

LDC #: 22445D6

VALIDATION COMPLETENESS WORKSHEET

SDG #: QC83

Level III

Laboratory: Analytical Resources, Inc.

Date: 1-28-10

Page: 1 of 1

Reviewer: CR

2nd Reviewer: ✓

METHOD: (Analyte) Ammonia-N (EPA Method 350.1), Sulfide (EPA Method 376.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 12/23/09 12/18/09
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	A	
IV	Matrix Spike/Matrix Spike Duplicates	A	MS
V	Duplicates	A	DUP
VI.	Laboratory control samples	A	LCS/D
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	(8,10)
X	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:

sediment

1	BW-04-SC-B-091218	11	BW-01-SC-A-091218MS	21	MS	31	
2	BW-01-SC-A-091218	12	BW-01-SC-A-091218MSD	22		32	
3	BW-01-SC-B-091218	13	BW-01-SC-A-091218DUP	23		33	
4	BW-11-SC-A-091218	14		24		34	
5	BW-11-SC-B-091218	15		25		35	
6	BW-07-SC-B-091218	16		26		36	
7	BW-07-SC-C-091218	17		27		37	
8	BW-05-SC-A-091218	18		28		38	
9	BW-05-SC-B-091218	19		29		39	
10	BW-55-SC-A-091218	20		30		40	

Notes:

sewage extractions

LDC #: 2244506
 SDG #: QC83

VALIDATION FINDINGS WORKSHEET
Sample Specific Analysis Reference

Page: 1 of 1
 Reviewer: CR
 2nd reviewer: [Signature]

All circled methods are applicable to each sample.

Sample ID	Parameter
I-10	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' (NH ₃) TKN TOC CR ⁶⁺ <u>Sulfide</u>
QC: 11	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' (NH ₃) TKN TOC CR ⁶⁺
X	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
13	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' (NH ₃) TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺
	pH TDS Cl F NO ₃ NO ₂ SO ₄ PO ₄ ALK CN' NH ₃ TKN TOC CR ⁶⁺

Comments: _____

LDC# 22445D6
SDG#: See Cover

VALIDATION FINDINGS WORKSHEET

Field Duplicates

Page: 1 of 1
Reviewer: CR
2nd Reviewer: W

Inorganics, Method See Cover

Y N NA
Y N NA

Were field duplicate pairs identified in this SDG?
Were target analytes detected in the field duplicate pairs?

Analyte	Concentration (mg/L)		RPD	
	8	10		
Ammonia as N	11.6	11.8	2	

V:\FIELD DUPLICATES\FD_inorganic\22445D6wpd.wpd

**Bay Wood Products
Data Validation Reports
LDC #22445**

Volatile Petroleum Hydrocarbons

LDC

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Bay Wood Products
Collection Date: December 18, 2009
LDC Report Date: February 8, 2010
Matrix: Sediment
Parameters: Volatile Petroleum Hydrocarbons
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.

Sample Delivery Group (SDG): QC26

Sample Identification

BW-05-SS-091218
BW-01-SS-091218
BW-04-SS-091218
BW-04-SS-091218RE
BW-51-SS-091218
BW-51-SS-091218RE
BW-07-SS-091218
BW-11-SS-091218
BW-11-SS-091218RE
BW-05-SS-091218MS
BW-05-SS-091218MSD
BW-05-SS-091218DUP

Introduction

This data review covers 12 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per Method WA DOE VPH for Volatile Petroleum Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met with the following exceptions:

Sample	Compound	Total Days From Sample Collection Until Analysis	Required Holding Time (in Days) From Sample Collection Until Analysis	Flag	A or P
BW-04-SS-091218RE BW-51-SS-091218RE BW-11-SS-091218RE	All TCL compounds	19	14	J (all detects) UJ (all non-detects)	A

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 20.0% QC limits.

The percent difference (%D) of the second source calibration standard were less than or equal to 20.0% for all compounds.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile petroleum hydrocarbon contaminants were found in the method blanks.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Column	Surrogate	%R (Limits)	Compound	Flag	A or P
BW-04-SS-091218	PID FID	2,5-Dibromotoluene 2,5-Dibromotoluene	43.0 (60-140) 45.5 (60-140)	All TCL compounds	J (all detects) UJ (all non-detects)	A
BW-51-SS-091218	PID FID	2,5-Dibromotoluene 2,5-Dibromotoluene	54.9 (60-140) 58.8 (60-140)	All TCL compounds	J (all detects) UJ (all non-detects)	A
BW-11-SS-091218	PID FID	2,5-Dibromotoluene 2,5-Dibromotoluene	44.1 (60-140) 22.0 (60-140)	All TCL compounds	J (all detects) UJ (all non-detects)	A
BW-11-SS-091218RE	PID FID	2,5-Dibromotoluene 2,5-Dibromotoluene	58.8 (60-140) 54.6 (60-140)	All TCL compounds	J (all detects) UJ (all non-detects)	A

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Affected Compound	Flag	A or P
BW-05-SS-091218MS/MSD (BW-05-SS-091218)	Methyl-tert-butyl ether	133 (70-130)	-	-	Methyl-tert-butyl ether	J (all detects)	A
BW-05-SS-091218MS/MSD (BW-05-SS-091218)	n-Pentane n-Hexane n-Octane n-Decane n-Dodecane	27.3 (70-130) 36.3 (70-130) 43.4 (70-130) 27.6 (70-130) 21.8 (70-130)	16.5 (70-130) 21.9 (70-130) 25.7 (70-130) 16.6 (70-130) 9.9 (70-130)	50.2 (≤ 40) 50.1 (≤ 40) 51.9 (≤ 40) 50.3 (≤ 40) 75.3 (≤ 40)	n-Pentane n-Hexane n-Octane n-Decane n-Dodecane All aliphatics	J (all detects) UJ (all non-detects)	A

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Affected Compound	Flag	A or P
LCS/LCSD-123109 (BW-51-SS-091218 BW-07-SS-091218 BW-11-SS-091218 MB-123109)	1-Methylnaphthalene	-	131 (70-130)	-	C12-C13 Aromatics	J (all detects)	P

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method.

Due to surrogate and MS/MSD %R problems, data were qualified as estimated in four samples.

No data were qualified due to a high LCSD %R, the associated results were non-detected.

In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
BW-04-SS-091218RE BW-51-SS-091218RE BW-11-SS-091218RE	All TCL compounds	R	A

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be rejected (R) are unusable for all purposes. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Level III data validation all other results are considered valid and usable for all purposes.

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

Samples BW-01-SS-091218 and BW-51-SS-091218 and samples BW-01-SS-091218 and BW-51-SS-091218RE were identified as field duplicates. No volatile petroleum hydrocarbons were detected in any of the samples.

X. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Volatile Petroleum Hydrocarbons - Data Qualification Summary - SDG QC26**

SDG	Sample	Compound	Flag	A or P	Reason
QC26	BW-04-SS-091218RE BW-51-SS-091218RE BW-11-SS-091218RE	All TCL compounds	J (all detects) UJ (all non-detects)	A	Technical holding times
QC26	BW-04-SS-091218 BW-51-SS-091218 BW-11-SS-091218 BW-11-SS-091218RE	All TCL compounds	J (all detects) UJ (all non-detects)	A	Surrogate recovery (%R)
QC26	BW-05-SS-091218	Methyl-tert-butyl ether	J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)
QC26	BW-05-SS-091218	n-Pentane n-Hexane n-Octane n-Decane n-Dodecane All aliphatics	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
QC26	BW-51-SS-091218 BW-07-SS-091218 BW-11-SS-091218	C12-C13 Aromatics	J (all detects)	P	Laboratory control samples (%R)
QC26	BW-04-SS-091218RE BW-51-SS-091218RE BW-11-SS-091218RE	All TCL compounds	R	A	Overall assessment of data

**Bay Wood Products
Volatile Petroleum Hydrocarbons - Laboratory Blank Data Qualification Summary -
SDG QC26**

No Sample Data Qualified in this SDG

LDC #: 22445A7

VALIDATION COMPLETENESS WORKSHEET

Date: 9/2/10

SDG #: QC26

Level III

Page: 1 of 1

Laboratory: Analytical Resources, Inc.

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: Volatile Petroleum Hydrocarbons (WA DOE VPH)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	W	Sampling dates: 12/18/09
IIa.	Initial calibration	A	
IIb.	Calibration verification/ICV	A	10V/100V = 20/0
III.	Blanks	A	
IVa.	Surrogate recovery	W	
IVb.	Matrix spike/Matrix spike duplicates	W	
IVc.	Laboratory control samples	W	LCS 0
V.	Target compound identification	N	
VI.	Compound Quantitation and CRQLs	N	
VII.	System Performance	N	
VIII.	Overall assessment of data	W	
IX.	Field duplicates	ND	D = 2 + 5, 2 + 6
X.	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:

1	BW-05-SS-091218	11	BW-05-SS-091218MSD	21	MB-123009	31	
2	BW-01-SS-091218	12	BW-05-SS-091218DUP	22	MB-010510	32	
3	BW-04-SS-091218	13		23	MB-123109	33	
4	BW-04-SS-091218DLR	14		24		34	
5	BW-51-SS-091218	15		25		35	
6	BW-51-SS-091218DLR	16		26		36	
7	BW-07-SS-091218	17		27		37	
8	BW-11-SS-091218	18		28		38	
9	BW-11-SS-091218DLR	19		29		39	
10	BW-05-SS-091218MS	20		30		40	

Notes:

**Bay Wood Products
Data Validation Reports
LDC #22445**

Extractable Petroleum Hydrocarbons

LDC

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Bay Wood Products
Collection Date: December 18, 2009
LDC Report Date: February 8, 2010
Matrix: Sediment
Parameters: Extractable Petroleum Hydrocarbons
Validation Level: EPA Level III
Laboratory: Analytical Resources, Inc.

Sample Delivery Group (SDG): QC26

Sample Identification

BW-05-SS-091218
BW-01-SS-091218
BW-04-SS-091218
BW-51-SS-091218
BW-07-SS-091218
BW-11-SS-091218
BW-05-SS-091218MS
BW-05-SS-091218MSD

Introduction

This data review covers 8 sediment samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per Method WA DOE EPH for Extractable Petroleum Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 20.0% QC limits with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
12/14/09	C21-C34 Aliphatics	24	All samples in SDG QC26	J (all detects) UJ (all non-detects)	A

The percent difference (%D) of the second source calibration standard were less than or equal to 20.0% for all compounds.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No extractable petroleum hydrocarbon contaminants were found in the method blanks.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to calibration %D problems, data were qualified as estimated in six samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Level III data validation all other results are considered valid and usable for all purposes.

IX. Field Duplicates

Samples BW-01-SS-091218 and BW-51-SS-091218 were identified as field duplicates. No extractable petroleum hydrocarbons were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/Kg)		RPD
	BW-01-SS-091218	BW-51-SS-091218	
C21-C34 Aliphatics	18000	16000	12
C21-C34 Aromatics	5600	6300	12

X. Field Blanks

No field blanks were identified in this SDG.

**Bay Wood Products
Extractable Petroleum Hydrocarbons - Data Qualification Summary - SDG QC26**

SDG	Sample	Compound	Flag	A or P	Reason
QC26	BW-05-SS-091218 BW-01-SS-091218 BW-04-SS-091218 BW-51-SS-091218 BW-07-SS-091218 BW-11-SS-091218	C21-C34 Aliphatics	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)

**Bay Wood Products
Extractable Petroleum Hydrocarbons - Laboratory Blank Data Qualification Summary
- SDG QC26**

No Sample Data Qualified in this SDG

METHOD: Extractable Petroleum Hydrocarbons (WA DOE EPH)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	★	Sampling dates: 12/18/09
IIa.	Initial calibration	★	
IIb.	Calibration verification/ICV	W	ICV/CCV ≤ 2070
III.	Blanks	★	
IVa.	Surrogate recovery	★	
IVb.	Matrix spike/Matrix spike duplicates	★	
IVc.	Laboratory control samples	★	LCS
V.	Target compound identification	N	
VI.	Compound Quantitation and CRQLs	N	
VII.	System Performance	N	
VIII.	Overall assessment of data	★	
IX.	Field duplicates	W	D = 2 + 4
X.	Field blanks	N	

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet

ND = No compounds detected
 R = Rinsate
 FB = Field blank

D = Duplicate
 TB = Trip blank
 EB = Equipment blank

Validated Samples:

MM seeds

1	BW-05-SS-091218	11	MB-122809	21		31	
2	BW-01-SS-091218	12		22		32	
3	BW-04-SS-091218	13		23		33	
4	BW-51-SS-091218	14		24		34	
5	BW-07-SS-091218	15		25		35	
6	BW-11-SS-091218	16		26		36	
7	BW-05-SS-091218MS	17		27		37	
8	BW-05-SS-091218MSD	18		28		38	
9		19		29		39	
10		20		30		40	

Notes: _____

LDC #: 22445A8
 SDG # See cond

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
 Reviewer: [Signature]
 2nd reviewer: [Signature]

METHOD: GC HPLC (EPA _____)

Y N N/A Were field duplicate pairs identified in this SDG?
 Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (<u>ug/L</u>)		RPD
	<u>2</u>	<u>4</u>	
<u>C2-C34 Aliphatics</u>	<u>18000</u>	<u>16000</u>	<u>12</u>
<u>C2-C34 Aromatics</u>	<u>5600</u>	<u>6300</u>	<u>12</u>

Compound	Concentration (_____)		RPD

Compound	Concentration (_____)		RPD

Compound	Concentration (_____)		RPD

Bay Wood Products

LDC #22445

EDD Print-outs

LDC

Bay Wood Products - LDC 22445

SDG: QC26

Analytical Method		D2974													
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units			
BW-01-SS-091218	09-31262-QC26B	Total volatile solids/organic matter	1/9/2010	7.99	Yes	Y				0.0100	0.0100	pct			
BW-01-SS-091218	09-31262-QC26B	Total solids	1/9/2010	43.64	Yes	Y				0.0100	0.0100	pct			
BW-01-SS-091218	09-31262-QC26B	Ash Content	1/9/2010	92.01	Yes	Y				0.0100	0.0100	pct			
BW-04-SS-091218	09-31263-QC26C	Total volatile solids/organic matter	1/9/2010	14.19	Yes	Y				0.0100	0.0100	pct			
BW-04-SS-091218	09-31263-QC26C	Ash Content	1/9/2010	85.81	Yes	Y				0.0100	0.0100	pct			
BW-04-SS-091218	09-31263-QC26C	Total solids	1/9/2010	50.83	Yes	Y				0.0100	0.0100	pct			
BW-05-SS-091218	09-31261-QC26A	Ash Content	1/9/2010	94.46	Yes	Y				0.0100	0.0100	pct			
BW-05-SS-091218	09-31261-QC26A	Total volatile solids/organic matter	1/9/2010	5.54	Yes	Y				0.0100	0.0100	pct			
BW-05-SS-091218	09-31261-QC26A	Total solids	1/9/2010	62.9	Yes	Y				0.0100	0.0100	pct			
BW-07-SS-091218	09-31265-QC26E	Ash Content	1/9/2010	81.61	Yes	Y				0.0100	0.0100	pct			
BW-07-SS-091218	09-31265-QC26E	Total volatile solids/organic matter	1/9/2010	18.39	Yes	Y				0.0100	0.0100	pct			
BW-07-SS-091218	09-31265-QC26E	Total solids	1/9/2010	63.11	Yes	Y				0.0100	0.0100	pct			
BW-11-SS-091218	09-31266-QC26F	Ash Content	1/9/2010	83.83	Yes	Y				0.0100	0.0100	pct			
BW-11-SS-091218	09-31266-QC26F	Total volatile solids/organic matter	1/9/2010	16.17	Yes	Y				0.0100	0.0100	pct			
BW-11-SS-091218	09-31266-QC26F	Total solids	1/9/2010	51.58	Yes	Y				0.0100	0.0100	pct			
BW-51-SS-091218	09-31264-QC26D	Ash Content	1/9/2010	92.2	Yes	Y				0.0100	0.0100	pct			
BW-51-SS-091218	09-31264-QC26D	Total volatile solids/organic matter	1/9/2010	7.8	Yes	Y				0.0100	0.0100	pct			
BW-51-SS-091218	09-31264-QC26D	Total solids	1/9/2010	43.76	Yes	Y				0.0100	0.0100	pct			

E160.3

Analytical Method													
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units	
BW-01-SS-091218	09-31262-QC26B	Total solids	12/23/2009	43.8	Yes	Y				0.01		pct	
BW-04-SS-091218	09-31263-QC26C	Total solids	12/23/2009	46.6	Yes	Y				0.01		pct	
BW-05-SS-091218	09-31261-QC26A	Total solids	12/23/2009	62.8	Yes	Y				0.01		pct	
BW-07-SS-091218	09-31265-QC26E	Total solids	12/23/2009	55.6	Yes	Y				0.01		pct	

SDG: QC26

E160.3												
Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
	BW-11-SS-091218	Total solids	12/23/2009	46.8	Yes	Y				0.01		pct
	BW-51-SS-091218	Total solids	12/23/2009	43.8	Yes	Y				0.01		pct
E160.3-PRES												
Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
	BW-01-SS-091218	Total Solids (preserved)	12/23/2009	43.7	Yes	Y				0.01		pct
	BW-04-SS-091218	Total Solids (preserved)	12/23/2009	45.4	Yes	Y				0.01		pct
	BW-05-SS-091218	Total Solids (preserved)	12/23/2009	55.9	Yes	Y				0.01		pct
	BW-07-SS-091218	Total Solids (preserved)	12/23/2009	62.7	Yes	Y				0.01		pct
	BW-11-SS-091218	Total Solids (preserved)	12/23/2009	44.7	Yes	Y				0.01		pct
E350.1M												
Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
	BW-01-SS-091218	Ammonia	12/21/2009	4.96	Yes	Y				0.21	0.03000	mg-N/k
	BW-04-SS-091218	Ammonia	12/21/2009	3.04	Yes	Y				0.21	0.03000	mg-N/k
	BW-05-SS-091218	Ammonia	12/21/2009	4.07	Yes	Y				0.16	0.03000	mg-N/k
	BW-07-SS-091218	Ammonia	12/21/2009	6.54	Yes	Y				0.18	0.03000	mg-N/k
	BW-11-SS-091218	Ammonia	12/21/2009	6.35	Yes	Y				0.21	0.03000	mg-N/k
E376.2												
Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
	BW-01-SS-091218	Sulfide	12/22/2009	116	Yes	Y	J	J	9	11.5	0.03750	mg/kg
	BW-04-SS-091218	Sulfide	12/22/2009	39.6	Yes	Y	J	J	9	4.47	0.01500	mg/kg
	BW-05-SS-091218	Sulfide	12/22/2009	23.2	Yes	Y	J	J	9	1.81	0.00750	mg/kg
	BW-07-SS-091218	Sulfide	12/22/2009	49	Yes	Y	J	J	9	7.96	0.03750	mg/kg
	BW-11-SS-091218	Sulfide	12/22/2009	56.8	Yes	Y	J	J	9	4.47	0.01500	mg/kg
Plumb 1981												
Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units

SDG: QC26

Plumb 1981

Analytical Method	Sample ID	Lab Sample ID	Chemical Name	Anzal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
	BW-01-SS-091218	09-31262-QC26B	Total organic carbon	1/5/2010	2.55	Yes	Y				0.020	0.01040	pct
	BW-04-SS-091218	09-31263-QC26C	Total organic carbon	1/5/2010	2.08	Yes	Y				0.020	0.01040	pct
	BW-05-SS-091218	09-31261-QC26A	Total organic carbon	1/5/2010	1.64	Yes	Y				0.020	0.01040	pct
	BW-07-SS-091218	09-31265-QC26E	Total organic carbon	1/5/2010	2.44	Yes	Y				0.020	0.01040	pct
	BW-11-SS-091218	09-31266-QC26F	Total organic carbon	1/5/2010	2.02	Yes	Y				0.020	0.01040	pct
	BW-51-SS-091218	09-31264-QC26D	Total organic carbon	1/5/2010	2.18	Yes	Y				0.020	0.01040	pct

PSEP

Analytical Method	Sample ID	Lab Sample ID	Chemical Name	Anzal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
	BW-01-SS-091218	09-31262-QC26B	Clay, Fine	1/9/2010	8.9	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Clay, Medium	1/9/2010	5.2	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Gravel	1/9/2010	0.1	Yes	N	U			0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Sand, Coarse	1/9/2010	0.6	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Sand, Fine	1/9/2010	0.4	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Clay, Coarse	1/9/2010	8.5	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Silt, Very Fine	1/9/2010	18.4	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Sand, Medium	1/9/2010	0.6	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Sand, Very Coarse	1/9/2010	0.2	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Sand, Very Fine	1/9/2010	0.5	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Fines (silt + clay)	1/9/2010	97.8	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Silt, Fine	1/9/2010	29	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Silt, Medium	1/9/2010	23.2	Yes	Y				0.1	0.1	pct
	BW-01-SS-091218	09-31262-QC26B	Silt, Coarse	1/9/2010	4.7	Yes	Y				0.1	0.1	pct
	BW-04-SS-091218	09-31263-QC26C	Sand, Very Coarse	1/9/2010	1.3	Yes	Y				0.1	0.1	pct
	BW-04-SS-091218	09-31263-QC26C	Silt, Very Fine	1/9/2010	12.3	Yes	Y				0.1	0.1	pct
	BW-04-SS-091218	09-31263-QC26C	Silt, Coarse	1/9/2010	11.5	Yes	Y				0.1	0.1	pct

SDG: QC26

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MOL	Units
BW-04-SS-091218	09-31263-QC26C	Clay, Fine	1/9/2010	7	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Silt, Fine	1/9/2010	23.9	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Sand, Very Fine	1/9/2010	2.3	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Sand, Coarse	1/9/2010	1.2	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Sand, Medium	1/9/2010	1.2	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Sand, Fine	1/9/2010	1.1	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Clay, Coarse	1/9/2010	6	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Gravel	1/9/2010	0.9	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Fines (silt + clay)	1/9/2010	91.9	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Clay, Medium	1/9/2010	3.2	Yes	Y				0.1	0.1	pct
BW-04-SS-091218	09-31263-QC26C	Silt, Medium	1/9/2010	28	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Gravel	1/9/2010	0.4	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Clay, Coarse	1/9/2010	1.7	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Clay, Fine	1/9/2010	3.2	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Sand, Coarse	1/9/2010	5	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Fines (silt + clay)	1/9/2010	39.6	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Sand, Fine	1/9/2010	13.5	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Sand, Medium	1/9/2010	25.1	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Sand, Very Coarse	1/9/2010	0.8	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Sand, Very Fine	1/9/2010	15.6	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Silt, Coarse	1/9/2010	17.2	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Silt, Fine	1/9/2010	4.6	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Silt, Medium	1/9/2010	8.5	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Silt, Very Fine	1/9/2010	3.1	Yes	Y				0.1	0.1	pct
BW-05-SS-091218	09-31261-QC26A	Clay, Medium	1/9/2010	1.3	Yes	Y				0.1	0.1	pct

SDG: QC26

Analytical Method
PSEP

Sample ID	Lab Sample ID	Chemical Name	Analytical Method	Anel Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RI	MDI	Units
BW-07-SS-091218	09-31265-QC26E	Sand, Medium	PSEP	1/9/2010	20.3	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Clay, Coarse	PSEP	1/9/2010	2.6	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Clay, Fine	PSEP	1/9/2010	4.1	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Clay, Medium	PSEP	1/9/2010	1.9	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Fines (silt + clay)	PSEP	1/9/2010	59	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Gravel	PSEP	1/9/2010	0.9	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Sand, Fine	PSEP	1/9/2010	5.5	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Sand, Very Coarse	PSEP	1/9/2010	2.3	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Sand, Very Fine	PSEP	1/9/2010	5.3	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Silt, Coarse	PSEP	1/9/2010	16.7	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Silt, Fine	PSEP	1/9/2010	9.6	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Silt, Medium	PSEP	1/9/2010	18.5	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Silt, Very Fine	PSEP	1/9/2010	5.5	Yes	Y				0.1	0.1	pct
BW-07-SS-091218	09-31265-QC26E	Sand, Coarse	PSEP	1/9/2010	6.7	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Sand, Coarse	PSEP	1/9/2010	0.8	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Sand, Very Coarse	PSEP	1/9/2010	1.8	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Silt, Coarse	PSEP	1/9/2010	17.9	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Clay, Coarse	PSEP	1/9/2010	5.7	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Silt, Fine	PSEP	1/9/2010	23.4	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Silt, Very Fine	PSEP	1/9/2010	10.7	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Sand, Very Fine	PSEP	1/9/2010	4.6	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Sand, Fine	PSEP	1/9/2010	0.8	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Sand, Medium	PSEP	1/9/2010	0.7	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Gravel	PSEP	1/9/2010	0.1	Yes	N	U			0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Fines (silt + clay)	PSEP	1/9/2010	91.2	Yes	Y				0.1	0.1	pct

SDG: QC26

PSEP

Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-11-SS-091218	09-31266-QC26F	Clay, Medium	1/9/2010	3.6	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Clay, Fine	1/9/2010	7.8	Yes	Y				0.1	0.1	pct
BW-11-SS-091218	09-31266-QC26F	Silt, Medium	1/9/2010	22.2	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Silt, Very Fine	1/9/2010	18.2	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Silt, Coarse	1/9/2010	4.2	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Sand, Very Fine	1/9/2010	0.8	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Clay, Coarse	1/9/2010	7.6	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Clay, Medium	1/9/2010	4.8	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Fines (silt + clay)	1/9/2010	95.1	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Gravel	1/9/2010	0.1	Yes	N	U			0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Sand, Coarse	1/9/2010	1.2	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Sand, Fine	1/9/2010	0.7	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Sand, Medium	1/9/2010	1.2	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Clay, Fine	1/9/2010	8.5	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Silt, Fine	1/9/2010	29.6	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Silt, Medium	1/9/2010	22.2	Yes	Y				0.1	0.1	pct
BW-51-SS-091218	09-31264-QC26D	Sand, Very Coarse	1/9/2010	1	Yes	Y				0.1	0.1	pct

WAEPH

Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SS-091218	09-31262-QC26B	C16-C21 Aromatic	12/31/2009	4500	Yes	N	U			4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C10-C12 Aromatic	12/31/2009	4500	Yes	N	U			4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C12-C16 Aromatic	12/31/2009	4500	Yes	N	U			4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C21-C34 Aromatic	12/31/2009	5600	Yes	Y				4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C8-C10 Aromatic	12/31/2009	4500	Yes	N	U			4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C16-C21 Aliphatic	1/5/2010	4500	Yes	N	U	UJ	5	4500	4500	ug/kg

SDG: QC26

Analytical Method
WAEPH

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SS-091218	09-31262-QC26B	C12-C16 Aliphatic	1/5/2010	4500	Yes	N	U	UJ	UJ	5	4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C10-C12 Aliphatic	1/5/2010	4500	Yes	N	U	UJ	UJ	5	4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C21-C34 Aliphatic	1/5/2010	18000	Yes	Y	U	j	j	5	4500	4500	ug/kg
BW-01-SS-091218	09-31262-QC26B	C8-C10 Aliphatic	1/5/2010	4500	Yes	N	U	UJ	UJ	5	4500	4500	ug/kg
BW-04-SS-091218	09-31263-QC26C	C16-C21 Aromatic	12/31/2009	4100	Yes	N	U				4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C21-C34 Aromatic	12/31/2009	5700	Yes	Y	U				4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C12-C16 Aromatic	12/31/2009	4100	Yes	N	U				4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C10-C12 Aromatic	12/31/2009	4100	Yes	N	U				4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C8-C10 Aromatic	12/31/2009	4100	Yes	N	U				4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C10-C12 Aliphatic	1/5/2010	4100	Yes	N	U	UJ	UJ	5	4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C12-C16 Aliphatic	1/5/2010	4100	Yes	N	U	UJ	UJ	5	4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C16-C21 Aliphatic	1/5/2010	4100	Yes	N	U	UJ	UJ	5	4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C21-C34 Aliphatic	1/5/2010	11000	Yes	Y	U	j	j	5	4100	4100	ug/kg
BW-04-SS-091218	09-31263-QC26C	C8-C10 Aliphatic	1/5/2010	4100	Yes	N	U	UJ	UJ	5	4100	4100	ug/kg
BW-05-SS-091218	09-31261-QC26A	C8-C10 Aromatic	12/31/2009	2900	Yes	N	U				2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C10-C12 Aromatic	12/31/2009	2900	Yes	N	U				2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C12-C16 Aromatic	12/31/2009	2900	Yes	N	U				2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C16-C21 Aromatic	12/31/2009	2900	Yes	N	U				2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C21-C34 Aromatic	12/31/2009	2900	Yes	N	U				2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C21-C34 Aliphatic	1/5/2010	5600	Yes	Y	U	j	j	5	2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C10-C12 Aliphatic	1/5/2010	2900	Yes	N	U	UJ	UJ	5	2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C12-C16 Aliphatic	1/5/2010	2900	Yes	N	U	UJ	UJ	5	2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C16-C21 Aliphatic	1/5/2010	2900	Yes	N	U	UJ	UJ	5	2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C16-C21 Aliphatic	1/5/2010	2900	Yes	N	U	UJ	UJ	5	2900	2900	ug/kg
BW-05-SS-091218	09-31261-QC26A	C8-C10 Aliphatic	1/5/2010	2900	Yes	N	U	UJ	UJ	5	2900	2900	ug/kg
BW-07-SS-091218	09-31265-QC26E	C21-C34 Aromatic	12/31/2009	3400	Yes	N	U				3400	3400	ug/kg

SDG: QC26

Analytical Method		WAEPH													
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units		
BW-07-SS-091218	09-31265-QC26E	C12-C16 Aromatic	12/31/2009	3400	Yes	N	N	U			3400	3400	ug/kg		
BW-07-SS-091218	09-31265-QC26E	C10-C12 Aromatic	12/31/2009	3400	Yes	N	N	U			3400	3400	ug/kg		
BW-07-SS-091218	09-31265-QC26E	C8-C10 Aromatic	12/31/2009	3400	Yes	N	N	U			3400	3400	ug/kg		
BW-07-SS-091218	09-31265-QC26E	C16-C21 Aromatic	12/31/2009	3400	Yes	N	N	U			3400	3400	ug/kg		
BW-07-SS-091218	09-31265-QC26E	C16-C21 Aliphatic	1/5/2010	3400	Yes	N	N	U	UJ	5	3400	3400	ug/kg		
BW-07-SS-091218	09-31265-QC26E	C8-C10 Aliphatic	1/5/2010	3400	Yes	N	N	U	UJ	5	3400	3400	ug/kg		
BW-07-SS-091218	09-31265-QC26E	C10-C12 Aliphatic	1/5/2010	3400	Yes	N	N	U	UJ	5	3400	3400	ug/kg		
BW-07-SS-091218	09-31265-QC26E	C21-C34 Aliphatic	1/5/2010	14000	Yes	Y			J	5	3400	3400	ug/kg		
BW-07-SS-091218	09-31265-QC26E	C12-C16 Aliphatic	1/5/2010	3400	Yes	N	N	U	UJ	5	3400	3400	ug/kg		
BW-11-SS-091218	09-31266-QC26F	C16-C21 Aromatic	12/31/2009	4000	Yes	N	N	U			4000	4000	ug/kg		
BW-11-SS-091218	09-31266-QC26F	C12-C16 Aromatic	12/31/2009	4000	Yes	N	N	U			4000	4000	ug/kg		
BW-11-SS-091218	09-31266-QC26F	C10-C12 Aromatic	12/31/2009	4000	Yes	N	N	U			4000	4000	ug/kg		
BW-11-SS-091218	09-31266-QC26F	C8-C10 Aromatic	12/31/2009	4000	Yes	N	N	U			4000	4000	ug/kg		
BW-11-SS-091218	09-31266-QC26F	C21-C34 Aromatic	12/31/2009	4700	Yes	Y					4000	4000	ug/kg		
BW-11-SS-091218	09-31266-QC26F	C8-C10 Aliphatic	1/5/2010	4000	Yes	N	N	U	UJ	5	4000	4000	ug/kg		
BW-11-SS-091218	09-31266-QC26F	C16-C21 Aliphatic	1/5/2010	4000	Yes	N	N	U	UJ	5	4000	4000	ug/kg		
BW-11-SS-091218	09-31266-QC26F	C21-C34 Aliphatic	1/5/2010	11000	Yes	Y			J	5	4000	4000	ug/kg		
BW-11-SS-091218	09-31266-QC26F	C10-C12 Aliphatic	1/5/2010	4000	Yes	N	N	U	UJ	5	4000	4000	ug/kg		
BW-11-SS-091218	09-31266-QC26F	C12-C16 Aliphatic	1/5/2010	4000	Yes	N	N	U	UJ	5	4000	4000	ug/kg		
BW-51-SS-091218	09-31264-QC26D	C21-C34 Aromatic	12/31/2009	6300	Yes	Y					4300	4300	ug/kg		
BW-51-SS-091218	09-31264-QC26D	C12-C16 Aromatic	12/31/2009	4300	Yes	N	N	U			4300	4300	ug/kg		
BW-51-SS-091218	09-31264-QC26D	C10-C12 Aromatic	12/31/2009	4300	Yes	N	N	U			4300	4300	ug/kg		
BW-51-SS-091218	09-31264-QC26D	C16-C21 Aromatic	12/31/2009	4300	Yes	N	N	U			4300	4300	ug/kg		
BW-51-SS-091218	09-31264-QC26D	C8-C10 Aromatic	12/31/2009	4300	Yes	N	N	U			4300	4300	ug/kg		
BW-51-SS-091218	09-31264-QC26D	C16-C21 Aliphatic	1/5/2010	4300	Yes	N	N	U	UJ	5	4300	4300	ug/kg		

SDG: QC26

Analytical Method		WAEPH										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-51-SS-091218	09-31264-QC26D	C12-C16 Aliphatic	1/5/2010	4300	Yes	N	U	UJ	5	4300	4300	ug/kg
BW-51-SS-091218	09-31264-QC26D	C10-C12 Aliphatic	1/5/2010	4300	Yes	N	U	UJ	5	4300	4300	ug/kg
BW-51-SS-091218	09-31264-QC26D	C21-C34 Aliphatic	1/5/2010	16000	Yes	Y	U	J	5	4300	4300	ug/kg
BW-51-SS-091218	09-31264-QC26D	C8-C10 Aliphatic	1/5/2010	4300	Yes	N	U	UJ	5	4300	4300	ug/kg
Analytical Method		WAVPH										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SS-091218	09-31262-QC26B	Ethylbenzene	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	C12-C13 Aromatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	C10-C12 Aromatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	C8-C10 Aromatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	C10-C12 Aliphatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	Toluene	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	n-Pentane (C5)	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	n-Hexane	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	C8-C10 Aliphatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	n-Dodecane (C12)	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	C6-C8 Aliphatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	C5-C6 Aliphatic	12/30/2009	21000	Yes	N	U			21000	21000	ug/kg
BW-01-SS-091218	09-31262-QC26B	o-Xylene	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	Benzene	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	Methyl tert-butyl ether (MTBE)	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	m,p-Xylene	12/30/2009	4200	Yes	N	U			4200	4200	ug/kg
BW-01-SS-091218	09-31262-QC26B	n-Decane (C10)	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-01-SS-091218	09-31262-QC26B	n-Octane (C8)	12/30/2009	2100	Yes	N	U			2100	2100	ug/kg
BW-04-SS-091218	09-31263-QC26C	m,p-Xylene	12/30/2009	3700	Yes	N	U	UJ	13	3700	3700	ug/kg

SDG: QC26

Analytical Method
WAVPH

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-04-SS-091218	09-31263-QC26C	C8-C10 Aliphatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26C	n-Pentane (C5)	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	n-Hexane	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	n-Octane (C8)	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	n-Decane (C10)	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	Methyl tert-butyl ether (MTBE)	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	Toluene	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	C5-C6 Aliphatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26C	o-Xylene	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	C10-C12 Aliphatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26C	C8-C10 Aromatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26C	C10-C12 Aromatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26C	C12-C13 Aromatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26C	n-Dodecane (C12)	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	Ethylbenzene	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	Benzene	12/30/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26C	C6-C8 Aliphatic	12/30/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C12-C13 Aromatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	o-Xylene	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C6-C8 Aliphatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	Benzene	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C8-C10 Aliphatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C10-C12 Aliphatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C8-C10 Aromatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	Ethylbenzene	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg

SDG: QC26

Analytical Method
WAVPH

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-04-SS-091218	09-31263-QC26CD	Toluene	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C5-C6 Aliphatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	n-Hexane	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	C10-C12 Aromatic	1/5/2010	19000	No	N	U	R	22	19000	19000	ug/kg
BW-04-SS-091218	09-31263-QC26CD	n-Octane (C8)	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	Methyl tert-butyl ether (MTBE)	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	m,p-Xylene	1/5/2010	3700	No	N	U	R	22	3700	3700	ug/kg
BW-04-SS-091218	09-31263-QC26CD	n-Decane (C10)	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	n-Dodecane (C12)	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-04-SS-091218	09-31263-QC26CD	n-Pentane (C5)	1/5/2010	1900	No	N	U	R	22	1900	1900	ug/kg
BW-05-SS-091218	09-31261-QC26A	Methyl tert-butyl ether (MTBE)	12/30/2009	1100	Yes	N	U			1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	m,p-Xylene	12/30/2009	2200	Yes	N	U			2200	2200	ug/kg
BW-05-SS-091218	09-31261-QC26A	Benzene	12/30/2009	1100	Yes	N	U			1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	o-Xylene	12/30/2009	1100	Yes	N	U			1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	n-Decane (C10)	12/30/2009	1100	Yes	N	U	UJ	8	1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	C6-C8 Aliphatic	12/30/2009	11000	Yes	N	U	UJ	8	11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	Ethylbenzene	12/30/2009	1100	Yes	N	U			1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	C12-C13 Aromatic	12/30/2009	11000	Yes	N	U			11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	C10-C12 Aromatic	12/30/2009	11000	Yes	N	U			11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	C8-C10 Aromatic	12/30/2009	11000	Yes	N	U			11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	C10-C12 Aliphatic	12/30/2009	11000	Yes	N	U	UJ	8	11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	C5-C6 Aliphatic	12/30/2009	11000	Yes	N	U	UJ	8	11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	n-Octane (C8)	12/30/2009	1100	Yes	N	U	UJ	8	1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	n-Hexane	12/30/2009	1100	Yes	N	U	UJ	8	1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	Toluene	12/30/2009	1100	Yes	N	U			1100	1100	ug/kg

SDG: QC26

Analytical Method		WAVPH										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-05-SS-091218	09-31261-QC26A	C8-C10 Aliphatic	12/30/2009	11000	Yes	N	U	UJ	8	11000	11000	ug/kg
BW-05-SS-091218	09-31261-QC26A	n-Dodecane (C12)	12/30/2009	1100	Yes	N	U	UJ	8	1100	1100	ug/kg
BW-05-SS-091218	09-31261-QC26A	n-Pentane (C5)	12/30/2009	1100	Yes	N	U	UJ	8	1100	1100	ug/kg
BW-07-SS-091218	09-31265-QC26E	m,p-Xylene	12/31/2009	2900	Yes	N	U			2900	2900	ug/kg
BW-07-SS-091218	09-31265-QC26E	C8-C10 Aromatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	C10-C12 Aliphatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	C8-C10 Aliphatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	C6-C8 Aliphatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	Ethylbenzene	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	C5-C6 Aliphatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	n-Pentane (C5)	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	C10-C12 Aromatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	n-Octane (C8)	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	n-Decane (C10)	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	Methyl tert-butyl ether (MTBE)	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	Benzene	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	o-Xylene	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	C12-C13 Aromatic	12/31/2009	14000	Yes	N	U			14000	14000	ug/kg
BW-07-SS-091218	09-31265-QC26E	Toluene	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	n-Dodecane (C12)	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-07-SS-091218	09-31265-QC26E	n-Hexane	12/31/2009	1400	Yes	N	U			1400	1400	ug/kg
BW-11-SS-091218	09-31266-QC26F	C8-C10 Aliphatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	n-Octane (C8)	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	n-Dodecane (C12)	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	n-Decane (C10)	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg

SDG: QC26

Analytical Method		WAVPH										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-11-SS-091218	09-31266-QC26F	m,p-Xylene	12/31/2009	3700	Yes	N	U	UJ	13	3700	3700	ug/kg
BW-11-SS-091218	09-31266-QC26F	Benzene	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	n-Hexane	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	C6-C8 Aliphatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	Methyl tert-butyl ether (MTBE)	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	C10-C12 Aliphatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	C8-C10 Aromatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	C10-C12 Aromatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	C12-C13 Aromatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	n-Pentane (C5)	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	C5-C6 Aliphatic	12/31/2009	19000	Yes	N	U	UJ	13	19000	19000	ug/kg
BW-11-SS-091218	09-31266-QC26F	Toluene	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	Ethylbenzene	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26F	o-Xylene	12/31/2009	1900	Yes	N	U	UJ	13	1900	1900	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C10-C12 Aromatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C12-C13 Aromatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	n-Octane (C8)	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C8-C10 Aromatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C10-C12 Aliphatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C8-C10 Aliphatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C6-C8 Aliphatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	C5-C6 Aliphatic	1/5/2010	18000	No	N	U	R	22	18000	18000	ug/kg
BW-11-SS-091218	09-31266-QC26FD	n-Dodecane (C12)	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	n-Pentane (C5)	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	o-Xylene	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg

SDG: QC26

Analytical Method
WAVPH

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-11-SS-091218	09-31266-QC26FD	n-Hexane	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	Ethylbenzene	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	n-Decane (C10)	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	m,p-Xylene	1/5/2010	3600	No	N	U	R	22	3600	3600	ug/kg
BW-11-SS-091218	09-31266-QC26FD	Methyl tert-butyl ether (MTBE)	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	Benzene	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-11-SS-091218	09-31266-QC26FD	Toluene	1/5/2010	1800	No	N	U	R	22	1800	1800	ug/kg
BW-51-SS-091218	09-31264-QC26D	C10-C12 Aliphatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	Methyl tert-butyl ether (MTBE)	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	n-Hexane	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	n-Pentane (C5)	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	n-Dodecane (C12)	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	Toluene	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	m,p-Xylene	12/31/2009	4200	Yes	N	U	UJ	13	4200	4200	ug/kg
BW-51-SS-091218	09-31264-QC26D	Benzene	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	o-Xylene	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	C5-C6 Aliphatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	C12-C13 Aromatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	C8-C10 Aliphatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	C8-C10 Aromatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	C10-C12 Aromatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	n-Octane (C8)	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	Ethylbenzene	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26D	C6-C8 Aliphatic	12/31/2009	21000	Yes	N	U	UJ	13	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26D	n-Decane (C10)	12/31/2009	2100	Yes	N	U	UJ	13	2100	2100	ug/kg

SDG: QC26

Analytical Method
WAVPH

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-51-SS-091218	09-31264-QC26DD	Toluene	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C10-C12 Aliphatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26DD	Ethylbenzene	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	n-Pentane (C5)	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	n-Hexane	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	n-Octane (C8)	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	n-Dodecane (C12)	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	n-Decane (C10)	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	m,p-Xylene	1/5/2010	4100	No	N	U	R	22	4100	4100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C6-C8 Aliphatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26DD	Methyl tert-butyl ether (MTBE)	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C10-C12 Aromatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C12-C13 Aromatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C8-C10 Aliphatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C5-C6 Aliphatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg
BW-51-SS-091218	09-31264-QC26DD	o-Xylene	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	Benzene	1/5/2010	2100	No	N	U	R	22	2100	2100	ug/kg
BW-51-SS-091218	09-31264-QC26DD	C8-C10 Aromatic	1/5/2010	21000	No	N	U	R	22	21000	21000	ug/kg

SDG: QC29

Analytical Method D2974

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Ash Content	1/14/2010	89.74	Yes	Y				0.0100	0.0100	pct
BW-01-SC-A-091218	09-31272-QC29D	Total solids	1/14/2010	48.03	Yes	Y				0.0100	0.0100	pct
BW-01-SC-A-091218	09-31272-QC29D	Total volatile solids/organic matter	1/14/2010	10.26	Yes	Y				0.0100	0.0100	pct
BW-01-SC-B-091218	09-31273-QC29E	Ash Content	1/14/2010	60.8	Yes	Y				0.0100	0.0100	pct
BW-01-SC-B-091218	09-31273-QC29E	Total volatile solids/organic matter	1/14/2010	39.2	Yes	Y				0.0100	0.0100	pct
BW-01-SC-B-091218	09-31273-QC29E	Total solids	1/14/2010	46.09	Yes	Y				0.0100	0.0100	pct
BW-04-SC-B-091218	09-31270-QC29B	Ash Content	1/14/2010	72.97	Yes	Y				0.0100	0.0100	pct
BW-04-SC-B-091218	09-31270-QC29B	Total volatile solids/organic matter	1/14/2010	27.03	Yes	Y				0.0100	0.0100	pct
BW-04-SC-B-091218	09-31270-QC29B	Total solids	1/14/2010	50.91	Yes	Y				0.0100	0.0100	pct
BW-04-SC-C-091218	09-31271-QC29C	Ash Content	1/14/2010	74.03	Yes	Y				0.0100	0.0100	pct
BW-04-SC-C-091218	09-31271-QC29C	Total volatile solids/organic matter	1/14/2010	25.97	Yes	Y				0.0100	0.0100	pct
BW-04-SC-C-091218	09-31271-QC29C	Total solids	1/14/2010	58.03	Yes	Y				0.0100	0.0100	pct
BW-05-SC-A-091218	09-31285-QC29Q	Ash Content	1/14/2010	86.07	Yes	Y				0.0100	0.0100	pct
BW-05-SC-A-091218	09-31285-QC29Q	Total volatile solids/organic matter	1/14/2010	13.93	Yes	Y				0.0100	0.0100	pct
BW-05-SC-A-091218	09-31285-QC29Q	Total solids	1/14/2010	57.96	Yes	Y				0.0100	0.0100	pct
BW-05-SC-B-091218	09-31286-QC29R	Ash Content	1/14/2010	88.64	Yes	Y				0.0100	0.0100	pct
BW-05-SC-B-091218	09-31286-QC29R	Total volatile solids/organic matter	1/14/2010	11.36	Yes	Y				0.0100	0.0100	pct
BW-05-SC-B-091218	09-31286-QC29R	Total solids	1/14/2010	62.32	Yes	Y				0.0100	0.0100	pct
BW-07-SC-B-091218	09-31280-QC29L	Total volatile solids/organic matter	1/14/2010	8.1	Yes	Y				0.0100	0.0100	pct
BW-07-SC-B-091218	09-31280-QC29L	Ash Content	1/14/2010	91.9	Yes	Y				0.0100	0.0100	pct
BW-07-SC-B-091218	09-31280-QC29L	Total solids	1/14/2010	62.49	Yes	Y				0.0100	0.0100	pct
BW-07-SC-C-091218	09-31281-QC29M	Total volatile solids/organic matter	1/14/2010	18.42	Yes	Y				0.0100	0.0100	pct
BW-07-SC-C-091218	09-31281-QC29M	Total solids	1/14/2010	56.88	Yes	Y				0.0100	0.0100	pct
BW-07-SC-C-091218	09-31281-QC29M	Ash Content	1/14/2010	81.58	Yes	Y				0.0100	0.0100	pct
BW-11-SC-A-091218	09-31276-QC29H	Ash Content	1/14/2010	89.97	Yes	Y				0.0100	0.0100	pct

SDG: QC29

Analytical Method		D2974										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-11-SC-A-091218	09-31276-QC29H	Total volatile solids/organic matter	1/14/2010	10.03	Yes	Y				0.0100	0.0100	pct
BW-11-SC-A-091218	09-31276-QC29H	Total solids	1/14/2010	52.31	Yes	Y				0.0100	0.0100	pct
BW-11-SC-B-091218	09-31277-QC29I	Total solids	1/14/2010	52.59	Yes	Y				0.0100	0.0100	pct
BW-11-SC-B-091218	09-31277-QC29I	Ash Content	1/14/2010	70.14	Yes	Y				0.0100	0.0100	pct
BW-11-SC-B-091218	09-31277-QC29I	Total volatile solids/organic matter	1/14/2010	29.86	Yes	Y				0.0100	0.0100	pct
BW-55-A-091218	09-31289-QC29U	Total volatile solids/organic matter	1/14/2010	14.29	Yes	Y				0.0100	0.0100	pct
BW-55-A-091218	09-31289-QC29U	Total solids	1/14/2010	57.94	Yes	Y				0.0100	0.0100	pct
BW-55-A-091218	09-31289-QC29U	Ash Content	1/14/2010	85.71	Yes	Y				0.0100	0.0100	pct

Analytical Method E160.3

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Total solids	12/23/2009	47	Yes	Y				0.01		pct
BW-01-SC-B-091218	09-31273-QC29E	Total solids	12/23/2009	43.1	Yes	Y				0.01		pct
BW-04-SC-B-091218	09-31270-QC29B	Total solids	12/23/2009	47.9	Yes	Y				0.01		pct
BW-04-SC-C-091218	09-31271-QC29C	Total solids	12/23/2009	58.5	Yes	Y				0.01		pct
BW-05-SC-A-091218	09-31285-QC29Q	Total solids	12/23/2009	59.6	Yes	Y				0.01		pct
BW-05-SC-B-091218	09-31286-QC29R	Total solids	12/23/2009	64.7	Yes	Y				0.01		pct
BW-07-SC-B-091218	09-31280-QC29L	Total solids	12/23/2009	61	Yes	Y				0.01		pct
BW-07-SC-C-091218	09-31281-QC29M	Total solids	12/23/2009	55.2	Yes	Y				0.01		pct
BW-11-SC-A-091218	09-31276-QC29H	Total solids	12/23/2009	50.2	Yes	Y				0.01		pct
BW-11-SC-B-091218	09-31277-QC29I	Total solids	12/23/2009	54.9	Yes	Y				0.01		pct
BW-55-A-091218	09-31289-QC29U	Total solids	12/23/2009	57.7	Yes	Y				0.01		pct

Analytical Method E160.3-PRES

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Total Solids (preserved)	12/23/2009	45.1	Yes	Y				0.01		pct
BW-01-SC-B-091218	09-31273-QC29E	Total Solids (preserved)	12/23/2009	43	Yes	Y				0.01		pct

SDG: QC29

Analytical Method		E160.3-PRES										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-04-SC-B-091218	09-31270-QC29B	Total Solids (preserved)	12/23/2009	42.9	Yes	Y				0.01		pct
BW-04-SC-C-091218	09-31271-QC29C	Total Solids (preserved)	12/23/2009	59.4	Yes	Y				0.01		pct
BW-05-SC-A-091218	09-31285-QC29Q	Total Solids (preserved)	12/23/2009	55.5	Yes	Y				0.01		pct
BW-05-SC-B-091218	09-31286-QC29R	Total Solids (preserved)	12/23/2009	68.2	Yes	Y				0.01		pct
BW-07-SC-B-091218	09-31280-QC29L	Total Solids (preserved)	12/23/2009	60.9	Yes	Y				0.01		pct
BW-07-SC-C-091218	09-31281-QC29M	Total Solids (preserved)	12/23/2009	47.9	Yes	Y				0.01		pct
BW-11-SC-A-091218	09-31276-QC29H	Total Solids (preserved)	12/23/2009	50.5	Yes	Y				0.01		pct
BW-11-SC-B-091218	09-31277-QC29I	Total Solids (preserved)	12/23/2009	57.6	Yes	Y				0.01		pct

Analytical Method E350.1M

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Ammonia	12/21/2009	16.2	Yes	Y				0.21	0.03000	mg-N/k
BW-01-SC-B-091218	09-31273-QC29E	Ammonia	12/21/2009	22.1	Yes	Y				0.23	0.03000	mg-N/k
BW-04-SC-B-091218	09-31270-QC29B	Ammonia	12/21/2009	9.44	Yes	Y				0.20	0.03000	mg-N/k
BW-04-SC-C-091218	09-31271-QC29C	Ammonia	12/21/2009	17.9	Yes	Y				0.33	0.06000	mg-N/k
BW-05-SC-A-091218	09-31285-QC29Q	Ammonia	12/21/2009	18.3	Yes	Y				0.32	0.06000	mg-N/k
BW-05-SC-B-091218	09-31286-QC29R	Ammonia	12/21/2009	54.7	Yes	Y				0.71	0.15000	mg-N/k
BW-07-SC-B-091218	09-31280-QC29L	Ammonia	12/21/2009	81.5	Yes	Y				1.58	0.30000	mg-N/k
BW-07-SC-C-091218	09-31281-QC29M	Ammonia	12/21/2009	55.8	Yes	Y				0.91	0.15000	mg-N/k
BW-11-SC-A-091218	09-31276-QC29H	Ammonia	12/21/2009	13	Yes	Y				0.19	0.03000	mg-N/k
BW-11-SC-B-091218	09-31277-QC29I	Ammonia	12/21/2009	31.2	Yes	Y				0.80	0.15000	mg-N/k
BW-55-A-091218	09-31289-QC29U	Ammonia	12/21/2009	18.3	Yes	Y				0.29	0.06000	mg-N/k

Analytical Method E376.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Sulfide	12/22/2009	900	Yes	Y		J	9	113	0.37500	mg/kg
BW-01-SC-B-091218	09-31273-QC29E	Sulfide	12/22/2009	311	Yes	Y		J	9	27.3	0.07500	mg/kg

SDG: QC29

Analytical Method E376.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-04-SC-B-091218	09-31270-QC29B	Sulfide	12/22/2009	216	Yes	Y	J	J	9	22.8	0.07500	mg/kg
BW-04-SC-C-091218	09-31271-QC29C	Sulfide	12/22/2009	953	Yes	Y	J	J	9	84.3	0.37500	mg/kg
BW-05-SC-A-091218	09-31285-QC29Q	Sulfide	12/22/2009	122	Yes	Y	J	J	9	17.9	0.07500	mg/kg
BW-05-SC-B-091218	09-31286-QC29R	Sulfide	12/22/2009	686	Yes	Y	J	J	9	71.5	0.37500	mg/kg
BW-07-SC-B-091218	09-31280-QC29L	Sulfide	12/22/2009	8.74	Yes	Y	J	J	9	1.67	0.00750	mg/kg
BW-07-SC-C-091218	09-31281-QC29M	Sulfide	12/22/2009	2.04	Yes	N	U	UJ	9	2.04	0.00750	mg/kg
BW-11-SC-A-091218	09-31276-QC29H	Sulfide	12/22/2009	313	Yes	Y	J	J	9	43.8	0.15000	mg/kg
BW-11-SC-B-091218	09-31277-QC29I	Sulfide	12/22/2009	952	Yes	Y	J	J	9	87.0	0.37500	mg/kg

Analytical Method Plumb 1981

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Total organic carbon	1/5/2010	3.31	Yes	Y				0.020	0.01040	pct
BW-01-SC-B-091218	09-31273-QC29E	Total organic carbon	1/5/2010	9.22	Yes	Y				0.020	0.01040	pct
BW-04-SC-B-091218	09-31270-QC29B	Total organic carbon	1/5/2010	9.62	Yes	Y				0.142	0.07384	pct
BW-04-SC-C-091218	09-31271-QC29C	Total organic carbon	1/5/2010	9.13	Yes	Y				0.020	0.01040	pct
BW-05-SC-A-091218	09-31285-QC29Q	Total organic carbon	1/5/2010	4.47	Yes	Y				0.020	0.01040	pct
BW-05-SC-B-091218	09-31286-QC29R	Total organic carbon	1/6/2010	2.77	Yes	Y				0.020	0.01040	pct
BW-07-SC-B-091218	09-31280-QC29L	Total organic carbon	1/5/2010	3.21	Yes	Y				0.020	0.01040	pct
BW-07-SC-C-091218	09-31281-QC29M	Total organic carbon	1/5/2010	7.17	Yes	Y				0.020	0.01040	pct
BW-11-SC-A-091218	09-31276-QC29H	Total organic carbon	1/5/2010	2.25	Yes	Y				0.020	0.01040	pct
BW-11-SC-B-091218	09-31277-QC29I	Total organic carbon	1/5/2010	8.2	Yes	Y				0.020	0.01040	pct
BW-55-A-091218	09-31289-QC29U	Total organic carbon	1/6/2010	4.82	Yes	Y				0.020	0.01040	pct

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Silt, Medium	1/12/2010	21	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Clay, Medium	1/12/2010	6.1	Yes	Y				0.1	0.1	pct

SDG: QC29

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31272-QC29D	Silt, Very Fine	1/12/2010	14.9	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Sand, Fine	1/12/2010	0.7	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Fines (silt + clay)	1/12/2010	94.1	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Gravel	1/12/2010	0.1	Yes	N	U			0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Clay, Coarse	1/12/2010	8.9	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Clay, Fine	1/12/2010	11.3	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Silt, Fine	1/12/2010	25.9	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Sand, Medium	1/12/2010	0.7	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Sand, Very Coarse	1/12/2010	1.9	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Sand, Very Fine	1/12/2010	1.7	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Silt, Coarse	1/12/2010	6	Yes	Y				0.1	0.1	pct
BW-01-SC-A-091218	09-31272-QC29D	Sand, Coarse	1/12/2010	0.8	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Silt, Coarse	1/12/2010	6	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Fines (silt + clay)	1/12/2010	73.3	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Silt, Very Fine	1/12/2010	12.2	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Silt, Medium	1/12/2010	11.2	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Silt, Fine	1/12/2010	15.2	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Clay, Medium	1/12/2010	6	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Sand, Very Coarse	1/12/2010	2.2	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Sand, Medium	1/12/2010	6.9	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Sand, Fine	1/12/2010	6.2	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Gravel	1/12/2010	4.1	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Clay, Coarse	1/12/2010	8.2	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Sand, Very Fine	1/12/2010	4	Yes	Y				0.1	0.1	pct
BW-01-SC-B-091218	09-31273-QC29E	Sand, Coarse	1/12/2010	3.2	Yes	Y				0.1	0.1	pct

SDG: QC29

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-B-091218	09-31273-QC29E	Clay, Fine	1/12/2010	14.6	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Sand, Medium	1/12/2010	19.4	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Sand, Very Fine	1/12/2010	6.8	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Silt, Fine	1/12/2010	4.2	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Silt, Very Fine	1/12/2010	2.8	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Sand, Very Coarse	1/12/2010	6.6	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Sand, Fine	1/12/2010	14.1	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Silt, Medium	1/12/2010	4.6	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Gravel	1/12/2010	21.4	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Fines (silt + clay)	1/12/2010	20.8	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Clay, Medium	1/12/2010	1.7	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Clay, Fine	1/12/2010	3.8	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Clay, Coarse	1/12/2010	2	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Silt, Coarse	1/12/2010	1.7	Yes	Y				0.1	0.1	pct
BW-04-SC-B-091218	09-31270-QC29B	Sand, Coarse	1/12/2010	10.9	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Silt, Very Fine	1/12/2010	3.6	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Fines (silt + clay)	1/12/2010	28.2	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Clay, Medium	1/12/2010	2.2	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Gravel	1/12/2010	7.8	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Sand, Coarse	1/12/2010	8.8	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Silt, Fine	1/12/2010	5.9	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Silt, Medium	1/12/2010	6.7	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Clay, Coarse	1/12/2010	2.7	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Silt, Coarse	1/12/2010	3.5	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Sand, Fine	1/12/2010	18.3	Yes	Y				0.1	0.1	pct

SDG: QC29

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-04-SC-C-091218	09-31271-QC29C	Sand, Medium	1/12/2010	23.7	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Sand, Very Fine	1/12/2010	8.3	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Sand, Very Coarse	1/12/2010	5	Yes	Y				0.1	0.1	pct
BW-04-SC-C-091218	09-31271-QC29C	Clay, Fine	1/12/2010	3.7	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Sand, Very Fine	1/12/2010	10.8	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Silt, Very Fine	1/12/2010	4.6	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Silt, Medium	1/12/2010	10.8	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Clay, Coarse	1/12/2010	3.3	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Sand, Very Coarse	1/12/2010	2.5	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Sand, Medium	1/12/2010	20.6	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Sand, Fine	1/12/2010	10.5	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Sand, Coarse	1/12/2010	6.7	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Gravel	1/12/2010	2.7	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Fines (silt + clay)	1/12/2010	46.3	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Clay, Fine	1/12/2010	4.7	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Silt, Fine	1/12/2010	8.1	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Clay, Medium	1/12/2010	2.5	Yes	Y				0.1	0.1	pct
BW-05-SC-A-091218	09-31285-QC29Q	Silt, Coarse	1/12/2010	12.3	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Sand, Very Coarse	1/12/2010	1.2	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Sand, Very Fine	1/12/2010	11.6	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Silt, Fine	1/12/2010	14	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Gravel	1/12/2010	1.6	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Silt, Medium	1/12/2010	17.8	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Silt, Coarse	1/12/2010	17.4	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Sand, Medium	1/12/2010	5.1	Yes	Y				0.1	0.1	pct

SDG: QC29

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RI	MDI	Units
BW-05-SC-B-091218	09-31286-QC29R	Sand, Coarse	1/12/2010	1.7	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Fines (silt + clay)	1/12/2010	74.8	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Clay, Medium	1/12/2010	4.1	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Clay, Fine	1/12/2010	7	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Clay, Coarse	1/12/2010	5.4	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Silt, Very Fine	1/12/2010	9	Yes	Y				0.1	0.1	pct
BW-05-SC-B-091218	09-31286-QC29R	Sand, Fine	1/12/2010	3.9	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Gravel	1/12/2010	3.6	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Silt, Medium	1/12/2010	18.4	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Silt, Very Fine	1/12/2010	8.8	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Silt, Coarse	1/12/2010	13.2	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Sand, Very Fine	1/12/2010	3.9	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Sand, Very Coarse	1/12/2010	4.6	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Sand, Medium	1/12/2010	5.8	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Silt, Fine	1/12/2010	16.4	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Sand, Coarse	1/12/2010	7.2	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Fines (silt + clay)	1/12/2010	71.4	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Clay, Medium	1/12/2010	3.9	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Clay, Fine	1/12/2010	6.1	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Clay, Coarse	1/12/2010	4.7	Yes	Y				0.1	0.1	pct
BW-07-SC-B-091218	09-31280-QC29L	Sand, Fine	1/12/2010	3.4	Yes	Y				0.1	0.1	pct
BW-07-SC-C-091218	09-31281-QC29M	Sand, Very Fine	1/12/2010	8.4	Yes	Y				0.1	0.1	pct
BW-07-SC-C-091218	09-31281-QC29M	Clay, Medium	1/12/2010	2.5	Yes	Y				0.1	0.1	pct
BW-07-SC-C-091218	09-31281-QC29M	Fines (silt + clay)	1/12/2010	48.1	Yes	Y				0.1	0.1	pct
BW-07-SC-C-091218	09-31281-QC29M	Gravel	1/12/2010	1.1	Yes	Y				0.1	0.1	pct

SDG: QC29

Analytical Method		PSEP		Chemical Name		Mod Res Report		Detect		Lab Qual		Val Qual		Reason		RL		MDL		Units	
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units									
BW-07-SC-C-091218	09-31281-QC29M	Clay, Fine	1/12/2010	3.4	Yes	Y	0.1			0.1	0.1	pct									
BW-07-SC-C-091218	09-31281-QC29M	Clay, Coarse	1/12/2010	3.7	Yes	Y	0.1			0.1	0.1	pct									
BW-07-SC-C-091218	09-31281-QC29M	Sand, Coarse	1/12/2010	8.2	Yes	Y	0.1			0.1	0.1	pct									
BW-07-SC-C-091218	09-31281-QC29M	Sand, Fine	1/12/2010	11.7	Yes	Y	0.1			0.1	0.1	pct									
BW-07-SC-C-091218	09-31281-QC29M	Sand, Very Coarse	1/12/2010	2	Yes	Y	0.1			0.1	0.1	pct									
BW-07-SC-C-091218	09-31281-QC29M	Silt, Coarse	1/12/2010	12.1	Yes	Y	0.1			0.1	0.1	pct									
BW-07-SC-C-091218	09-31281-QC29M	Silt, Very Fine	1/12/2010	5.6	Yes	Y	0.1			0.1	0.1	pct									
BW-07-SC-C-091218	09-31281-QC29M	Silt, Medium	1/12/2010	11.1	Yes	Y	0.1			0.1	0.1	pct									
BW-07-SC-C-091218	09-31281-QC29M	Silt, Fine	1/12/2010	9.7	Yes	Y	0.1			0.1	0.1	pct									
BW-07-SC-C-091218	09-31281-QC29M	Sand, Medium	1/12/2010	20.5	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Sand, Very Fine	1/12/2010	7	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Clay, Coarse	1/12/2010	5.9	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Clay, Fine	1/12/2010	7.7	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Clay, Medium	1/12/2010	4.2	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Fines (silt + clay)	1/12/2010	87	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Silt, Medium	1/12/2010	23.8	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Silt, Coarse	1/12/2010	17.1	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Sand, Very Coarse	1/12/2010	1.5	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Sand, Medium	1/12/2010	1.2	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Sand, Fine	1/12/2010	2.1	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Sand, Coarse	1/12/2010	1	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Silt, Very Fine	1/12/2010	10.3	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Gravel	1/12/2010	0.3	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-A-091218	09-31276-QC29H	Silt, Fine	1/12/2010	18.1	Yes	Y	0.1			0.1	0.1	pct									
BW-11-SC-B-091218	09-31277-QC29I	Sand, Medium	1/12/2010	16.5	Yes	Y	0.1			0.1	0.1	pct									

SDG: QC29

Analytical Method		PSEP		Chemical Name		Mod Res Report		Detect		Lab Qual		Val Qual		Reason		RL		MDL		Units					
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units	Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-11-SC-B-091218	09-31277-QC29I	Clay, Coarse	1/12/2010	2.9	Yes	Y				0.1	0.1	pct	BW-11-SC-B-091218	09-31277-QC29I	Clay, Coarse	1/12/2010	2.9	Yes	Y				0.1	0.1	pct
BW-11-SC-B-091218	09-31277-QC29I	Clay, Fine	1/12/2010	3	Yes	Y				0.1	0.1	pct	BW-11-SC-B-091218	09-31277-QC29I	Clay, Fine	1/12/2010	3	Yes	Y				0.1	0.1	pct
BW-11-SC-B-091218	09-31277-QC29I	Clay, Medium	1/12/2010	2.4	Yes	Y				0.1	0.1	pct	BW-11-SC-B-091218	09-31277-QC29I	Clay, Medium	1/12/2010	2.4	Yes	Y				0.1	0.1	pct
BW-11-SC-B-091218	09-31277-QC29I	Fines (silt + clay)	1/12/2010	37.2	Yes	Y				0.1	0.1	pct	BW-11-SC-B-091218	09-31277-QC29I	Fines (silt + clay)	1/12/2010	37.2	Yes	Y				0.1	0.1	pct
BW-11-SC-B-091218	09-31277-QC29I	Gravel	1/12/2010	12.1	Yes	Y				0.1	0.1	pct	BW-11-SC-B-091218	09-31277-QC29I	Gravel	1/12/2010	12.1	Yes	Y				0.1	0.1	pct
BW-11-SC-B-091218	09-31277-QC29I	Sand, Coarse	1/12/2010	9.1	Yes	Y				0.1	0.1	pct	BW-11-SC-B-091218	09-31277-QC29I	Sand, Coarse	1/12/2010	9.1	Yes	Y				0.1	0.1	pct
BW-11-SC-B-091218	09-31277-QC29I	Sand, Fine	1/12/2010	10.1	Yes	Y				0.1	0.1	pct	BW-11-SC-B-091218	09-31277-QC29I	Sand, Fine	1/12/2010	10.1	Yes	Y				0.1	0.1	pct
BW-11-SC-B-091218	09-31277-QC29I	Silt, Very Fine	1/12/2010	4.6	Yes	Y				0.1	0.1	pct	BW-11-SC-B-091218	09-31277-QC29I	Silt, Very Fine	1/12/2010	4.6	Yes	Y				0.1	0.1	pct
BW-11-SC-B-091218	09-31277-QC29I	Silt, Medium	1/12/2010	8.2	Yes	Y				0.1	0.1	pct	BW-11-SC-B-091218	09-31277-QC29I	Silt, Medium	1/12/2010	8.2	Yes	Y				0.1	0.1	pct
BW-11-SC-B-091218	09-31277-QC29I	Silt, Fine	1/12/2010	6.8	Yes	Y				0.1	0.1	pct	BW-11-SC-B-091218	09-31277-QC29I	Silt, Fine	1/12/2010	6.8	Yes	Y				0.1	0.1	pct
BW-11-SC-B-091218	09-31277-QC29I	Silt, Coarse	1/12/2010	9.2	Yes	Y				0.1	0.1	pct	BW-11-SC-B-091218	09-31277-QC29I	Silt, Coarse	1/12/2010	9.2	Yes	Y				0.1	0.1	pct
BW-11-SC-B-091218	09-31277-QC29I	Sand, Very Fine	1/12/2010	8.2	Yes	Y				0.1	0.1	pct	BW-11-SC-B-091218	09-31277-QC29I	Sand, Very Fine	1/12/2010	8.2	Yes	Y				0.1	0.1	pct
BW-11-SC-B-091218	09-31277-QC29I	Sand, Very Coarse	1/12/2010	6.8	Yes	Y				0.1	0.1	pct	BW-11-SC-B-091218	09-31277-QC29I	Sand, Very Coarse	1/12/2010	6.8	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Clay, Medium	1/12/2010	2.4	Yes	Y				0.1	0.1	pct	BW-55-A-091218	09-31289-QC29U	Clay, Medium	1/12/2010	2.4	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Clay, Fine	1/12/2010	4.5	Yes	Y				0.1	0.1	pct	BW-55-A-091218	09-31289-QC29U	Clay, Fine	1/12/2010	4.5	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Sand, Coarse	1/12/2010	7.2	Yes	Y				0.1	0.1	pct	BW-55-A-091218	09-31289-QC29U	Sand, Coarse	1/12/2010	7.2	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Clay, Coarse	1/12/2010	3.3	Yes	Y				0.1	0.1	pct	BW-55-A-091218	09-31289-QC29U	Clay, Coarse	1/12/2010	3.3	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Silt, Fine	1/12/2010	7.6	Yes	Y				0.1	0.1	pct	BW-55-A-091218	09-31289-QC29U	Silt, Fine	1/12/2010	7.6	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Sand, Very Coarse	1/12/2010	2.6	Yes	Y				0.1	0.1	pct	BW-55-A-091218	09-31289-QC29U	Sand, Very Coarse	1/12/2010	2.6	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Sand, Very Fine	1/12/2010	10.8	Yes	Y				0.1	0.1	pct	BW-55-A-091218	09-31289-QC29U	Sand, Very Fine	1/12/2010	10.8	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Sand, Medium	1/12/2010	21.4	Yes	Y				0.1	0.1	pct	BW-55-A-091218	09-31289-QC29U	Sand, Medium	1/12/2010	21.4	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Silt, Very Fine	1/12/2010	4.4	Yes	Y				0.1	0.1	pct	BW-55-A-091218	09-31289-QC29U	Silt, Very Fine	1/12/2010	4.4	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Silt, Coarse	1/12/2010	13.1	Yes	Y				0.1	0.1	pct	BW-55-A-091218	09-31289-QC29U	Silt, Coarse	1/12/2010	13.1	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Fines (silt + clay)	1/12/2010	44.6	Yes	Y				0.1	0.1	pct	BW-55-A-091218	09-31289-QC29U	Fines (silt + clay)	1/12/2010	44.6	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Sand, Fine	1/12/2010	11	Yes	Y				0.1	0.1	pct	BW-55-A-091218	09-31289-QC29U	Sand, Fine	1/12/2010	11	Yes	Y				0.1	0.1	pct

SDG: QC29

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-55-A-091218	09-31289-QC29U	Silt, Medium	1/12/2010	9.3	Yes	Y				0.1	0.1	pct
BW-55-A-091218	09-31289-QC29U	Gravel	1/12/2010	2.4	Yes	Y				0.1	0.1	pct

SDG: QC83

Analytical Method E350.1

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31639-QC83B	Ammonia	12/30/2009	5.03	Yes	Y				0.100	0.030	mg-N/L
BW-01-SC-B-091218	09-31640-QC83C	Ammonia	12/30/2009	5.46	Yes	Y				0.100	0.030	mg-N/L
BW-04-SC-B-091218	09-31638-QC83A	Ammonia	12/30/2009	4.9	Yes	Y				0.100	0.030	mg-N/L
BW-05-SC-A-091218	09-31645-QC83H	Ammonia	12/30/2009	11.6	Yes	Y				0.200	0.060	mg-N/L
BW-05-SC-B-091218	09-31646-QC83I	Ammonia	12/30/2009	31.4	Yes	Y				0.500	0.150	mg-N/L
BW-07-SC-B-091218	09-31643-QC83F	Ammonia	12/30/2009	31	Yes	Y				0.500	0.150	mg-N/L
BW-07-SC-C-091218	09-31644-QC83G	Ammonia	12/30/2009	14.5	Yes	Y				0.200	0.060	mg-N/L
BW-11-SC-A-091218	09-31641-QC83D	Ammonia	12/30/2009	5.53	Yes	Y				0.100	0.030	mg-N/L
BW-11-SC-B-091218	09-31642-QC83E	Ammonia	12/30/2009	11.8	Yes	Y				0.200	0.060	mg-N/L
BW-55-SC-A-091218	09-31647-QC83J	Ammonia	12/30/2009	11.8	Yes	Y				0.200	0.060	mg-N/L

Analytical Method E376.2

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
BW-01-SC-A-091218	09-31639-QC83B	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l
BW-01-SC-B-091218	09-31640-QC83C	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l
BW-04-SC-B-091218	09-31638-QC83A	Sulfide	12/23/2009	0.295	Yes	Y				0.250	0.065	mg/l
BW-05-SC-A-091218	09-31645-QC83H	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l
BW-05-SC-B-091218	09-31646-QC83I	Sulfide	12/23/2009	0.25	Yes	N	U			0.250	0.065	mg/l
BW-07-SC-B-091218	09-31643-QC83F	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l
BW-07-SC-C-091218	09-31644-QC83G	Sulfide	12/23/2009	0.48	Yes	Y				0.250	0.065	mg/l
BW-11-SC-A-091218	09-31641-QC83D	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l
BW-11-SC-B-091218	09-31642-QC83E	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l
BW-55-SC-A-091218	09-31647-QC83J	Sulfide	12/23/2009	0.05	Yes	N	U			0.050	0.013	mg/l

SDG: QE27

PSEP

Sample ID	Analytical Method	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CR-REF 22%FINES		10-324-QE27A	Sand, Coarse	1/13/2010	0.7	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES		10-324-QE27A	Sand, Medium	1/13/2010	1	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES		10-324-QE27A	Gravel	1/13/2010	0.1	Yes	N	U			0.1	0.1	pct
CR-REF 22%FINES		10-324-QE27A	Fines (silt + clay)	1/13/2010	36.2	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES		10-324-QE27A	Sand, Fine	1/13/2010	19.7	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES		10-324-QE27A	Silt, Very Fine	1/13/2010	1.3	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES		10-324-QE27A	Clay, Fine	1/13/2010	2.8	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES		10-324-QE27A	Sand, Very Fine	1/13/2010	42	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES		10-324-QE27A	Clay, Medium	1/13/2010	0.9	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES		10-324-QE27A	Silt, Medium	1/13/2010	8	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES		10-324-QE27A	Silt, Fine	1/13/2010	3.1	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES		10-324-QE27A	Silt, Coarse	1/13/2010	18.9	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES		10-324-QE27A	Sand, Very Coarse	1/13/2010	0.3	Yes	Y				0.1	0.1	pct
CR-REF 22%FINES		10-324-QE27A	Clay, Coarse	1/13/2010	1.2	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES		10-325-QE27B	Silt, Medium	1/13/2010	21.8	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES		10-325-QE27B	Silt, Very Fine	1/13/2010	13.8	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES		10-325-QE27B	Silt, Fine	1/13/2010	17.6	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES		10-325-QE27B	Silt, Coarse	1/13/2010	12.4	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES		10-325-QE27B	Sand, Very Fine	1/13/2010	2.4	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES		10-325-QE27B	Sand, Very Coarse	1/13/2010	0.1	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES		10-325-QE27B	Sand, Medium	1/13/2010	0.5	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES		10-325-QE27B	Sand, Fine	1/13/2010	0.5	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES		10-325-QE27B	Gravel	1/13/2010	0.1	Yes	N	U			0.1	0.1	pct
CR-REF 95% FINES		10-325-QE27B	Fines (silt + clay)	1/13/2010	96.1	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES		10-325-QE27B	Clay, Medium	1/13/2010	7.7	Yes	Y				0.1	0.1	pct

SDG: QE27

Analytical Method PSEP

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDI	Units
CR-REF 95% FINES	10-325-QE27B	Clay, Fine	1/13/2010	13.4	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Clay, Coarse	1/13/2010	9.4	Yes	Y				0.1	0.1	pct
CR-REF 95% FINES	10-325-QE27B	Sand, Coarse	1/13/2010	0.4	Yes	Y				0.1	0.1	pct