APPENDIX 5

APPENDIX 5

Laboratory Data Sheets

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06-Sep-2011

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: 063188.15; Stearns & Foster

Work Order: **1109046**

Dear Keith,

ALS Environmental received 3 samples on 02-Sep-2011 08:04 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 9.

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

Sincerely,

Jim Baxter

Electronically approved by: Jim Baxter

Jim Baxter
Director

ALS Environmental

Date: 06-Sep-11

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Work Order: **1109046**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1109046-01	1:Sidewalk 1	Soil		9/1/2011	9/2/2011 08:04	☐
1109046-02	2:Drive 1	Soil		9/1/2011 16:10	9/2/2011 08:04	☐
1109046-03	3:Drive 2	Soil		9/1/2011 16:15	9/2/2011 08:04	☐

ALS Environmental

Date: *06-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Sample ID: 1:Sidewalk 1
Collection Date: 9/1/2011

Work Order: 1109046
Lab ID: 1109046-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/2/2011**	Analyst: **SAD**
Aroclor 1016	ND		3.0	mg/Kg-dry	20	9/3/2011
Aroclor 1221	ND		5.9	mg/Kg-dry	20	9/3/2011
Aroclor 1232	ND		3.0	mg/Kg-dry	20	9/3/2011
Aroclor 1242	ND		3.0	mg/Kg-dry	20	9/3/2011
Aroclor 1248	ND		3.0	mg/Kg-dry	20	9/3/2011
Aroclor 1254	ND		3.0	mg/Kg-dry	20	9/3/2011
Aroclor 1260	**150**		**3.0**	**mg/Kg-dry**	20	9/3/2011
Surr: Decachlorobiphenyl	*99.0*		*22-156*	*%REC*	1	9/3/2011
Surr: Tetrachloro-m-xylene	*93.2*		*34-145*	*%REC*	1	9/3/2011

Note:

ALS Environmental

Date: *06-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Sample ID: 2:Drive 1
Collection Date: 9/1/2011 04:10 PM

Work Order: 1109046
Lab ID: 1109046-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/2/2011**	Analyst: **SAD**
Aroclor 1016	ND		2.6	mg/Kg-dry	20	9/3/2011
Aroclor 1221	ND		5.3	mg/Kg-dry	20	9/3/2011
Aroclor 1232	ND		2.6	mg/Kg-dry	20	9/3/2011
Aroclor 1242	ND		2.6	mg/Kg-dry	20	9/3/2011
Aroclor 1248	ND		2.6	mg/Kg-dry	20	9/3/2011
Aroclor 1254	ND		2.6	mg/Kg-dry	20	9/3/2011
Aroclor 1260	**200**		**2.6**	**mg/Kg-dry**	20	9/3/2011
Surr: Decachlorobiphenyl	*105*		*22-156*	*%REC*	1	9/3/2011
Surr: Tetrachloro-m-xylene	*90.2*		*34-145*	*%REC*	1	9/3/2011

Note:

ALS Environmental

Date: *06-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Sample ID: 3:Drive 2
Collection Date: 9/1/2011 04:15 PM

Work Order: 1109046
Lab ID: 1109046-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/2/2011**	Analyst: **SAD**
Aroclor 1016	ND		6.4	mg/Kg-dry	50	9/3/2011
Aroclor 1221	ND		13	mg/Kg-dry	50	9/3/2011
Aroclor 1232	ND		6.4	mg/Kg-dry	50	9/3/2011
Aroclor 1242	ND		6.4	mg/Kg-dry	50	9/3/2011
Aroclor 1248	ND		6.4	mg/Kg-dry	50	9/3/2011
Aroclor 1254	ND		6.4	mg/Kg-dry	50	9/3/2011
Aroclor 1260	**390**		**6.4**	**mg/Kg-dry**	50	9/3/2011
Surr: Decachlorobiphenyl	*114*		*22-156*	*%REC*	1	9/3/2011
Surr: Tetrachloro-m-xylene	*96.4*		*34-145*	*%REC*	1	9/3/2011

Note:

ALS Environmental

Date: *06-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Work Order: 1109046

Analytical Comments

Method	Type:	SampID	SeqNo	Analysis	Comments
Batch 7618					
SW8082	Analysis	1109046-01Ams	316041	PCBs	MS/MSD could not be calculated due to high levels of acroclor 1260 in the sample.
SW8082	Analysis	1109046-01Amsd	316042	PCBs	MS/MSD could not be calculated due to high levels of acroclor 1260 in the sample.

ALS Environmental

Date: 06-Sep-11

Client: Soil and Materials Engineers
Work Order: 1109046
Project: 063188.15; Stearns & Foster

QC BATCH REPORT

Batch ID: **7618** Instrument ID: **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-7618-7618** Units: **mg/Kg** Analysis Date: **9/3/2011**

Client ID: Run ID: **GC9_110903A** SeqNo: **316038** Prep Date: **9/2/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.020								
Aroclor 1221	ND	0.040								
Aroclor 1232	ND	0.020								
Aroclor 1242	ND	0.020								
Aroclor 1248	ND	0.020								
Aroclor 1254	ND	0.020								
Aroclor 1260	ND	0.020								
Surr: Decachlorobiphenyl	*0.01503*	0	*0.01667*	0	*90.2*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0145*	0	*0.01667*	0	*87*	*34-145*	0			

LCS Sample ID: **LCS-7618-7618** Units: **mg/Kg** Analysis Date: **9/3/2011**

Client ID: Run ID: **GC9_110903A** SeqNo: **316039** Prep Date: **9/2/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	0.2823	0.020	0.3333	0	84.7	50-133	0			
Surr: Decachlorobiphenyl	*0.0151*	0	*0.01667*	0	*90.6*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.01403*	0	*0.01667*	0	*84.2*	*34-145*	0			

MS Sample ID: **1109046-01Ams** Units: **mg/Kg** Analysis Date: **9/3/2011**

Client ID: **1:Sidewalk 1** Run ID: **GC9_110903A** SeqNo: **316041** Prep Date: **9/2/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	ND	0.12	2.028	0	0	31-150	0			S
Surr: Decachlorobiphenyl	*0.1118*	0	*0.1014*	0	*110*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.09371*	0	*0.1014*	0	*92.4*	*34-145*	0			

MSD Sample ID: **1109046-01Amsd** Units: **mg/Kg** Analysis Date: **9/3/2011**

Client ID: **1:Sidewalk 1** Run ID: **GC9_110903A** SeqNo: **316042** Prep Date: **9/2/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	ND	0.12	2.008	0	0	31-150	0	0	53	S
Surr: Decachlorobiphenyl	*0.1078*	0	*0.1004*	0	*107*	*22-156*	0.1118	*3.58*		
Surr: Tetrachloro-m-xylene	*0.08614*	0	*0.1004*	0	*85.8*	*34-145*	0.09371	*8.41*		

The following samples were analyzed in this batch: 1109046-01A 1109046-02A 1109046-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 06-Sep-11

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
WorkOrder: **1109046**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: **SOIL&MATERIALS-CINCINNATI** Date/Time Received: **02-Sep-11 08:04**

Work Order: **1109046** Received by: **KMK**

Checklist completed by: Kelsey Kennedy (eSignature) 02-Sep-11 (Date) Reviewed by: Steve Wilcox (eSignature) 02-Sep-11 (Date)

Matrices:

Carrier name: Client

Shipping container/cooler in good condition?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	15.0		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

ALS

1109046

☐ REGULAR Status ☒ RUSH Status

Page 1 of 1

Cooler Temp: 15.0°C (Lab only)

12259

Date 9/2/11 Purchase Order No. _____ Billing Address (if different)

Company Name Soil & Materials Engineers

Address One N. Commerce Park Drive, Suite 113

CINCINNATI (City) OH (State) 45215 (Zip)

Person to Contact KEITH EGAN Project No. 063188.15

Email Address egan@sme-usa.com Sampling Site Stearns & Foster

Telephone (513) 319 8918 Date/Time of Collection 9/1/11

Fax Telephone ( ) _____ VAP ☒ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCBs									No. of Containers
1	SIDEWALK 1	9/1/11	2:55	-01		Soil	X									
2	DRIVE 1	"	4:10	-02		"	X									
3	DRIVE 2	"	4:15	-03		"	X									

Notes:

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	9/2/11 8:00	[signature]	9-2-11 8:04
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS | Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

ALS Environmental

20-Sep-2011

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: Stearns & Foster

Work Order: **1109165**

Dear Keith,

ALS Environmental received 3 samples on 08-Sep-2011 05:01 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 8.

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

Sincerely,

Jim Baxter

Electronically approved by: Jim Baxter

Jim Baxter
Director

ALS Environmental

Date: 20-Sep-11

Client: Soil and Materials Engineers
Project: Stearns & Foster
Work Order: **1109165**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1109165-01	Ditch 1	Soil		9/8/2011 11:30	9/8/2011 17:01	☐
1109165-02	Ditch 2	Soil		9/8/2011 11:40	9/8/2011 17:01	☐
1109165-03	Ditch 3	Soil		9/8/2011 11:50	9/8/2011 17:01	☐

ALS Environmental

Date: *20-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster
Sample ID: Ditch 1
Collection Date: 9/8/2011 11:30 AM

Work Order: 1109165
Lab ID: 1109165-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.33	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1248	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1254	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1260	**15**		**0.82**	**mg/Kg-dry**	5	9/14/2011
Surr: Decachlorobiphenyl	*92.8*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*83.2*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: *20-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster
Sample ID: Ditch 2
Collection Date: 9/8/2011 11:40 AM

Work Order: 1109165
Lab ID: 1109165-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.30	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1248	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1254	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1260	**18**		**0.75**	**mg/Kg-dry**	5	9/14/2011
Surr: Decachlorobiphenyl	*104*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*89.4*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: *20-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster
Sample ID: Ditch 3
Collection Date: 9/8/2011 11:50 AM

Work Order: 1109165
Lab ID: 1109165-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.32	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1248	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1254	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1260	**25**		**1.6**	**mg/Kg-dry**	10	9/14/2011
Surr: Decachlorobiphenyl	*109*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*92.8*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: 20-Sep-11

Client: Soil and Materials Engineers
Work Order: 1109165
Project: Stearns & Foster

QC BATCH REPORT

Batch ID: **7766** Instrument ID: **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-7766-7766** Units: **mg/Kg** Analysis Date: **9/14/2011**

Client ID: Run ID: **GC9_110914B** SeqNo: **319930** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.12								
Aroclor 1221	ND	0.24								
Aroclor 1232	ND	0.12								
Aroclor 1242	ND	0.12								
Aroclor 1248	ND	0.12								
Aroclor 1254	ND	0.12								
Aroclor 1260	ND	0.12								
Surr: Decachlorobiphenyl	*0.0976*	0	*0.1*	0	*97.6*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0724*	0	*0.1*	0	*72.4*	*34-145*	0			

LCS Sample ID: **LCS-7766-7766** Units: **mg/Kg** Analysis Date: **9/14/2011**

Client ID: Run ID: **GC9_110914B** SeqNo: **319931** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.838	0.12	2	0	91.9	50-133	0			
Surr: Decachlorobiphenyl	*0.1008*	0	*0.1*	0	*101*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0718*	0	*0.1*	0	*71.8*	*34-145*	0			

MS Sample ID: **1109224-11AMS** Units: **mg/Kg** Analysis Date: **9/14/2011**

Client ID: Run ID: **GC9_110914B** SeqNo: **319946** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.703	0.12	1.98	0	86	31-150	0			
Surr: Decachlorobiphenyl	*0.09327*	0	*0.09903*	0	*94.2*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.08317*	0	*0.09903*	0	*84*	*34-145*	0			

MSD Sample ID: **1109224-11AMSD** Units: **mg/Kg** Analysis Date: **9/14/2011**

Client ID: Run ID: **GC9_110914B** SeqNo: **319947** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.753	0.12	2.016	0	86.9	31-150	1.703	2.85	53	
Surr: Decachlorobiphenyl	*0.09597*	0	*0.1008*	0	*95.2*	*22-156*	0.09327	*2.85*		
Surr: Tetrachloro-m-xylene	*0.08387*	0	*0.1008*	0	*83.2*	*34-145*	0.08317	*0.841*		

The following samples were analyzed in this batch: 1109165-01A 1109165-02A 1109165-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental Date: 20-Sep-11

Client: Soil and Materials Engineers
Project: Stearns & Foster
WorkOrder: **1109165**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: **SOIL&MATERIALS-CINCINNATI** Date/Time Received: **08-Sep-11 17:01**

Work Order: **1109165** Received by: **KMK**

Checklist completed by: K elsey K ennedy (eSignature) 09-Sep-11 (Date) Reviewed by: Steve Wilcox (eSignature) 09-Sep-11 (Date)

Matrices:

Carrier name: Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.0		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes: VAP

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Field Chain-of Custody Record

1109165

☑ REGULAR Status ☐ RUSH Status

Page 1 of 2

Cooler Temp: 2.0°C (Lab only)

1 65

Date 9-8 Purchase Order No. —

Company Name SME

Address One N. Commerce Park #113

City: Cincinnati State: OH Zip: 45215

Person to Contact Keith Egan

Email Address egan@sme-usa.com

Telephone (513) 319 8918

Fax Telephone ( )

Billing Address (if different) Bonnie Rack (BAD) 15016 Reisenburg Land Cincinnati, OH 45215

Project No.

Sampling Site Stearns & Foster

Date/Time of Collection 9-8/1130

VAP ☒ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	PCB's								No. of Containers
~~Ditch~~ 1	Ditch 1	9-8	1130	01	—	S	✓								
2	Ditch 2	9-8	1140	02	—	S	✓								
3	Ditch 3	9-8	1150	03	—	S	✓								
~~4~~	~~Outfall Water~~	~~9-8~~	~~1500~~	SK	—										

Notes:

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
SK		[signature]	9-8-11 1701
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

07-Sep-2011

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: 063188.15; Stearns & Foster

Work Order: **1109085**

Dear Keith,

ALS Environmental received 9 samples on 02-Sep-2011 03:44 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 17.

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

Sincerely,

Jim Baxter

Electronically approved by: Jim Baxter

Jim Baxter
Director

ALS Environmental Date: 07-Sep-11

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Work Order: **1109085**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1109085-01	1:Upstream	Water		9/2/2011 11:30	9/2/2011 15:44	☐
1109085-02	2:Stream Outfall	Water		9/2/2011 11:00	9/2/2011 15:44	☐
1109085-03	3:Outfall Wipe 1	Wipe		9/2/2011 11:15	9/2/2011 15:44	☐
1109085-04	4:Outfall Wipe 2	Wipe		9/2/2011 11:15	9/2/2011 15:44	☐
1109085-05	5:Outfall Creek Sed 1	Soil		9/2/2011 11:05	9/2/2011 15:44	☐
1109085-06	6:Outfall Creek Sed 2	Soil		9/2/2011 11:25	9/2/2011 15:44	☐
1109085-07	7:Manway 1	Wipe		9/2/2011 10:15	9/2/2011 15:44	☐
1109085-08	8:Manway 2	Wipe		9/2/2011 10:45	9/2/2011 15:44	☐
1109085-09	9:Manway 3	Wipe		9/2/2011 10:30	9/2/2011 15:44	☐

ALS Environmental

Date: *07-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Sample ID: 1:Upstream
Collection Date: 9/2/2011 11:30 AM

Work Order: 1109085
Lab ID: 1109085-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/6/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.51	µg/L	1	9/6/2011
Aroclor 1221	ND		0.51	µg/L	1	9/6/2011
Aroclor 1232	ND		0.51	µg/L	1	9/6/2011
Aroclor 1242	ND		0.51	µg/L	1	9/6/2011
Aroclor 1248	ND		0.51	µg/L	1	9/6/2011
Aroclor 1254	ND		0.51	µg/L	1	9/6/2011
Aroclor 1260	ND		0.51	µg/L	1	9/6/2011
Surr: Decachlorobiphenyl	*79.8*		*37-108*	*%REC*	1	9/6/2011
Surr: Tetrachloro-m-xylene	*63.2*		*9-136*	*%REC*	1	9/6/2011

Note:

ALS Environmental

Date: *07-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Sample ID: 2:Stream Outfall
Collection Date: 9/2/2011 11:00 AM

Work Order: 1109085
Lab ID: 1109085-02
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/6/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.51	µg/L	1	9/6/2011
Aroclor 1221	ND		0.51	µg/L	1	9/6/2011
Aroclor 1232	ND		0.51	µg/L	1	9/6/2011
Aroclor 1242	ND		0.51	µg/L	1	9/6/2011
Aroclor 1248	ND		0.51	µg/L	1	9/6/2011
Aroclor 1254	ND		0.51	µg/L	1	9/6/2011
Aroclor 1260	ND		0.51	µg/L	1	9/6/2011
Surr: Decachlorobiphenyl	*81.0*		*37-108*	*%REC*	1	9/6/2011
Surr: Tetrachloro-m-xylene	*66.0*		*9-136*	*%REC*	1	9/6/2011

Note:

ALS Environmental

Date: *07-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Sample ID: 3:Outfall Wipe 1
Collection Date: 9/2/2011 11:15 AM

Work Order: 1109085
Lab ID: 1109085-03
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS WIPE			**SW8082**		Prep Date: **9/6/2011**	Analyst: **SAD**
Aroclor 1016	ND		1.0	µg/sample	1	9/6/2011
Aroclor 1221	ND		1.0	µg/sample	1	9/6/2011
Aroclor 1232	ND		1.0	µg/sample	1	9/6/2011
Aroclor 1242	ND		1.0	µg/sample	1	9/6/2011
Aroclor 1248	ND		1.0	µg/sample	1	9/6/2011
Aroclor 1254	ND		1.0	µg/sample	1	9/6/2011
Aroclor 1260	**4.1**		**1.0**	**µg/sample**	1	9/6/2011
Surr: Decachlorobiphenyl	*82.0*		*52.7-131*	*%REC*	1	9/6/2011
Surr: Tetrachloro-m-xylene	*76.4*		*62.4-115*	*%REC*	1	9/6/2011

Note:

ALS Environmental

Date: *07-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Sample ID: 4:Outfall Wipe 2
Collection Date: 9/2/2011 11:15 AM

Work Order: 1109085
Lab ID: 1109085-04
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS WIPE			**SW8082**		Prep Date: **9/6/2011**	Analyst: **SAD**
Aroclor 1016	ND		1.0	µg/sample	1	9/6/2011
Aroclor 1221	ND		1.0	µg/sample	1	9/6/2011
Aroclor 1232	ND		1.0	µg/sample	1	9/6/2011
Aroclor 1242	ND		1.0	µg/sample	1	9/6/2011
Aroclor 1248	ND		1.0	µg/sample	1	9/6/2011
Aroclor 1254	ND		1.0	µg/sample	1	9/6/2011
Aroclor 1260	ND		1.0	µg/sample	1	9/6/2011
Surr: Decachlorobiphenyl	*93.8*		*52.7-131*	*%REC*	1	9/6/2011
Surr: Tetrachloro-m-xylene	*81.8*		*62.4-115*	*%REC*	1	9/6/2011

Note:

ALS Environmental

Date: *07-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Sample ID: 5:Outfall Creek Sed 1
Collection Date: 9/2/2011 11:05 AM

Work Order: 1109085
Lab ID: 1109085-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/3/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	9/6/2011
Aroclor 1221	ND		0.26	mg/Kg-dry	1	9/6/2011
Aroclor 1232	ND		0.13	mg/Kg-dry	1	9/6/2011
Aroclor 1242	ND		0.13	mg/Kg-dry	1	9/6/2011
Aroclor 1248	ND		0.13	mg/Kg-dry	1	9/6/2011
Aroclor 1254	ND		0.13	mg/Kg-dry	1	9/6/2011
Aroclor 1260	**0.17**		**0.13**	**mg/Kg-dry**	1	9/6/2011
Surr: Decachlorobiphenyl	*86.8*		*22-156*	*%REC*	1	9/6/2011
Surr: Tetrachloro-m-xylene	*107*		*34-145*	*%REC*	1	9/6/2011

Note:

ALS Environmental

Date: *07-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Work Order: 1109085
Sample ID: 6:Outfall Creek Sed 2
Lab ID: 1109085-06
Collection Date: 9/2/2011 11:25 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/3/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	9/6/2011
Aroclor 1221	ND		0.29	mg/Kg-dry	1	9/6/2011
Aroclor 1232	ND		0.14	mg/Kg-dry	1	9/6/2011
Aroclor 1242	ND		0.14	mg/Kg-dry	1	9/6/2011
Aroclor 1248	ND		0.14	mg/Kg-dry	1	9/6/2011
Aroclor 1254	ND		0.14	mg/Kg-dry	1	9/6/2011
Aroclor 1260	**0.38**		**0.14**	**mg/Kg-dry**	1	9/6/2011
Surr: Decachlorobiphenyl	*90.8*		*22-156*	*%REC*	1	9/6/2011
Surr: Tetrachloro-m-xylene	*109*		*34-145*	*%REC*	1	9/6/2011

Note:

ALS Environmental

Date: *07-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Work Order: 1109085
Sample ID: 7:Manway 1
Lab ID: 1109085-07
Collection Date: 9/2/2011 10:15 AM
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS WIPE			**SW8082**		Prep Date: **9/6/2011**	Analyst: **SAD**
Aroclor 1016	ND		100	µg/sample	100	9/6/2011
Aroclor 1221	ND		100	µg/sample	100	9/6/2011
Aroclor 1232	ND		100	µg/sample	100	9/6/2011
Aroclor 1242	ND		100	µg/sample	100	9/6/2011
Aroclor 1248	ND		100	µg/sample	100	9/6/2011
Aroclor 1254	ND		100	µg/sample	100	9/6/2011
Aroclor 1260	**3,200**		**100**	**µg/sample**	100	9/6/2011
Surr: Decachlorobiphenyl	*158*	S	*52.7-131*	*%REC*	1	9/6/2011
Surr: Tetrachloro-m-xylene	*90.0*		*62.4-115*	*%REC*	1	9/6/2011

Note:

ALS Environmental

Date: *07-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Work Order: 1109085
Sample ID: 8:Manway 2
Lab ID: 1109085-08
Collection Date: 9/2/2011 10:45 AM
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS WIPE			**SW8082**		Prep Date: **9/6/2011**	Analyst: **SAD**
Aroclor 1016	ND		50	µg/sample	50	9/6/2011
Aroclor 1221	ND		50	µg/sample	50	9/6/2011
Aroclor 1232	ND		50	µg/sample	50	9/6/2011
Aroclor 1242	ND		50	µg/sample	50	9/6/2011
Aroclor 1248	ND		50	µg/sample	50	9/6/2011
Aroclor 1254	ND		50	µg/sample	50	9/6/2011
Aroclor 1260	**1,000**		**50**	**µg/sample**	50	9/6/2011
Surr: Decachlorobiphenyl	*110*		*52.7-131*	*%REC*	1	9/6/2011
Surr: Tetrachloro-m-xylene	*81.2*		*62.4-115*	*%REC*	1	9/6/2011

Note:

ALS Environmental

Date: *07-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Sample ID: 9:Manway 3
Collection Date: 9/2/2011 10:30 AM

Work Order: 1109085
Lab ID: 1109085-09
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS WIPE			**SW8082**		Prep Date: **9/6/2011**	Analyst: **SAD**
Aroclor 1016	ND		100	µg/sample	100	9/6/2011
Aroclor 1221	ND		100	µg/sample	100	9/6/2011
Aroclor 1232	ND		100	µg/sample	100	9/6/2011
Aroclor 1242	ND		100	µg/sample	100	9/6/2011
Aroclor 1248	ND		100	µg/sample	100	9/6/2011
Aroclor 1254	ND		100	µg/sample	100	9/6/2011
Aroclor 1260	**2,200**		**100**	**µg/sample**	100	9/6/2011
Surr: Decachlorobiphenyl	*133*	S	*52.7-131*	*%REC*	1	9/6/2011
Surr: Tetrachloro-m-xylene	*86.0*		*62.4-115*	*%REC*	1	9/6/2011

Note:

ALS Environmental

Date: *07-Sep-11*

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
Work Order: 1109085

Analytical Comments

Method	Type:	SampID	SeqNo	Analysis	Comments
Batch 7638					
SW8082	Analysis	1109085-07A	316361	PCBs wipe	DCBP surrogate fails high due to high levels of Aroclor 1260 in the sample.
SW8082	Analysis	1109085-09A	316363	PCBs wipe	DCBP surrogate fails high due to high levels of Aroclor 1260 in the sample.

ALS Environmental

Date: 07-Sep-11

Client: Soil and Materials Engineers
Work Order: 1109085
Project: 063188.15; Stearns & Foster

QC BATCH REPORT

Batch ID: **7636** Instrument ID: **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-7636-7636** Units: **mg/Kg** Analysis Date: **9/4/2011 11:24 AM**

Client ID: Run ID: **GC9_110902A** SeqNo: **315976** Prep Date: **9/3/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.020								
Aroclor 1221	ND	0.040								
Aroclor 1232	ND	0.020								
Aroclor 1242	ND	0.020								
Aroclor 1248	ND	0.020								
Aroclor 1254	ND	0.020								
Aroclor 1260	ND	0.020								
Surr: Decachlorobiphenyl	*0.01497*	0	*0.01667*	0	*89.8*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0155*	0	*0.01667*	0	*93*	*34-145*	0			

LCS Sample ID: **LCS-7636-7636** Units: **mg/Kg** Analysis Date: **9/4/2011 11:46 AM**

Client ID: Run ID: **GC9_110902A** SeqNo: **315977** Prep Date: **9/3/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	0.2918	0.020	0.3333	0	87.5	50-133	0			
Surr: Decachlorobiphenyl	*0.0155*	0	*0.01667*	0	*93*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.015*	0	*0.01667*	0	*90*	*34-145*	0			

MS Sample ID: **1109085-06AMS** Units: **mg/Kg** Analysis Date: **9/6/2011**

Client ID: **6:Outfall Creek Sed 2** Run ID: **GC9_110906A** SeqNo: **316354** Prep Date: **9/3/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.832	0.12	2.012	0.3101	75.6	31-150	0			
Surr: Decachlorobiphenyl	*0.09195*	0	*0.1006*	0	*91.4*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.108*	0	*0.1006*	0	*107*	*34-145*	0			

MSD Sample ID: **1109085-06AMSD** Units: **mg/Kg** Analysis Date: **9/6/2011**

Client ID: **6:Outfall Creek Sed 2** Run ID: **GC9_110906A** SeqNo: **316355** Prep Date: **9/3/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.863	0.12	1.976	0.3101	78.6	31-150	1.832	1.7	53	
Surr: Decachlorobiphenyl	*0.08498*	0	*0.09883*	0	*86*	*22-156*	0.09195	*7.88*		
Surr: Tetrachloro-m-xylene	*0.1099*	0	*0.09883*	0	*111*	*34-145*	0.108	*1.68*		

The following samples were analyzed in this batch: 1109085-05A 1109085-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Soil and Materials Engineers
Work Order: 1109085
Project: 063188.15; Stearns & Foster

QC BATCH REPORT

Batch ID: **7638** Instrument ID: **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-7638-7638** Units: **µg/sample** Analysis Date: **9/6/2011**
Client ID: Run ID: **GC9_110906A** SeqNo: **316357** Prep Date: **9/6/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Surr: Decachlorobiphenyl	*0.481*	0	*0.5*	0	*96.2*	*52.7-131*		0		
Surr: Tetrachloro-m-xylene	*0.456*	0	*0.5*	0	*91.2*	*62.4-115*		0		

LCS Sample ID: **LCS-7638-7638** Units: **µg/sample** Analysis Date: **9/6/2011**
Client ID: Run ID: **GC9_110906A** SeqNo: **316358** Prep Date: **9/6/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	7.83	1.0	10	0	78.3	67.5-137		0		
Surr: Decachlorobiphenyl	*0.417*	0	*0.5*	0	*83.4*	*52.7-131*		0		
Surr: Tetrachloro-m-xylene	*0.405*	0	*0.5*	0	*81*	*62.4-115*		0		

LCSD Sample ID: **LCSd-7638-7638** Units: **µg/sample** Analysis Date: **9/6/2011**
Client ID: Run ID: **GC9_110906A** SeqNo: **316364** Prep Date: **9/6/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	7.638	1.0	10	0	76.4	67.5-137	7.83	2.48	2.64	
Surr: Decachlorobiphenyl	*0.415*	0	*0.5*	0	*83*	*52.7-131*	0.417	*0.481*	*2.31*	
Surr: Tetrachloro-m-xylene	*0.382*	0	*0.5*	0	*76.4*	*62.4-115*	0.405	*5.84*	*3.61*	*R*

The following samples were analyzed in this batch:

1109085-03A	1109085-04A	1109085-07A
1109085-08A	1109085-09A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Soil and Materials Engineers
Work Order: 1109085
Project: 063188.15; Stearns & Foster

QC BATCH REPORT

Batch ID: **7646** Instrument ID: **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-7646-7646** Units: **µg/L** Analysis Date: **9/6/2011**

Client ID: Run ID: **GC9_110906A** SeqNo: **316348** Prep Date: **9/6/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.50								
Aroclor 1221	ND	0.50								
Aroclor 1232	ND	0.50								
Aroclor 1242	ND	0.50								
Aroclor 1248	ND	0.50								
Aroclor 1254	ND	0.50								
Aroclor 1260	ND	0.50								
Surr: Decachlorobiphenyl	*0.497*	0	*0.5*	0	*99.4*	*37-108*		0		
Surr: Tetrachloro-m-xylene	*0.341*	0	*0.5*	0	*68.2*	*9-136*		0		

LCS Sample ID: **LCS-7646-7646** Units: **µg/L** Analysis Date: **9/6/2011**

Client ID: Run ID: **GC9_110906A** SeqNo: **316349** Prep Date: **9/6/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	7.521	0.50	10	0	75.2	61-122		0		
Surr: Decachlorobiphenyl	*0.311*	0	*0.5*	0	*62.2*	*37-108*		0		
Surr: Tetrachloro-m-xylene	*0.349*	0	*0.5*	0	*69.8*	*9-136*		0		

The following samples were analyzed in this batch: 1109085-01A 1109085-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental Date: 07-Sep-11

Client: Soil and Materials Engineers
Project: 063188.15; Stearns & Foster
WorkOrder: **1109085**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
µg/L	
µg/sample	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: **SOIL&MATERIALS-CINCINNATI** Date/Time Received: **02-Sep-11 15:44**

Work Order: **1109085** Received by: **SJW**

Checklist completed by: K elsey K ennedy (eSignature) 02-Sep-11 (Date) Reviewed by: Steve Wilcox (eSignature) 06-Sep-11 (Date)

Matrices:
Carrier name: Client

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☐	☐	☑
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☑	☐	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	

Temperature(s)/Thermometer(s): 2.0

Cooler(s)/Kit(s):

	Yes	No		
Water - VOA vials have zero headspace?	☐	☐	No VOA vials submitted	☑
Water - pH acceptable upon receipt?	☐	☐	N/A	☑
pH adjusted?	☐	☐	N/A	☑

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

ALS

1109085

☐ REGULAR Status ☒ RUSH Status

Page 1 of 1

Cooler Temp: 2.0°C (Lab only)

1062

Date 9/2/11 Purchase Order No. _____ Billing Address (if different)

Company Name Soil & Materials Engineers

Address One North Commerce Park Drive

Cincinnati (City) OH (State) 45202 (Zip)

Person to Contact Keith Egan Project No. 063188.15

Email Address egan@sme-usa.com Sampling Site Stearns & Foster

Telephone (513) 319 8918 Date/Time of Collection 9/2/11

Fax Telephone ( ) _____ VAP ☒ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	PCBs									No. of Containers
1	Upstream	9/2/11	11:30	01	–	W	X									
2	Stream Outfall	"	11:00	02	–	W	X									
3	Outfall Wipe 1	"	11:15	03	–	W_1	X									
4	Outfall Wipe 2	"	11:20	04	–	W_1	X									
5	Outfall Creek Sed 1	"	11:05	05	–	S	X									
6	Outfall Creek Sed 2	"	11:25	06	–	S	X									
7	Manway 1	"	10:15	07	–	W_1	X									
8	Manway 2	"	10:45	08	–	W_1	X									
9	Manway 3	"	10:30	09	–	W_1	X									

Notes: W_1 = Wipe W = Water
S = Sediment

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	15:44 / 9-2-11	Steve Wilson	9/2/11 15:44
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

ALS Environmental

14-Sep-2011

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: Stearns & Foster; 063188.15 Work Order: **1109252**

Dear Keith,

ALS Environmental received 1 sample on 13-Sep-2011 01:50 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 6.

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

Sincerely,

Jim Baxter

Electronically approved by: Jim Baxter

Jim Baxter
Director

ALS Environmental Date: 14-Sep-11

Client: Soil and Materials Engineers
Project: Stearns & Foster; 063188.15
Work Order: **1109252**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1109252-01	Manway 4	Wipe		9/13/2011	9/13/2011 13:50	☐

ALS Environmental

Date: *14-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; 063188.15
Sample ID: Manway 4
Collection Date: 9/13/2011

Work Order: 1109252
Lab ID: 1109252-01
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS WIPE			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		1.0	µg/sample	1	9/14/2011
Aroclor 1221	ND		1.0	µg/sample	1	9/14/2011
Aroclor 1232	ND		1.0	µg/sample	1	9/14/2011
Aroclor 1242	ND		1.0	µg/sample	1	9/14/2011
Aroclor 1248	ND		1.0	µg/sample	1	9/14/2011
Aroclor 1254	ND		1.0	µg/sample	1	9/14/2011
Aroclor 1260	**50**		**10**	**µg/sample**	10	9/14/2011
Aroclor 1262	ND		1.0	µg/sample	1	9/14/2011
Aroclor 1268	ND		1.0	µg/sample	1	9/14/2011
Surr: Decachlorobiphenyl	*68.6*		*52.7-131*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*66.4*		*62.4-115*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: 14-Sep-11

Client: Soil and Materials Engineers
Work Order: 1109252
Project: Stearns & Foster; 063188.15

QC BATCH REPORT

Batch ID: **7765** Instrument ID: **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-7765-7765** Units: **µg/sample** Analysis Date: **9/14/2011**

Client ID: Run ID: **GC9_110914A** SeqNo: **319204** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Aroclor 1262	ND	1.0								
Aroclor 1268	ND	1.0								
Surr: Decachlorobiphenyl	*0.445*	0	*0.5*	0	*89*	*52.7-131*		0		
Surr: Tetrachloro-m-xylene	*0.389*	0	*0.5*	0	*77.8*	*62.4-115*		0		

LCS Sample ID: **LCS-7765-7765** Units: **µg/sample** Analysis Date: **9/14/2011**

Client ID: Run ID: **GC9_110914A** SeqNo: **319205** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	8.093	1.0	10	0	80.9	67.5-137		0		
Surr: Decachlorobiphenyl	*0.47*	0	*0.5*	0	*94*	*52.7-131*		0		
Surr: Tetrachloro-m-xylene	*0.397*	0	*0.5*	0	*79.4*	*62.4-115*		0		

LCSD Sample ID: **LCSd-7765-7765** Units: **µg/sample** Analysis Date: **9/14/2011**

Client ID: Run ID: **GC9_110914A** SeqNo: **319207** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	8.053	1.0	10	0	80.5	67.5-137	8.093	0.495	2.64	
Surr: Decachlorobiphenyl	*0.477*	0	*0.5*	0	*95.4*	*52.7-131*	0.47	*1.48*	*2.31*	
Surr: Tetrachloro-m-xylene	*0.394*	0	*0.5*	0	*78.8*	*62.4-115*	0.397	*0.759*	*3.61*	

The following samples were analyzed in this batch: 1109252-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 14-Sep-11

Client: Soil and Materials Engineers
Project: Stearns & Foster; 063188.15
WorkOrder: **1109252**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **SOIL&MATERIALS-CINCINNATI** Date/Time Received: **13-Sep-11 13:50**

Work Order: **1109252** Received by: **KMK**

Checklist completed by: Kelsey Kennedy (eSignature) 13-Sep-11 (Date) Reviewed by: Jan Wilcox (eSignature) 13-Sep-11 (Date)

Matrices:

Carrier name: Client

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

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

ALS

1109252

☐ REGULAR Status ☒ RUSH Status

Page 1 of 1

Cooler Temp: 5.7°C (Lab only)

12268

Date 9/13/11 Purchase Order No. _____ Billing Address (if different) _____

Company Name Soil & Material Eng.

Address One No. Commerce Park Dr. #113

Cincinnati (City) OH (State) 45215 (Zip)

Person to Contact Keith Egan

Project No. 063188.15

Email Address eganesme-usa.com

Sampling Site Stearns & Foster

Telephone ( ) 513 319 8918

Date/Time of Collection 9/13/11

Fax Telephone ( ) _____

VAP ☒ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCB's									No. of Containers
1	Manway 4	9-13	1100	01	-	~~Soil~~ Wipe	✓									

Notes:

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	1350 9-13	[signature]	9-13-11 13:50
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS | Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

19-Sep-2011

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: Stearns & Foster; 064310 Work Order: **1109224**

Dear Keith,

ALS Environmental received 11 samples on 12-Sep-2011 03:50 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 17.

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

Sincerely,

Jim Baxter

Electronically approved by: Jim Baxter

Jim Baxter
Director

ALS Environmental

Date: 19-Sep-11

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
Work Order: **1109224**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1109224-01	DS1	Soil		9/12/2011 10:00	9/12/2011 15:50	☐
1109224-02	DS2	Soil		9/12/2011 10:15	9/12/2011 15:50	☐
1109224-03	DS3	Soil		9/12/2011 10:30	9/12/2011 15:50	☐
1109224-04	OF1	Soil		9/12/2011 10:45	9/12/2011 15:50	☐
1109224-05	US1	Soil		9/12/2011 11:00	9/12/2011 15:50	☐
1109224-06	US2	Soil		9/12/2011 11:15	9/12/2011 15:50	☐
1109224-07	EOF1	Soil		9/12/2011 11:30	9/12/2011 15:50	☐
1109224-08	EOF2	Soil		9/12/2011 11:45	9/12/2011 15:50	☐
1109224-09	EOF3	Soil		9/12/2011 11:58	9/12/2011 15:50	☐
1109224-10	USPT1	Soil		9/12/2011 13:00	9/12/2011 15:50	☐
1109224-11	USPT2	Soil		9/12/2011 13:15	9/12/2011 15:50	☐

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
Work Order: 1109224

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements.

ALS Environmental

Date: *19-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
Work Order: 1109224
Sample ID: DS1
Lab ID: 1109224-01
Collection Date: 9/12/2011 10:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.29	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1248	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1254	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1260	ND		0.14	mg/Kg-dry	1	9/14/2011
Surr: Decachlorobiphenyl	*97.2*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*76.8*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: *19-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
Work Order: 1109224
Sample ID: DS2
Lab ID: 1109224-02
Collection Date: 9/12/2011 10:15 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.28	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1248	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1254	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1260	ND		0.14	mg/Kg-dry	1	9/14/2011
Surr: Decachlorobiphenyl	*97.6*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*75.0*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: *19-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
Work Order: 1109224
Sample ID: DS3
Lab ID: 1109224-03
Collection Date: 9/12/2011 10:30 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.28	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1248	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1254	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1260	ND		0.14	mg/Kg-dry	1	9/14/2011
Surr: Decachlorobiphenyl	*97.2*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*76.4*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: *19-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
Work Order: 1109224
Sample ID: OF1
Lab ID: 1109224-04
Collection Date: 9/12/2011 10:45 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.28	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1248	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1254	ND		0.14	mg/Kg-dry	1	9/14/2011
Aroclor 1260	ND		0.14	mg/Kg-dry	1	9/14/2011
Surr: Decachlorobiphenyl	*95.2*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*74.6*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: *19-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
Work Order: 1109224
Sample ID: US1
Lab ID: 1109224-05
Collection Date: 9/12/2011 11:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.17	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.34	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.17	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.17	mg/Kg-dry	1	9/14/2011
Aroclor 1248	**0.37**		**0.17**	**mg/Kg-dry**	1	9/14/2011
Aroclor 1254	ND		0.17	mg/Kg-dry	1	9/14/2011
Aroclor 1260	ND		0.17	mg/Kg-dry	1	9/14/2011
Surr: Decachlorobiphenyl	*92.6*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*76.4*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: *19-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
Work Order: 1109224
Sample ID: US2
Lab ID: 1109224-06
Collection Date: 9/12/2011 11:15 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.19	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.38	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.19	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.19	mg/Kg-dry	1	9/14/2011
Aroclor 1248	**0.55**		**0.19**	**mg/Kg-dry**	1	9/14/2011
Aroclor 1254	ND		0.19	mg/Kg-dry	1	9/14/2011
Aroclor 1260	ND		0.19	mg/Kg-dry	1	9/14/2011
Surr: Decachlorobiphenyl	*110*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*89.6*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: *19-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
Work Order: 1109224
Sample ID: EOF1
Lab ID: 1109224-07
Collection Date: 9/12/2011 11:30 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.32	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1248	**0.27**		**0.16**	**mg/Kg-dry**	1	9/14/2011
Aroclor 1254	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1260	ND		0.16	mg/Kg-dry	1	9/14/2011
Surr: Decachlorobiphenyl	*110*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*88.2*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: *19-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
Work Order: 1109224
Sample ID: EOF2
Lab ID: 1109224-08
Collection Date: 9/12/2011 11:45 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.17	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.33	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.17	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.17	mg/Kg-dry	1	9/14/2011
Aroclor 1248	ND		0.17	mg/Kg-dry	1	9/14/2011
Aroclor 1254	ND		0.17	mg/Kg-dry	1	9/14/2011
Aroclor 1260	ND		0.17	mg/Kg-dry	1	9/14/2011
Surr: Decachlorobiphenyl	*106*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*83.6*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: *19-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
Work Order: 1109224
Sample ID: EOF3
Lab ID: 1109224-09
Collection Date: 9/12/2011 11:58 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.30	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1248	**0.30**		**0.15**	**mg/Kg-dry**	1	9/14/2011
Aroclor 1254	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1260	ND		0.15	mg/Kg-dry	1	9/14/2011
Surr: Decachlorobiphenyl	*104*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*87.0*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: *19-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
Work Order: 1109224
Sample ID: USPT1
Lab ID: 1109224-10
Collection Date: 9/12/2011 01:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.30	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1248	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1254	ND		0.15	mg/Kg-dry	1	9/14/2011
Aroclor 1260	ND		0.15	mg/Kg-dry	1	9/14/2011
Surr: Decachlorobiphenyl	*103*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*83.0*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: *19-Sep-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
Work Order: 1109224
Sample ID: USPT2
Lab ID: 1109224-11
Collection Date: 9/12/2011 01:15 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **9/14/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1221	ND		0.32	mg/Kg-dry	1	9/14/2011
Aroclor 1232	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1242	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1248	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1254	ND		0.16	mg/Kg-dry	1	9/14/2011
Aroclor 1260	ND		0.16	mg/Kg-dry	1	9/14/2011
Surr: Decachlorobiphenyl	*97.2*		*22-156*	*%REC*	1	9/14/2011
Surr: Tetrachloro-m-xylene	*84.0*		*34-145*	*%REC*	1	9/14/2011

Note:

ALS Environmental

Date: 19-Sep-11

Client: Soil and Materials Engineers
Work Order: 1109224
Project: Stearns & Foster; 064310

QC BATCH REPORT

Batch ID: **7766** Instrument ID: **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-7766-7766** Units: **mg/Kg** Analysis Date: **9/14/2011**

Client ID: Run ID: **GC9_110914B** SeqNo: **319930** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.12								
Aroclor 1221	ND	0.24								
Aroclor 1232	ND	0.12								
Aroclor 1242	ND	0.12								
Aroclor 1248	ND	0.12								
Aroclor 1254	ND	0.12								
Aroclor 1260	ND	0.12								
Surr: Decachlorobiphenyl	*0.0976*	0	*0.1*	0	*97.6*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0724*	0	*0.1*	0	*72.4*	*34-145*	0			

LCS Sample ID: **LCS-7766-7766** Units: **mg/Kg** Analysis Date: **9/14/2011**

Client ID: Run ID: **GC9_110914B** SeqNo: **319931** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.838	0.12	2	0	91.9	50-133	0			
Surr: Decachlorobiphenyl	*0.1008*	0	*0.1*	0	*101*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0718*	0	*0.1*	0	*71.8*	*34-145*	0			

MS Sample ID: **1109224-11AMS** Units: **mg/Kg** Analysis Date: **9/14/2011**

Client ID: **USPT2** Run ID: **GC9_110914B** SeqNo: **319946** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.703	0.12	1.98	0	86	31-150	0			
Surr: Decachlorobiphenyl	*0.09327*	0	*0.09903*	0	*94.2*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.08317*	0	*0.09903*	0	*84*	*34-145*	0			

MSD Sample ID: **1109224-11AMSD** Units: **mg/Kg** Analysis Date: **9/14/2011**

Client ID: **USPT2** Run ID: **GC9_110914B** SeqNo: **319947** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.753	0.12	2.016	0	86.9	31-150	1.703	2.85	53	
Surr: Decachlorobiphenyl	*0.09597*	0	*0.1008*	0	*95.2*	*22-156*	0.09327	*2.85*		
Surr: Tetrachloro-m-xylene	*0.08387*	0	*0.1008*	0	*83.2*	*34-145*	0.08317	*0.841*		

The following samples were analyzed in this batch:

1109224-01A	1109224-02A	1109224-03A
1109224-04A	1109224-05A	1109224-06A
1109224-07A	1109224-08A	1109224-09A
1109224-10A	1109224-11A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 19-Sep-11

Client: Soil and Materials Engineers
Project: Stearns & Foster; 064310
WorkOrder: **1109224**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: **SOIL&MATERIALS-CINCINNATI** Date/Time Received: **12-Sep-11 15:50**

Work Order: **1109224** Received by: **SJW**

Checklist completed by: Kelsey Kennedy (eSignature) 12-Sep-11 (Date) Reviewed by: Steve Wilcox (eSignature) 12-Sep-11 (Date)

Matrices:

Carrier name: Client

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

Login Notes: VAP

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

ALS

1109224

☒ see notes REGULAR Status ☐ RUSH Status

Page 1 of 2

Cooler Temp: 2.6 (Lab only)

12266

Date 9/12/11 Purchase Order No. _____

Company Name Soil & Materials Eng.

Address _____

City State Zip

Person to Contact Kegan

Email Address egan@smg-usa.com

Telephone ( ) 513 319 8918

Fax Telephone ( ) _____

Billing Address (if different) Bonnie Rack, 1506 Riesenburg Ln, Cincinnati, OH 45215

Project No. 064310

Sampling Site Stearns & Foster (Mill creek)

Date/Time of Collection 9/12/11

VAP ☒ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	PCB's									No. of Containers
1	EOF1 DS1	9-12	1000	01	–	S	✓									
2	DS2	9-12	1015	02	–	S	✓									
3	DS3	9-12	1030	03	–	S	✓									
4	OF1	9-12	1045	04	–	S	✓									
5	US1	9-12	1100	05	–	S	✓									
6	US2	9-12	1115	06	–	S	✓									
7	EOF1	9-12	1130	07	–	S	✓									
8	EOF2	9-12	1145	08	–	S	✓									
9	EOF3	9-12	1158	09	–	S	✓									
10	USPT1	9-12	1300	10	–	S	✓									

Notes: 5 day TAT @ standard price - see Jim. Do not issue affidavit until notified

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	3:50 9-12	Steve Miller	9/12/11 15:50

Ship to: ALS Environmental, 4388 Glendale - Milford Road, Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

Field Chain-of-Custody Record

ALS

1109224

see notes

☒ REGULAR Status ☐ RUSH Status

Page 2 of 2

Cooler Temp: 2.6 (Lab only)

12 37

Date 9/12 Purchase Order No.

Company Name Soil & Materials Engineers

Address

City State Zip

Person to Contact Keith Egan

Email Address egan@sme-usa.com

Telephone ( ) 513 319 8918

Fax Telephone ( )

Billing Address (if different) Bonnie Rack

1506 Riesenberg Ln

Cincinnati, OH 45215

Project No. 064310

Sampling Site Stearns & Foster (Mill Creek)

Date/Time of Collection 9/12/11

VAP ☐ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCB's									No. of Containers
1	VSPT 2	9-12	1315	-11	—	S	✓									

Notes: 5 day TATe standard price – per Jim. Do not issue affidavit until notified

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
St Pa	350 9/12	Steve Wilson	9/12/11 15:50
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

28-Nov-2011

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: Stearns & Foster; Project No.: 063188.15 Work Order: **1111398**

Dear Keith,

ALS Environmental received 8 samples on 16-Nov-2011 03:44 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 15.

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

Sincerely,

Jim Baxter

Electronically approved by: Jim Baxter

Jim Baxter
Director

ALS Environmental Date: 28-Nov-11

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: 1111398

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Dat	Date Received	Hold
1111398-01	PC1	Soil		11/16/2011	11/16/2011 15:4	☐
1111398-02	PC2	Soil		11/16/2011 10:05	11/16/2011 15:4	☐
1111398-03	PC3	Soil		11/16/2011 10:10	11/16/2011 15:4	☐
1111398-04	PC4	Soil		11/16/2011 10:15	11/16/2011 15:4	☐
1111398-05	PC5	Soil		11/16/2011 10:20	11/16/2011 15:4	☐
1111398-06	PC6	Soil		11/16/2011 10:25	11/16/2011 15:4	☐
1111398-07	PC7	Soil		11/16/2011 10:30	11/16/2011 15:4	☐
1111398-08	PC8	Soil		11/16/2011 10:35	11/16/2011 15:4	☐

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: 1111398

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements.

ALS Environmental

Date: *28-Nov-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: 1111398
Sample ID: PC1
Lab ID: 1111398-01
Collection Date: 11/16/2011
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **11/18/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1221	ND		0.28	mg/Kg-dry	1	11/18/2011
Aroclor 1232	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1242	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1248	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1254	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1260	ND		0.14	mg/Kg-dry	1	11/18/2011
Surr: Decachlorobiphenyl	*84.6*		*22-156*	*%REC*	1	11/18/2011
Surr: Tetrachloro-m-xylene	*85.0*		*34-145*	*%REC*	1	11/18/2011

Note:

ALS Environmental

Date: *28-Nov-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15 **Work Order:** 1111398
Sample ID: PC2 **Lab ID:** 1111398-02
Collection Date: 11/16/2011 10:05 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **11/18/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1221	ND		0.28	mg/Kg-dry	1	11/18/2011
Aroclor 1232	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1242	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1248	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1254	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1260	ND		0.14	mg/Kg-dry	1	11/18/2011
Surr: Decachlorobiphenyl	*86.0*		*22-156*	*%REC*	1	11/18/2011
Surr: Tetrachloro-m-xylene	*87.6*		*34-145*	*%REC*	1	11/18/2011

Note:

ALS Environmental

Date: *28-Nov-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: 1111398
Sample ID: PC3
Lab ID: 1111398-03
Collection Date: 11/16/2011 10:10 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **11/18/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.15	mg/Kg-dry	1	11/18/2011
Aroclor 1221	ND		0.29	mg/Kg-dry	1	11/18/2011
Aroclor 1232	ND		0.15	mg/Kg-dry	1	11/18/2011
Aroclor 1242	ND		0.15	mg/Kg-dry	1	11/18/2011
Aroclor 1248	ND		0.15	mg/Kg-dry	1	11/18/2011
Aroclor 1254	ND		0.15	mg/Kg-dry	1	11/18/2011
Aroclor 1260	**8.5**		**0.15**	**mg/Kg-dry**	1	11/18/2011
Surr: Decachlorobiphenyl	*91.6*		*22-156*	*%REC*	1	11/18/2011
Surr: Tetrachloro-m-xylene	*86.0*		*34-145*	*%REC*	1	11/18/2011

Note:

ALS Environmental

Date: *28-Nov-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: 1111398
Sample ID: PC4
Lab ID: 1111398-04
Collection Date: 11/16/2011 10:15 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **11/18/2011**	Analyst: **SAD**
Aroclor 1016	ND		29	mg/Kg-dry	200	11/18/2011
Aroclor 1221	ND		59	mg/Kg-dry	200	11/18/2011
Aroclor 1232	ND		29	mg/Kg-dry	200	11/18/2011
Aroclor 1242	ND		29	mg/Kg-dry	200	11/18/2011
Aroclor 1248	ND		29	mg/Kg-dry	200	11/18/2011
Aroclor 1254	ND		29	mg/Kg-dry	200	11/18/2011
Aroclor 1260	**1,000**		**29**	**mg/Kg-dry**	200	11/18/2011
Surr: Decachlorobiphenyl	*169*	S	*22-156*	*%REC*	1	11/18/2011
Surr: Tetrachloro-m-xylene	*75.6*		*34-145*	*%REC*	1	11/18/2011

Note:

ALS Environmental

Date: *28-Nov-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: 1111398
Sample ID: PC5
Lab ID: 1111398-05
Collection Date: 11/16/2011 10:20 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **11/18/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1221	ND		0.29	mg/Kg-dry	1	11/18/2011
Aroclor 1232	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1242	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1248	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1254	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1260	**0.65**		**0.14**	**mg/Kg-dry**	1	11/18/2011
Surr: Decachlorobiphenyl	*81.8*		*22-156*	*%REC*	1	11/18/2011
Surr: Tetrachloro-m-xylene	*87.2*		*34-145*	*%REC*	1	11/18/2011

Note:

ALS Environmental

Date: *28-Nov-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: 1111398
Sample ID: PC6
Lab ID: 1111398-06
Collection Date: 11/16/2011 10:25 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **11/18/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.15	mg/Kg-dry	1	11/18/2011
Aroclor 1221	ND		0.29	mg/Kg-dry	1	11/18/2011
Aroclor 1232	ND		0.15	mg/Kg-dry	1	11/18/2011
Aroclor 1242	ND		0.15	mg/Kg-dry	1	11/18/2011
Aroclor 1248	ND		0.15	mg/Kg-dry	1	11/18/2011
Aroclor 1254	ND		0.15	mg/Kg-dry	1	11/18/2011
Aroclor 1260	ND		0.15	mg/Kg-dry	1	11/18/2011
Surr: Decachlorobiphenyl	*81.2*		*22-156*	*%REC*	1	11/18/2011
Surr: Tetrachloro-m-xylene	*83.2*		*34-145*	*%REC*	1	11/18/2011

Note:

ALS Environmental

Date: *28-Nov-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15 **Work Order:** 1111398
Sample ID: PC7 **Lab ID:** 1111398-07
Collection Date: 11/16/2011 10:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **11/18/2011**	Analyst: **SAD**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1221	ND		0.28	mg/Kg-dry	1	11/18/2011
Aroclor 1232	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1242	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1248	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1254	ND		0.14	mg/Kg-dry	1	11/18/2011
Aroclor 1260	**0.34**		**0.14**	**mg/Kg-dry**	1	11/18/2011
Surr: Decachlorobiphenyl	*86.2*		*22-156*	*%REC*	1	11/18/2011
Surr: Tetrachloro-m-xylene	*87.8*		*34-145*	*%REC*	1	11/18/2011

Note:

ALS Environmental

Date: *28-Nov-11*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: 1111398
Sample ID: PC8
Lab ID: 1111398-08
Collection Date: 11/16/2011 10:35 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **11/18/2011**	Analyst: **SAD**
Aroclor 1016	ND		15	mg/Kg-dry	100	11/18/2011
Aroclor 1221	ND		30	mg/Kg-dry	100	11/18/2011
Aroclor 1232	ND		15	mg/Kg-dry	100	11/18/2011
Aroclor 1242	ND		15	mg/Kg-dry	100	11/18/2011
Aroclor 1248	ND		15	mg/Kg-dry	100	11/18/2011
Aroclor 1254	ND		15	mg/Kg-dry	100	11/18/2011
Aroclor 1260	**54**		**15**	**mg/Kg-dry**	100	11/18/2011
Surr: Decachlorobiphenyl	*86.2*		*22-156*	*%REC*	1	11/18/2011
Surr: Tetrachloro-m-xylene	*85.0*		*34-145*	*%REC*	1	11/18/2011

Note:

ALS Environmental

Date: *28-Nov-11*

Analytical Comments

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: 1111398

Method	Type:	SampID	SeqNo	Analysis	Comments
Batch 8779					
SW8082	Analysis	1111398-04A	354596	PCBs	DCBP Surrogate failed due to high levels of PCB's in the sample.

ALS Environmental

Date: 28-Nov-11

Client: Soil and Materials Engineers

Work Order: 1111398

Project: Stearns & Foster; Project No.: 063188.15

QC BATCH REPORT

Batch ID: **8779** Instrument ID **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-8779-8779** Units: **mg/Kg** Analysis Date: **11/18/2011**

Client ID: Run ID: **GC9_111118A** SeqNo: **354591** Prep Date: **11/18/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.020								
Aroclor 1221	ND	0.040								
Aroclor 1232	ND	0.020								
Aroclor 1242	ND	0.020								
Aroclor 1248	ND	0.020								
Aroclor 1254	ND	0.020								
Aroclor 1260	ND	0.020								
Surr: Decachlorobiphenyl	*0.01423*	0	*0.01667*	0	*85.4*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.015*	0	*0.01667*	0	*90*	*34-145*	0			

LCS Sample ID: **LCS-8779-8779** Units: **mg/Kg** Analysis Date: **11/18/2011**

Client ID: Run ID: **GC9_111118A** SeqNo: **354592** Prep Date: **11/18/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	0.2871	0.020	0.3333	0	86.1	50-133	0			
Surr: Decachlorobiphenyl	*0.0148*	0	*0.01667*	0	*88.8*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.01507*	0	*0.01667*	0	*90.4*	*34-145*	0			

MS Sample ID: **1111398-07AMS** Units: **mg/Kg** Analysis Date: **11/18/2011**

Client ID: **PC7** Run ID: **GC9_111118A** SeqNo: **354600** Prep Date: **11/18/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.77	0.12	2.004	0.2893	73.9	31-150	0			
Surr: Decachlorobiphenyl	*0.08737*	0	*0.1002*	0	*87.2*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.08697*	0	*0.1002*	0	*86.8*	*34-145*	0			

MSD Sample ID: **1111398-07AMSD** Units: **mg/Kg** Analysis Date: **11/18/2011**

Client ID: **PC7** Run ID: **GC9_111118A** SeqNo: **354601** Prep Date: **11/18/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.703	0.12	2.02	0.2893	70	31-150	1.77	3.81	53	
Surr: Decachlorobiphenyl	*0.08606*	0	*0.101*	0	*85.2*	*22-156*	0.08737	*1.52*		
Surr: Tetrachloro-m-xylene	*0.08929*	0	*0.101*	0	*88.4*	*34-145*	0.08697	*2.63*		

The following samples were analyzed in this batch:

1111398-01A	1111398-02A	1111398-03A
1111398-04A	1111398-05A	1111398-06A
1111398-07A	1111398-08A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
WorkOrder: 1111398

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: SOIL&MATERIALS-CINCINNATI

Date/Time Received: 16-Nov-11 15:44

Work Order: 1111398

Received by: KMK

Checklist completed by: Kelsey Kennedy (eSignature) 16-Nov-11 (Date)

Reviewed by: Steve Wilcox (eSignature) 17-Nov-11 (Date)

Matrices:

Carrier name: Client

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☐	☐	☑
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☑	☐	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	

Temperature(s)/Thermometer(s): 2.0

Cooler(s)/Kit(s):

	Yes	No		
Water - VOA vials have zero headspace?	☐	☐	No VOA vials submitted	☑
Water - pH acceptable upon receipt?	☐	☐	N/A	☑
pH adjusted?	☐	☐	N/A	☑

pH adjusted by: -

Login Notes: VAP

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

ALS

1111398

☑ REGULAR Status ☐ RUSH Status

Page 1 of 1

Cooler Temp: 2.0°C (Lab only)

1 91

Date 11-16-11 Purchase Order No. _____

Company Name SME

Address 1 N Commerce Park Dr Suite 113

City: Cincinnati State: OH Zip: 45215

Person to Contact Keith Egan

Email Address egan@sme-usa.com

Telephone ( ) 513 319 8918

Fax Telephone ( ) _____

Billing Address (if different) SME 43480 Plymouth Oaks Blvd Plymouth, MI

Project No. 063188.15

Sampling Site Stearns

Date/Time of Collection 11-16-11

VAP ☑ Yes ☐ No

Analysis Requested

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	PCB's									No. of Containers
1	PC1	11-16	1000	01	–	S	✓									1
2	PC2	11-16	1005	02	–	S	✓									1
3	PC3	11-16	1010	03	–	S	✓									1
4	PC4	11-16	1015	04	–	S	✓									1
5	PC5	11-16	1020	05	–	S	✓									1
6	PC6	11-16	1025	06	–	S	✓									1
7	PC7	11-16	1030	07	–	S	✓									1
8	PC8	11-16	1035	08	–	S	✓									1
		~~11~~														

Notes:

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	11/16 1544	[signature]	11-16-11 1544
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS | Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

ALS Environmental

30-Jan-2012

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: Stearns PCB; Project No.: 063188.08 Work Order: **1201484**

Dear Keith,

ALS Environmental received 7 samples on 26-Jan-2012 03:52 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 13.

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

Sincerely,

Jim Baxter

Electronically approved by: Chris Gibson

Jim Baxter
Director

ALS Environmental Date: 30-Jan-12

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08
Work Order: **1201484**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1201484-01	PC9	Soil		1/26/2012 14:00	1/26/2012 15:52	☐
1201484-02	PC10	Soil		1/26/2012 14:05	1/26/2012 15:52	☐
1201484-03	PC11	Soil		1/26/2012 14:10	1/26/2012 15:52	☐
1201484-04	PC12	Soil		1/26/2012 14:15	1/26/2012 15:52	☐
1201484-05	PC13	Soil		1/26/2012 14:20	1/26/2012 15:52	☐
1201484-06	PC14	Soil		1/26/2012 14:25	1/26/2012 15:52	☐
1201484-07	PC15	Soil		1/26/2012 14:30	1/26/2012 15:52	☐

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08
Work Order: 1201484

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements.

ALS Environmental

Date: *30-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201484
Sample ID: PC9 **Lab ID:** 1201484-01
Collection Date: 1/26/2012 02:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/27/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1221	ND		0.20	mg/Kg	1	1/27/2012
Aroclor 1232	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1242	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1248	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1254	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1260	**24**		**10**	**mg/Kg**	100	1/27/2012
Surr: Decachlorobiphenyl	*99.8*		*22-156*	*%REC*	1	1/27/2012
Surr: Tetrachloro-m-xylene	*96.6*		*34-145*	*%REC*	1	1/27/2012
MOISTURE			**SM2540B**		Prep Date: **1/30/2012**	Analyst: **CTS**
Moisture	**20**		**0.010**	**% of sample**	1	1/30/2012

Note:

ALS Environmental

Date: *30-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201484
Sample ID: PC10 **Lab ID:** 1201484-02
Collection Date: 1/26/2012 02:05 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/27/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1221	ND		0.20	mg/Kg	1	1/27/2012
Aroclor 1232	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1242	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1248	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1254	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1260	**4.9**		**0.10**	**mg/Kg**	1	1/27/2012
Surr: Decachlorobiphenyl	*98.2*		*22-156*	*%REC*	1	1/27/2012
Surr: Tetrachloro-m-xylene	*93.2*		*34-145*	*%REC*	1	1/27/2012
MOISTURE			**SM2540B**		Prep Date: **1/30/2012**	Analyst: **CTS**
Moisture	**19**		**0.010**	**% of sample**	1	1/30/2012

Note:

ALS Environmental

Date: *30-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201484
Sample ID: PC11 **Lab ID:** 1201484-03
Collection Date: 1/26/2012 02:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/27/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.099	mg/Kg	1	1/27/2012
Aroclor 1221	ND		0.20	mg/Kg	1	1/27/2012
Aroclor 1232	ND		0.099	mg/Kg	1	1/27/2012
Aroclor 1242	ND		0.099	mg/Kg	1	1/27/2012
Aroclor 1248	ND		0.099	mg/Kg	1	1/27/2012
Aroclor 1254	ND		0.099	mg/Kg	1	1/27/2012
Aroclor 1260	**18**		**9.9**	**mg/Kg**	100	1/27/2012
Surr: Decachlorobiphenyl	*99.2*		*22-156*	*%REC*	1	1/27/2012
Surr: Tetrachloro-m-xylene	*105*		*34-145*	*%REC*	1	1/27/2012
MOISTURE			**SM2540B**		Prep Date: **1/30/2012**	Analyst: **CTS**
Moisture	**36**		**0.010**	**% of sample**	1	1/30/2012

Note:

ALS Environmental

Date: *30-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201484
Sample ID: PC12 **Lab ID:** 1201484-04
Collection Date: 1/26/2012 02:15 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/27/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1221	ND		0.20	mg/Kg	1	1/27/2012
Aroclor 1232	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1242	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1248	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1254	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1260	**45**		**10**	**mg/Kg**	100	1/27/2012
Surr: Decachlorobiphenyl	*103*		*22-156*	*%REC*	1	1/27/2012
Surr: Tetrachloro-m-xylene	*105*		*34-145*	*%REC*	1	1/27/2012
MOISTURE			**SM2540B**		Prep Date: **1/30/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/30/2012

Note:

ALS Environmental

Date: *30-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201484
Sample ID: PC13 **Lab ID:** 1201484-05
Collection Date: 1/26/2012 02:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/27/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1221	ND		0.20	mg/Kg	1	1/27/2012
Aroclor 1232	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1242	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1248	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1254	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1260	ND		0.10	mg/Kg	1	1/27/2012
Surr: Decachlorobiphenyl	*101*		*22-156*	*%REC*	1	1/27/2012
Surr: Tetrachloro-m-xylene	*101*		*34-145*	*%REC*	1	1/27/2012
MOISTURE			**SM2540B**		Prep Date: **1/30/2012**	Analyst: **CTS**
Moisture	**24**		**0.010**	**% of sample**	1	1/30/2012

Note:

ALS Environmental

Date: *30-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08
Work Order: 1201484
Sample ID: PC14
Lab ID: 1201484-06
Collection Date: 1/26/2012 02:25 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/27/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1221	ND		0.20	mg/Kg	1	1/27/2012
Aroclor 1232	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1242	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1248	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1254	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1260	**0.52**		**0.10**	**mg/Kg**	1	1/27/2012
Surr: Decachlorobiphenyl	*104*		*22-156*	*%REC*	1	1/27/2012
Surr: Tetrachloro-m-xylene	*101*		*34-145*	*%REC*	1	1/27/2012
MOISTURE			**SM2540B**		Prep Date: **1/30/2012**	Analyst: **CTS**
Moisture	**16**		**0.010**	**% of sample**	1	1/30/2012

Note:

ALS Environmental

Date: *30-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201484
Sample ID: PC15 **Lab ID:** 1201484-07
Collection Date: 1/26/2012 02:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/27/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1221	ND		0.20	mg/Kg	1	1/27/2012
Aroclor 1232	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1242	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1248	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1254	ND		0.10	mg/Kg	1	1/27/2012
Aroclor 1260	**1.4**		**0.10**	**mg/Kg**	1	1/27/2012
Surr: Decachlorobiphenyl	*103*		*22-156*	*%REC*	1	1/27/2012
Surr: Tetrachloro-m-xylene	*96.0*		*34-145*	*%REC*	1	1/27/2012
MOISTURE			**SM2540B**		Prep Date: **1/30/2012**	Analyst: **CTS**
Moisture	**16**		**0.010**	**% of sample**	1	1/30/2012

Note:

ALS Environmental

Date: 30-Jan-12

Client: Soil and Materials Engineers
Work Order: 1201484
Project: Stearns PCB; Project No.: 063188.08

QC BATCH REPORT

Batch ID: **9650** Instrument ID: **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-9650-9650** Units: **mg/Kg** Analysis Date: **1/27/2012**

Client ID: Run ID: **GC9_120127A** SeqNo: **383256** Prep Date: **1/27/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.20								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Surr: Decachlorobiphenyl	*0.1016*	0	*0.1*	0	*102*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.097*	0	*0.1*	0	*97*	*34-145*	0			

LCS Sample ID: **LCS-9650-9650** Units: **mg/Kg** Analysis Date: **1/27/2012**

Client ID: Run ID: **GC9_120127A** SeqNo: **383257** Prep Date: **1/27/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.972	0.10	2	0	98.6	50-133	0			
Surr: Decachlorobiphenyl	*0.106*	0	*0.1*	0	*106*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.1*	0	*0.1*	0	*100*	*34-145*	0			

MS Sample ID: **1201484-05AMS** Units: **mg/Kg** Analysis Date: **1/27/2012**

Client ID: **PC13** Run ID: **GC9_120127A** SeqNo: **383263** Prep Date: **1/27/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.019	0.10	2.008	0.02606	99.2	31-150	0			
Surr: Decachlorobiphenyl	*0.106*	0	*0.1004*	0	*106*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.1008*	0	*0.1004*	0	*100*	*34-145*	0			

MSD Sample ID: **1201484-05AMSD** Units: **mg/Kg** Analysis Date: **1/27/2012**

Client ID: **PC13** Run ID: **GC9_120127A** SeqNo: **383264** Prep Date: **1/27/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.967	0.098	1.969	0.02606	98.6	31-150	2.019	2.61	53	
Surr: Decachlorobiphenyl	*0.1049*	0	*0.09843*	0	*107*	*22-156*	0.106	*1.05*		
Surr: Tetrachloro-m-xylene	*0.09882*	0	*0.09843*	0	*100*	*34-145*	0.1008	*1.99*		

The following samples were analyzed in this batch:

1201484-01A	1201484-02A	1201484-03A
1201484-04A	1201484-05A	1201484-06A
1201484-07A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental Date: 30-Jan-12

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08
WorkOrder: 1201484

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
mg/Kg	

ALS Environmental

Sample Receipt Checklist

Client Name: **SOIL&MATERIALS-CINCINNATI** Date/Time Received: **26-Jan-12 15:52**

Work Order: **1201484** Received by: **SJW**

Checklist completed by: Steve Wilcox (eSignature) 26-Jan-12 (Date) Reviewed by: Kelsey Kennedy (eSignature) 27-Jan-12 (Date)

Matrices:

Carrier name: Client

Shipping container/cooler in good condition?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.5		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

1201484

☐ REGULAR Status ☒ RUSH Status

Page 1 of 1

Cooler Temp: 3.5 (Lab only)

13 13

Date 1/26/12 Purchase Order No. 063188.08

Company Name SME

Address 1 N Commerce Park Dr Ste 113

Cincinnati OH 45215

City State Zip

Person to Contact Keith Egan

Email Address egan@sme-usa.com

Telephone ( ) 513 318 8918

Fax Telephone ( )

Billing Address (if different)
SME
43980 Plymouth Oaks Blvd
Plymouth, MI 48170

Project No. 063188.08

Sampling Site Stearns PCB

Date/Time of Collection 1-26-12 1400

VAP ☒ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCB's									No. of Containers
1	PC 9	1-26-12	1400	01	~	C	/									1
2	PC10	1-26-12	1405	02	~	C	/									1
3	PC11	1-26-12	1410	03	~	C	/									1
4	PC12	1-26-12	1415	04	~	C	/									1
5	PC13	1-26-12	1420	05	~	C	/									1
6	PC14	1-26-12	1425	06	~	C	/									1
7	PC15	1-26-12	1430	07	~	C	/									1
~~8~~																

Notes:

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	1552 1-26-12	[signature]	1/26/12 15:52
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

24-Jan-2012

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: Stearns PCB; Project No.: 063188.08 Work Order: **1201341**

Dear Keith,

ALS Environmental received 7 samples on 20-Jan-2012 10:16 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 14.

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

Sincerely,

Jim Baxter

Electronically approved by: Jim Baxter

Jim Baxter
Director

ALS Environmental Date: 24-Jan-12

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08
Work Order: **1201341**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Dat	Date Received	Hold
1201341-01	PRC 61	Soil		1/19/2012 17:01	1/20/2012 10:16	☐
1201341-02	PRC 62	Soil		1/19/2012	1/20/2012 10:16	☐
1201341-03	PRC 63	Soil		1/19/2012	1/20/2012 10:16	☐
1201341-04	PRC 64	Soil		1/19/2012	1/20/2012 10:16	☐
1201341-05	PRC 65	Soil		1/19/2012	1/20/2012 10:16	☐
1201341-06	PRC 66	Soil		1/19/2012	1/20/2012 10:16	☐
1201341-07	PRC 67	Soil		1/19/2012	1/20/2012 10:16	☐

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08
Work Order: 1201341

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements.

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201341
Sample ID: PRC 61 **Lab ID:** 1201341-01
Collection Date: 1/19/2012 05:01 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/24/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/24/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/24/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/24/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/24/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/24/2012
Aroclor 1260	**0.44**		**0.13**	**mg/Kg-dry**	1	1/24/2012
Surr: Decachlorobiphenyl	*106*		*22-156*	*%REC*	1	1/24/2012
Surr: Tetrachloro-m-xylene	*99.4*		*34-145*	*%REC*	1	1/24/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201341
Sample ID: PRC 62 **Lab ID:** 1201341-02
Collection Date: 1/19/2012 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.10	mg/Kg-dry	1	1/24/2012
Aroclor 1221	ND		0.21	mg/Kg-dry	1	1/24/2012
Aroclor 1232	ND		0.10	mg/Kg-dry	1	1/24/2012
Aroclor 1242	ND		0.10	mg/Kg-dry	1	1/24/2012
Aroclor 1248	ND		0.10	mg/Kg-dry	1	1/24/2012
Aroclor 1254	ND		0.10	mg/Kg-dry	1	1/24/2012
Aroclor 1260	**0.85**		**0.10**	**mg/Kg-dry**	1	1/24/2012
Surr: Decachlorobiphenyl	*107*		*22-156*	*%REC*	1	1/24/2012
Surr: Tetrachloro-m-xylene	*103*		*34-145*	*%REC*	1	1/24/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**3.6**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201341
Sample ID: PRC 63 **Lab ID:** 1201341-03
Collection Date: 1/19/2012 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	1/24/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1260	**6,200**		**120**	**mg/Kg-dry**	1000	1/24/2012
Surr: Decachlorobiphenyl	*0*	S	*22-156*	*%REC*	1	1/24/2012
Surr: Tetrachloro-m-xylene	*109*		*34-145*	*%REC*	1	1/24/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**13**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201341
Sample ID: PRC 64 **Lab ID:** 1201341-04
Collection Date: 1/19/2012 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	1/24/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1260	**5.2**		**0.12**	**mg/Kg-dry**	1	1/24/2012
Surr: Decachlorobiphenyl	*101*		*22-156*	*%REC*	1	1/24/2012
Surr: Tetrachloro-m-xylene	*105*		*34-145*	*%REC*	1	1/24/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**18**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08
Work Order: 1201341
Sample ID: PRC 65
Lab ID: 1201341-05
Collection Date: 1/19/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/24/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/24/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/24/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/24/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/24/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/24/2012
Aroclor 1260	**730**		**65**	**mg/Kg-dry**	500	1/24/2012
Surr: Decachlorobiphenyl	*160*	S	*22-156*	*%REC*	1	1/24/2012
Surr: Tetrachloro-m-xylene	*112*		*34-145*	*%REC*	1	1/24/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**24**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201341
Sample ID: PRC 66 **Lab ID:** 1201341-06
Collection Date: 1/19/2012 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	1/24/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/24/2012
Aroclor 1260	**63**		**12**	**mg/Kg-dry**	100	1/24/2012
Surr: Decachlorobiphenyl	*108*		*22-156*	*%REC*	1	1/24/2012
Surr: Tetrachloro-m-xylene	*114*		*34-145*	*%REC*	1	1/24/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**15**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08
Work Order: 1201341
Sample ID: PRC 67
Lab ID: 1201341-07
Collection Date: 1/19/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.10	mg/Kg-dry	1	1/24/2012
Aroclor 1221	ND		0.21	mg/Kg-dry	1	1/24/2012
Aroclor 1232	ND		0.10	mg/Kg-dry	1	1/24/2012
Aroclor 1242	ND		0.10	mg/Kg-dry	1	1/24/2012
Aroclor 1248	ND		0.10	mg/Kg-dry	1	1/24/2012
Aroclor 1254	ND		0.10	mg/Kg-dry	1	1/24/2012
Aroclor 1260	**2.2**		**0.10**	**mg/Kg-dry**	1	1/24/2012
Surr: Decachlorobiphenyl	*102*		*22-156*	*%REC*	1	1/24/2012
Surr: Tetrachloro-m-xylene	*104*		*34-145*	*%REC*	1	1/24/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**4.5**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08
Work Order: 1201341

Analytical Comments

Method	Type:	SampID	SeqNo	Analysis	Comments
Batch 9585					
SW8082	Analysis	1201341-05A	380369	PCBs	DCBP Surrogate failed high due to high levels of aroclor 1260 in the sample.

ALS Environmental

Date: 24-Jan-12

Client: Soil and Materials Engineers

Work Order: 1201341

Project: Stearns PCB; Project No.: 063188.08

QC BATCH REPORT

Batch ID: **9585** Instrument ID **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-9585-9585** Units: **mg/Kg** Analysis Date: **1/24/2012**

Client ID: Run ID: **GC9_120124C** SeqNo: **380360** Prep Date: **1/23/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.20								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Surr: Decachlorobiphenyl	*0.1296*	0	*0.1*	0	*130*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.1122*	0	*0.1*	0	*112*	*34-145*	0			

LCS Sample ID: **LCS-9585-9585** Units: **mg/Kg** Analysis Date: **1/24/2012**

Client ID: Run ID: **GC9_120124C** SeqNo: **380361** Prep Date: **1/23/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.082	0.10	2	0	104	50-133	0			
Surr: Decachlorobiphenyl	*0.1338*	0	*0.1*	0	*134*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.122*	0	*0.1*	0	*122*	*34-145*	0			

MS Sample ID: **1201296-01BMS** Units: **mg/Kg** Analysis Date: **1/24/2012**

Client ID: Run ID: **GC9_120124C** SeqNo: **380363** Prep Date: **1/23/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.114	0.098	1.969	0.3125	91.5	31-150	0			
Surr: Decachlorobiphenyl	*0.1002*	0	*0.09843*	0	*102*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.102*	0	*0.09843*	0	*104*	*34-145*	0			

MSD Sample ID: **1201296-01BMSD** Units: **mg/Kg** Analysis Date: **1/24/2012**

Client ID: Run ID: **GC9_120124C** SeqNo: **380364** Prep Date: **1/23/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.103	0.099	1.984	0.3125	90.3	31-150	2.114	0.503	53	
Surr: Decachlorobiphenyl	*0.09861*	0	*0.09921*	0	*99.4*	*22-156*	0.1002	*1.6*		
Surr: Tetrachloro-m-xylene	*0.09861*	0	*0.09921*	0	*99.4*	*34-145*	0.102	*3.35*		

The following samples were analyzed in this batch:

1201341-01A	1201341-02A	1201341-03A
1201341-04A	1201341-05A	1201341-06A
1201341-07A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 24-Jan-12

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08
WorkOrder: 1201341

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: SOIL&MATERIALS-CINCINNATI

Date/Time Received: 20-Jan-12 10:16

Work Order: 1201341

Received by: KMK

Checklist completed by: Steve Wilcox (eSignature) 20-Jan-12 (Date)

Reviewed by: Jan Wilcox (eSignature) 20-Jan-12 (Date)

Matrices:

Carrier name: Client

Shipping container/cooler in good condition?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	5.6		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

1201341

☐ REGULAR Status ☑ RUSH Status

Cooler Temp: 5.6°C (Lab only)

13911

Date 1-19-12 Purchase Order No. 063188.08

Company Name SME

Address 1 N Commerce Park Dr Ste 113

Lockland (City) OH (State) 45215 (Zip)

Person to Contact Keith Egan

Email Address egan@sme-usa.com

Telephone ( ) 513-319-8918

Fax Telephone ( )

Billing Address (if different)
SME
43980 Plymouth Oaks Blvd
Plymouth MI 48170

Project No. 063188.08

Sampling Site Stearns PCB

Date/Time of Collection 1-19-12/1600

VAP ☑ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCB's									No. of Containers
61	PRC 61	1-19-12	1701	01	–	G	✓									
62	PRC 62	1-19-12	1702	02	–	G	✓									
63	PRC 63	1-19-12	1703	03	–	G	✓									
64	PRC 64	1-19-12	1704	04	–	G	✓									
65	PRC 65	1-19-12	1705	05	–	G	✓									
66	PRC 66	1-19-12	1706	06	–	G	✓									
67	PRC 67	1-19-12	1707	07	–	G	✓									
		1-19-12			–	G	✓									
		1-19-12			–	G	✓									
		1-19-12			–	G	✓									

Notes: Run 7th

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	1016 1-20-12	[signature]	1016 1-20-12
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS | Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

23-Jan-2012

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: Stearns PCB; Project No.: 063188.08 Work Order: **1201339**

Dear Keith,

ALS Environmental received 20 samples on 20-Jan-2012 10:16 AM for the analyses presented in the following report.

This is a REVISED REPORT. The Case Narrative provides information discussing the reason for issuing a revised report. The total number of pages in this revision is 27.

If you have any questions regarding these test results, please feel free to contact me.

Sincerely,

Jim Baxter

Electronically approved by: Jeff Ogle

Jim Baxter
Director

ALS Environmental

Date: 23-Jan-12

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08
Work Order: **1201339**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Dat	Date Received	Hold
1201339-01	PRC 29	Soil		1/19/2012	1/20/2012 10:16	☐
1201339-02	PRC 30	Soil		1/19/2012 16:30	1/20/2012 10:16	☐
1201339-03	PRC 35	Soil		1/19/2012 16:35	1/20/2012 10:16	☐
1201339-04	PRC 36	Soil		1/19/2012 16:36	1/20/2012 10:16	☐
1201339-05	PRC 41	Soil		1/19/2012 16:41	1/20/2012 10:16	☐
1201339-06	PRC 42	Soil		1/19/2012 16:42	1/20/2012 10:16	☐
1201339-07	PRC 43	Soil		1/19/2012 16:43	1/20/2012 10:16	☐
1201339-08	PRC 49	Soil		1/19/2012 16:49	1/20/2012 10:16	☐
1201339-09	PRC 50	Soil		1/19/2012 16:50	1/20/2012 10:16	☐
1201339-10	PRC 51	Soil		1/19/2012 16:51	1/20/2012 10:16	☐
1201339-11	PRC 1	Soil		1/19/2012 16:31	1/20/2012 10:16	☐
1201339-12	PRC 2	Soil		1/19/2012 16:32	1/20/2012 10:16	☐
1201339-13	PRC 3	Soil		1/19/2012 16:33	1/20/2012 10:16	☐
1201339-14	PRC 4	Soil		1/19/2012 16:34	1/20/2012 10:16	☐
1201339-15	PRC 5	Soil		1/19/2012 16:35	1/20/2012 10:16	☐
1201339-16	PRC 6	Soil		1/19/2012 16:36	1/20/2012 10:16	☐
1201339-17	PRC 7	Soil		1/19/2012 16:37	1/20/2012 10:16	☐
1201339-18	PRC 8	Soil		1/19/2012 16:38	1/20/2012 10:16	☐
1201339-19	PRC 9	Soil		1/19/2012 16:39	1/20/2012 10:16	☐
1201339-20	PRC 10	Soil		1/19/2012 16:40	1/20/2012 10:16	☐

ALS Environmental *Date: 23-Jan-12*

Client:	Soil and Materials Engineers
Project:	Stearns PCB; Project No.: 063188.08
Work Order:	1201339

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements.

I wish to notify you of an amendment to the test report identified above. The amendment applies only to the samples and analysis listed below. The modification is also identified.

Sample number PRC 29, PRC 30, PRC 35, PRC 41, PRC 42, PRC 43, PRC 1, PRC 3, PRC 4, PRC8, PRC 9, and PRC 10 (1201339: 01, 02, 03, 05, 06, 07, 11, 13, 14, 18, 19, and 20) results were change due to the dilution factor was incorrectly applied.

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 29 **Lab ID:** 1201339-01
Collection Date: 1/19/2012 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**18**		**1.3**	**mg/Kg-dry**	10	1/21/2012
Surr: Decachlorobiphenyl	*85.6*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*89.8*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**22**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 30 **Lab ID:** 1201339-02
Collection Date: 1/19/2012 04:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**36**		**1.3**	**mg/Kg-dry**	10	1/21/2012
Surr: Decachlorobiphenyl	*88.8*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*94.4*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**23**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 35 **Lab ID:** 1201339-03
Collection Date: 1/19/2012 04:35 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**980**		**63**	**mg/Kg-dry**	500	1/21/2012
Surr: Decachlorobiphenyl	*160*	S	*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*96.8*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**22**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 36 **Lab ID:** 1201339-04
Collection Date: 1/19/2012 04:36 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**7.0**		**0.13**	**mg/Kg-dry**	1	1/21/2012
Surr: Decachlorobiphenyl	*84.2*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*86.4*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**22**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 41 **Lab ID:** 1201339-05
Collection Date: 1/19/2012 04:41 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**24**		**1.3**	**mg/Kg-dry**	10	1/21/2012
Surr: Decachlorobiphenyl	*84.8*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*90.6*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**22**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 42 **Lab ID:** 1201339-06
Collection Date: 1/19/2012 04:42 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**9.8**		**0.64**	**mg/Kg-dry**	5	1/21/2012
Surr: Decachlorobiphenyl	*84.0*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*86.2*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**22**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 43 **Lab ID:** 1201339-07
Collection Date: 1/19/2012 04:43 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**17**		**1.3**	**mg/Kg-dry**	10	1/21/2012
Surr: Decachlorobiphenyl	*81.1*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*81.3*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**22**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 49 **Lab ID:** 1201339-08
Collection Date: 1/19/2012 04:49 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**0.66**		**0.13**	**mg/Kg-dry**	1	1/21/2012
Surr: Decachlorobiphenyl	*86.4*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*92.0*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 50 **Lab ID:** 1201339-09
Collection Date: 1/19/2012 04:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1260	ND		0.13	mg/Kg-dry	1	1/21/2012
Surr: Decachlorobiphenyl	*82.8*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*86.8*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 51 **Lab ID:** 1201339-10
Collection Date: 1/19/2012 04:51 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.27	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1260	ND		0.14	mg/Kg-dry	1	1/21/2012
Surr: Decachlorobiphenyl	*84.0*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*87.0*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**25**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 1 **Lab ID:** 1201339-11
Collection Date: 1/19/2012 04:31 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**80**		**2.6**	**mg/Kg-dry**	20	1/21/2012
Surr: Decachlorobiphenyl	*92.2*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*99.2*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**23**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 2 **Lab ID:** 1201339-12
Collection Date: 1/19/2012 04:32 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**5.1**		**0.13**	**mg/Kg-dry**	1	1/21/2012
Surr: Decachlorobiphenyl	*90.0*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*90.0*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**24**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 3 **Lab ID:** 1201339-13
Collection Date: 1/19/2012 04:33 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**530**		**63**	**mg/Kg-dry**	500	1/21/2012
Surr: Decachlorobiphenyl	*127*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*98.0*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 4 **Lab ID:** 1201339-14
Collection Date: 1/19/2012 04:34 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.11	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.11	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.11	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.11	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.11	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**79**		**1.1**	**mg/Kg-dry**	10	1/21/2012
Surr: Decachlorobiphenyl	*91.2*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*98.4*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**14**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 5 **Lab ID:** 1201339-15
Collection Date: 1/19/2012 04:35 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.27	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**3.9**		**0.14**	**mg/Kg-dry**	1	1/21/2012
Surr: Decachlorobiphenyl	*87.0*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*89.0*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**27**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 6 **Lab ID:** 1201339-16
Collection Date: 1/19/2012 04:36 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.28	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.14	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**6.8**		**0.14**	**mg/Kg-dry**	1	1/21/2012
Surr: Decachlorobiphenyl	*83.2*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*84.6*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**28**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 7 **Lab ID:** 1201339-17
Collection Date: 1/19/2012 04:37 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**7.1**		**0.13**	**mg/Kg-dry**	1	1/21/2012
Surr: Decachlorobiphenyl	*85.6*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*89.4*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**22**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 8 **Lab ID:** 1201339-18
Collection Date: 1/19/2012 04:38 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**260**		**25**	**mg/Kg-dry**	200	1/21/2012
Surr: Decachlorobiphenyl	*104*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*103*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**19**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 9 **Lab ID:** 1201339-19
Collection Date: 1/19/2012 04:39 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**12**		**0.61**	**mg/Kg-dry**	5	1/21/2012
Surr: Decachlorobiphenyl	*84.2*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*86.6*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**19**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08 **Work Order:** 1201339
Sample ID: PRC 10 **Lab ID:** 1201339-20
Collection Date: 1/19/2012 04:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/21/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/21/2012
Aroclor 1260	**70**		**2.5**	**mg/Kg-dry**	20	1/21/2012
Surr: Decachlorobiphenyl	*89.4*		*22-156*	*%REC*	1	1/21/2012
Surr: Tetrachloro-m-xylene	*94.8*		*34-145*	*%REC*	1	1/21/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**20**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: 23-Jan-12

Client: Soil and Materials Engineers
Work Order: 1201339
Project: Stearns PCB; Project No.: 063188.08

QC BATCH REPORT

Batch ID: **9558** Instrument ID **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-9558-9558** Units: **mg/Kg** Analysis Date: **1/21/2012**

Client ID: Run ID: **GC9_120121A** SeqNo: **379693** Prep Date: **1/20/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.20								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Surr: Decachlorobiphenyl	*0.082*	0	*0.1*	0	*82*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0828*	0	*0.1*	0	*82.8*	*34-145*	0			

LCS Sample ID: **LCS-9558-9558** Units: **mg/Kg** Analysis Date: **1/21/2012**

Client ID: Run ID: **GC9_120121A** SeqNo: **379694** Prep Date: **1/20/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.593	0.10	2	0	79.6	50-133	0			
Surr: Decachlorobiphenyl	*0.0856*	0	*0.1*	0	*85.6*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.088*	0	*0.1*	0	*88*	*34-145*	0			

MS Sample ID: **1201339-09A MS** Units: **mg/Kg** Analysis Date: **1/21/2012**

Client ID: **PRC 50** Run ID: **GC9_120121A** SeqNo: **379704** Prep Date: **1/20/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.619	0.099	1.98	0	81.8	31-150	0			
Surr: Decachlorobiphenyl	*0.08455*	0	*0.09901*	0	*85.4*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.08257*	0	*0.09901*	0	*83.4*	*34-145*	0			

MSD Sample ID: **1201339-09A MSD** Units: **mg/Kg** Analysis Date: **1/21/2012**

Client ID: **PRC 50** Run ID: **GC9_120121A** SeqNo: **379705** Prep Date: **1/20/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.677	0.10	2.016	0	83.2	31-150	1.619	3.53	53	
Surr: Decachlorobiphenyl	*0.08831*	0	*0.1008*	0	*87.6*	*22-156*	0.08455	*4.34*		
Surr: Tetrachloro-m-xylene	*0.09456*	0	*0.1008*	0	*93.8*	*34-145*	0.08257	*13.5*		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Soil and Materials Engineers
Work Order: 1201339
Project: Stearns PCB; Project No.: 063188.08

QC BATCH REPORT

Batch ID: **9558** Instrument ID **GC9** Method: **SW8082**

The following samples were analyzed in this batch:

1201339-01A	1201339-02A	1201339-03A
1201339-04A	1201339-05A	1201339-06A
1201339-07A	1201339-08A	1201339-09A
1201339-10A	1201339-11A	1201339-12A
1201339-13A	1201339-14A	1201339-15A
1201339-16A	1201339-17A	1201339-18A
1201339-19A	1201339-20A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 23-Jan-12

Client: Soil and Materials Engineers
Project: Stearns PCB; Project No.: 063188.08
WorkOrder: **1201339**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
mg/Kg	

ALS Environmental

Sample Receipt Checklist

Client Name: SOIL&MATERIALS-CINCINNATI

Date/Time Received: 20-Jan-12 10:16

Work Order: 1201339

Received by: KMK

Checklist completed by: Steve Wilcox (eSignature) 20-Jan-12 (Date)

Reviewed by: Jan Wilcox (eSignature) 20-Jan-12 (Date)

Matrices:

Carrier name: Client

Shipping container/cooler in good condition?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	5.6		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

1201339

☐ REGULAR Status ☑ RUSH Status

Page 3 of 1

Cooler Temp: 5.6°C (Lab only)

13907

Date 1-19-12 Purchase Order No. 063188.08

Company Name SME

Address 1N Commerce Park Dr Ste 113

Lochland (City) OH (State) 45215 (Zip)

Person to Contact Keith Egan

Email Address egan@sme-usa.com

Telephone ( )

Fax Telephone ( )

Billing Address (if different) SME

43980 Plymouth Oaks Blvd

Plymouth MI 48170

Project No. 063188.08

Sampling Site Stearns PCB

Date/Time of Collection 1-19-12/1600

VAP ☑ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCBs									No. of Containers
21	PRC 29	1-19-12	1629	01	✓	G	✓									
22	PRC 30	1-19-12	1630	02	✓	G	✓									
23	PRC 35	1-19-12	1635	03	✓	G	✓									
24	PRC 36	1-19-12	1636	04	✓	G	✓									
25	PRC 41	1-19-12	1641	05	✓	G	✓									
26	PRC 42	1-19-12	1642	06	✓	G	✓									
27	PRC 43	1-19-12	1643	07	✓	G	✓									
28	PRC 49	1-19-12	1649	08	✓	G	✓									
29	PRC 50	1-19-12	1650	09	✓	G	✓									
30	PRC 51	1-19-12	1651	10	✓	G	✓									

Notes: Run 3rd

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (*Signature*)	Time / Date	Received by: (*Signature*)	Time / Date
		[signature]	1016 1-20-12
Relinquished by: (*Signature*)	Time / Date	Received by: (*Signature*)	Time / Date
Relinquished by: (*Signature*)	Time / Date	Received by: (*Signature*)	Time / Date

Ship to: ALS Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

Field Chain-of-Custody Record

1201339

☐ REGULAR Status ☑ RUSH Status

Page 4 of 7

Cooler Temp: 5.6°C (Lab only)

13 8

Date 1-19-12 Purchase Order No. 063188.08

Company Name SME

Address 1N Commerce Park Dr Ste 113

Lockland (City) OH (State) 45215 (Zip)

Person to Contact Reid Egan

Email Address egan@sme-usa.com

Telephone ( ) 513-319-8918

Fax Telephone ( )

Billing Address (if different) SME 43980 Plymouth Oaks Blvd Plymouth, MI 48170

Project No. 063188.08

Sampling Site Stearns PCB

Date/Time of Collection 1-19-12/1600

VAP ☑ Yes ☐ No

Analysis Requested: PCB's

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	PCB's	No. of Containers
31	PRC 1	1-19-12	1631	11	✓	G	✓	
32	PRC 2	1-19-12	1632	12	✓	G	✓	
33	PRC 3	1-19-12	1633	13	✓	G	✓	
34	PRC 4	1-19-12	1634	14	✓	G	✓	
35	PRC 5	1-19-12	1635	15	✓	G	✓	
36	PRC 6	1-19-12	1636	16	✓	G	✓	
37	PRC 7	1-19-12	1637	17	✓	G	✓	
38	PRC 8	1-19-12	1638	18	✓	G	✓	
39	PRC 9	1-19-12	1639	19	✓	G	✓	
40	PRC 10	1-19-12	1640	20	✓	G	✓	

Notes: Run 4th

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	1-20-12 10:16	[signature]	10:14 1-20-12
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS | Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

23-Jan-2012

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: Stearns & Foster; Project No.: 063188.08 Work Order: **1201338**

Dear Keith,

ALS Environmental received 20 samples on 20-Jan-2012 10:16 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 28.

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

Sincerely,

Jim Baxter

Electronically approved by: Jim Baxter

Jim Baxter
Director

ALS Environmental

Date: 23-Jan-12

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08
Work Order: **1201338**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Dat	Date Received	Hold
1201338-01	PRC 26	Soil		1/19/2012 16:26	1/20/2012 10:16	☐
1201338-02	PRC 27	Soil		1/19/2012 16:27	1/20/2012 10:16	☐
1201338-03	PRC 28	Soil		1/19/2012 16:28	1/20/2012 10:16	☐
1201338-04	PRC 32	Soil		1/19/2012 16:32	1/20/2012 10:16	☐
1201338-05	PRC 33	Soil		1/19/2012 16:33	1/20/2012 10:16	☐
1201338-06	PRC 34	Soil		1/19/2012 16:34	1/20/2012 10:16	☐
1201338-07	PRC 38	Soil		1/19/2012 16:38	1/20/2012 10:16	☐
1201338-08	PRC 39	Soil		1/19/2012 16:39	1/20/2012 10:16	☐
1201338-09	PRC 40	Soil		1/19/2012 16:40	1/20/2012 10:16	☐
1201338-10	PRC 44	Soil		1/19/2012 16:44	1/20/2012 10:16	☐
1201338-11	PRC 45	Soil		1/19/2012 16:45	1/20/2012 10:16	☐
1201338-12	PRC 46	Soil		1/19/2012 16:46	1/20/2012 10:16	☐
1201338-13	PRC 47	Soil		1/19/2012 16:47	1/20/2012 10:16	☐
1201338-14	PRC 48	Soil		1/19/2012 16:48	1/20/2012 10:16	☐
1201338-15	PRC 20	Soil		1/19/2012 16:20	1/20/2012 10:16	☐
1201338-16	PRC 21	Soil		1/19/2012 16:21	1/20/2012 10:16	☐
1201338-17	PRC 22	Soil		1/19/2012 16:22	1/20/2012 10:16	☐
1201338-18	PRC 25	Soil		1/19/2012 16:25	1/20/2012 10:16	☐
1201338-19	PRC 31	Soil		1/19/2012 16:31	1/20/2012 10:16	☐
1201338-20	PRC 37	Soil		1/19/2012 16:37	1/20/2012 10:16	☐

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08
Work Order: 1201338

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements.

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08
Work Order: 1201338
Sample ID: PRC 26
Lab ID: 1201338-01
Collection Date: 1/19/2012 04:26 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**0.42**		**0.13**	**mg/Kg-dry**	1	1/20/2012
Surr: Decachlorobiphenyl	*83.6*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*93.6*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**22**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 27 **Lab ID:** 1201338-02
Collection Date: 1/19/2012 04:27 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**8.3**		**0.13**	**mg/Kg-dry**	1	1/20/2012
Surr: Decachlorobiphenyl	*85.2*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*89.4*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 28 **Lab ID:** 1201338-03
Collection Date: 1/19/2012 04:28 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**1,700**		**26**	**mg/Kg-dry**	200	1/20/2012
Surr: Decachlorobiphenyl	*209*	S	*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*101*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**22**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 32 **Lab ID:** 1201338-04
Collection Date: 1/19/2012 04:32 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**3.3**		**0.12**	**mg/Kg-dry**	1	1/20/2012
Surr: Decachlorobiphenyl	*84.2*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*93.8*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**19**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08
Work Order: 1201338
Sample ID: PRC 33
Lab ID: 1201338-05
Collection Date: 1/19/2012 04:33 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**1.9**		**0.12**	**mg/Kg-dry**	1	1/20/2012
Surr: Decachlorobiphenyl	*92.2*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*88.8*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**17**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 34 **Lab ID:** 1201338-06
Collection Date: 1/19/2012 04:34 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**890**		**24**	**mg/Kg-dry**	200	1/20/2012
Surr: Decachlorobiphenyl	*152*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*90.4*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**16**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 38 **Lab ID:** 1201338-07
Collection Date: 1/19/2012 04:38 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**0.37**		**0.13**	**mg/Kg-dry**	1	1/20/2012
Surr: Decachlorobiphenyl	*87.2*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*91.0*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**22**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08
Work Order: 1201338
Sample ID: PRC 39
Lab ID: 1201338-08
Collection Date: 1/19/2012 04:39 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**26**		**1.2**	**mg/Kg-dry**	10	1/20/2012
Surr: Decachlorobiphenyl	*84.4*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*87.6*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**16**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 40 **Lab ID:** 1201338-09
Collection Date: 1/19/2012 04:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**300**		**23**	**mg/Kg-dry**	200	1/20/2012
Surr: Decachlorobiphenyl	*107*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*92.6*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**14**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 44 **Lab ID:** 1201338-10
Collection Date: 1/19/2012 04:44 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**320**		**25**	**mg/Kg-dry**	200	1/20/2012
Surr: Decachlorobiphenyl	*107*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*92.8*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**20**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08
Work Order: 1201338
Sample ID: PRC 45
Lab ID: 1201338-11
Collection Date: 1/19/2012 04:45 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**6.8**		**0.13**	**mg/Kg-dry**	1	1/20/2012
Surr: Decachlorobiphenyl	*87.2*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*91.4*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**20**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 46 **Lab ID:** 1201338-12
Collection Date: 1/19/2012 04:46 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**16**		**1.3**	**mg/Kg-dry**	10	1/20/2012
Surr: Decachlorobiphenyl	*85.0*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*89.0*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**23**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 47 **Lab ID:** 1201338-13
Collection Date: 1/19/2012 04:47 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**1.1**		**0.12**	**mg/Kg-dry**	1	1/20/2012
Surr: Decachlorobiphenyl	*84.4*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*91.6*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**19**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 48 **Lab ID:** 1201338-14
Collection Date: 1/19/2012 04:48 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**19**		**1.3**	**mg/Kg-dry**	10	1/20/2012
Surr: Decachlorobiphenyl	*83.4*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*88.0*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 20 **Lab ID:** 1201338-15
Collection Date: 1/19/2012 04:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1260	ND		0.13	mg/Kg-dry	1	1/20/2012
Surr: Decachlorobiphenyl	*84.0*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*82.0*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**23**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 21 **Lab ID:** 1201338-16
Collection Date: 1/19/2012 04:21 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**220**		**12**	**mg/Kg-dry**	100	1/20/2012
Surr: Decachlorobiphenyl	*100*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*97.6*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**20**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 22 **Lab ID:** 1201338-17
Collection Date: 1/19/2012 04:22 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**9.0**		**0.63**	**mg/Kg-dry**	5	1/20/2012
Surr: Decachlorobiphenyl	*86.8*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*87.0*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**20**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 25 **Lab ID:** 1201338-18
Collection Date: 1/19/2012 04:25 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**19**		**1.3**	**mg/Kg-dry**	10	1/20/2012
Surr: Decachlorobiphenyl	*88.2*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*94.6*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 31 **Lab ID:** 1201338-19
Collection Date: 1/19/2012 04:31 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**0.17**		**0.13**	**mg/Kg-dry**	1	1/20/2012
Surr: Decachlorobiphenyl	*83.4*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*86.2*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08 **Work Order:** 1201338
Sample ID: PRC 37 **Lab ID:** 1201338-20
Collection Date: 1/19/2012 04:37 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/20/2012**	Analyst: **JRB**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/20/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/20/2012
Aroclor 1260	**1.1**		**0.13**	**mg/Kg-dry**	1	1/20/2012
Surr: Decachlorobiphenyl	*85.8*		*22-156*	*%REC*	1	1/20/2012
Surr: Tetrachloro-m-xylene	*96.0*		*34-145*	*%REC*	1	1/20/2012
MOISTURE			**SM2540B**		Prep Date: **1/20/2012**	Analyst: **CTS**
Moisture	**20**		**0.010**	**% of sample**	1	1/23/2012

Note:

ALS Environmental

Date: *23-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08
Work Order: 1201338

Analytical Comments

Method	Type:	SampID	SeqNo	Analysis	Comments
Batch 9548					
SW8082	Analysis	1201338-03A	379363	PCBs	DCBP surrogate fails high due to high levels of aroclor 1260 in the sample.

ALS Environmental

Date: 23-Jan-12

Client: Soil and Materials Engineers
Work Order: 1201338
Project: Stearns & Foster; Project No.: 063188.08

QC BATCH REPORT

Batch ID: **9548** Instrument ID **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-9548-9548** Units: **mg/Kg** Analysis Date: **1/20/2012**

Client ID: Run ID: **GC9_120120B** SeqNo: **379357** Prep Date: **1/20/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.20								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Surr: Decachlorobiphenyl	*0.088*	0	*0.1*	0	*88*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.093*	0	*0.1*	0	*93*	*34-145*	0			

LCS Sample ID: **LCS-9548-9548** Units: **mg/Kg** Analysis Date: **1/20/2012**

Client ID: Run ID: **GC9_120120B** SeqNo: **379358** Prep Date: **1/20/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.607	0.10	2	0	80.4	50-133	0			
Surr: Decachlorobiphenyl	*0.0884*	0	*0.1*	0	*88.4*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0908*	0	*0.1*	0	*90.8*	*34-145*	0			

MS Sample ID: **1201338-01A MS** Units: **mg/Kg** Analysis Date: **1/20/2012**

Client ID: **PRC 26** Run ID: **GC9_120120B** SeqNo: **379360** Prep Date: **1/20/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.079	0.10	1.996	0.3293	87.7	31-150	0			
Surr: Decachlorobiphenyl	*0.08343*	0	*0.0998*	0	*83.6*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.08623*	0	*0.0998*	0	*86.4*	*34-145*	0			

MSD Sample ID: **1201338-01A MSD** Units: **mg/Kg** Analysis Date: **1/20/2012**

Client ID: **PRC 26** Run ID: **GC9_120120B** SeqNo: **379361** Prep Date: **1/20/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.062	0.099	1.988	0.3293	87.2	31-150	2.079	0.841	53	
Surr: Decachlorobiphenyl	*0.08588*	0	*0.0994*	0	*86.4*	*22-156*	0.08343	*2.9*		
Surr: Tetrachloro-m-xylene	*0.09085*	0	*0.0994*	0	*91.4*	*34-145*	0.08623	*5.23*		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Soil and Materials Engineers
Work Order: 1201338
Project: Stearns & Foster; Project No.: 063188.08

QC BATCH REPORT

Batch ID: **9548** Instrument ID **GC9** Method: **SW8082**

The following samples were analyzed in this batch:

1201338-01A	1201338-02A	1201338-03A
1201338-04A	1201338-05A	1201338-06A
1201338-07A	1201338-08A	1201338-09A
1201338-10A	1201338-11A	1201338-12A
1201338-13A	1201338-14A	1201338-15A
1201338-16A	1201338-17A	1201338-18A
1201338-19A	1201338-20A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 23-Jan-12

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08
WorkOrder: 1201338

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: SOIL&MATERIALS-CINCINNATI

Date/Time Received: 20-Jan-12 10:16

Work Order: 1201338

Received by: KMK

Checklist completed by: Kelsey Kennedy (eSignature) 20-Jan-12 (Date)

Reviewed by: Jan Wilcox (eSignature) 20-Jan-12 (Date)

Matrices:

Carrier name: Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	5.6		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes: VAP

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

ALS

1201338

☐ REGULAR Status ☑ RUSH Status

Page 1 of 7

Cooler Temp: 5.6°C (Lab only)

13905

Date 1-19-12 Purchase Order No. 063188.08

Company Name SME

Address 1N Commerce park Dr Ste113

Lockland (City) OH (State) 45215 (Zip)

Person to Contact Keith Egan

Email Address egan@sme-usa.com

Telephone ( ) 513-319-8918

Fax Telephone ( )

Billing Address (if different) SME

4 3980 Plymouth Oaks Blvd

Plymouth MI 48170

Project No. 063188.08

Sampling Site Stearns PCB

Date/Time of Collection 1-19-12/1600

VAP ☑ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	PCB's									No. of Containers
1	PRC 26	1-19-12	1626	01	—	G	✓									
2	PRC 27	1-19-12	1627	02	—	G	✓									
3	PRC 28	1-19-12	1628	03	—	G	✓									
4	PRC 32	1-19-12	1632	04	—	G	✓									
5	PRC 33	1-19-12	1633	05	—	G	✓									
6	PRC 34	1-19-12	1634	06	—	G	✓									
7	PRC 38	1-19-12	1638	07	—	G	✓									
8	PRC 39	1-19-12	1639	08	—	G	✓									
9	PRC 40	1-19-12	1640	09	—	G	✓									
10	PRC 44	1-19-12	1644	10	—	G	✓									

Notes: Run this page 1st

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	1-20-12 1016	[signature]	1016 1-20-12
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

Field Chain-of-Custody Record

ALS 1201338

☐ REGULAR Status ☑ RUSH Status

Cooler Temp: 5.6°C (Lab only)

13 06

Date 1-19-12 Purchase Order No. 063188.08

Company Name SME

Address 1 Nconmerce Park Dr Ste 113

Lockland (City) OH (State) 45215 (Zip)

Person to Contact Keith Egan

Email Address egan@sme-usa.com

Telephone ( ) 513-319-8918

Fax Telephone ( )

Billing Address (if different) SME 43980 Plymouth Oaks Blvd Plymouth, MI 48170

Project No. 063188.08

Sampling Site Stearns PCB

Date/Time of Collection 1-19-12/1600

VAP ☑ Yes ☐ No

Analysis Requested: PCB's

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	PCB's									No. of Containers
11	PRC 45	1-19-12	1645	-11	—	G	✓									
12	PRC 46	1-19-12	1646	-12	—	G	✓									
13	PRC 47	1-19-12	1647	-13	—	G	✓									
14	PRC 48	1-19-12	1648	-14	—	G	✓									
15	PRC 20	1-19-12	1620	-15	—	G	✓									
16	PRC 21	1-19-12	1621	-16	—	G	✓									
17	PRC 22	1-19-12	1622	-17	—	G	✓									
18	PRC 25	1-19-12	1625	-18	—	G	✓									
19	PRC 31	1-19-12	1631	-19	—	G	✓									
20	PRC 37	1-19-12	1637	-20	—	G	✓									

Notes: Run 2nd

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	1-20-12 1016	[signature]	1016 1-20-12
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS | Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

24-Jan-2012

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: Stearns & Foster; Project No.: 063188.08 Work Order: **1201340**

Dear Keith,

ALS Environmental received 20 samples on 20-Jan-2012 10:16 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 17.

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

Sincerely,

Jim Baxter

Electronically approved by: Chris Gibson

Jim Baxter
Director

ALS Environmental Date: 24-Jan-12

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08
Work Order: **1201340**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1201340-01	PRC 11	Soil		1/19/2012 16:11	1/20/2012 10:16	☐
1201340-02	PRC 12	Soil		1/19/2012 16:12	1/20/2012 10:16	☐
1201340-03	PRC 13	Soil		1/19/2012 16:13	1/20/2012 10:16	☐
1201340-04	PRC 14	Soil		1/19/2012 16:14	1/20/2012 10:16	☐
1201340-05	PRC 15	Soil		1/19/2012 16:15	1/20/2012 10:16	☐
1201340-06	PRC 16	Soil		1/19/2012 16:16	1/20/2012 10:16	☐
1201340-07	PRC 17	Soil		1/19/2012 16:17	1/20/2012 10:16	☐
1201340-08	PRC 18	Soil		1/19/2012 16:18	1/20/2012 10:16	☐
1201340-09	PRC 19	Soil		1/19/2012 16:19	1/20/2012 10:16	☐
1201340-10	PRC 23	Soil		1/19/2012 16:23	1/20/2012 10:16	☐
1201340-11	PRC 24	Soil		1/19/2012 16:24	1/20/2012 10:16	☐
1201340-12	PRC 52	Soil		1/19/2012 16:52	1/20/2012 10:16	☐
1201340-13	PRC 53	Soil		1/19/2012 16:53	1/20/2012 10:16	☐
1201340-14	PRC 54	Soil		1/19/2012 16:54	1/20/2012 10:16	☐
1201340-15	PRC 55	Soil		1/19/2012 16:55	1/20/2012 10:16	☐
1201340-16	PRC 56	Soil		1/19/2012 16:56	1/20/2012 10:16	☐
1201340-17	PRC 57	Soil		1/19/2012 16:57	1/20/2012 10:16	☐
1201340-18	PRC 58	Soil		1/19/2012 16:58	1/20/2012 10:16	☐
1201340-19	PRC 59	Soil		1/19/2012 16:59	1/20/2012 10:16	☐
1201340-20	PRC 60	Soil		1/19/2012 17:00	1/20/2012 10:16	☐

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08
Work Order: 1201340

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements.

The sample condition upon receipt was acceptable except where noted.

Results relate only to the items tested and are not blank corrected unless indicated.

Compound identification is based upon retention time matching only. Any compound with a similar retention time will interfere.

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08

Work Order: 1201340

Lab ID: 1201340-01A
Client Sample ID: PRC 11

Collection Date: 1/19/2012 4:11:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.28	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.14	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.14	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.14	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.14	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**4.4**		**0.14**	**mg/Kg-dry**	1	1/23/2012
Surr: Decachlorobiphenyl	*109*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*97.0*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**27**		**0.010**	**% of sample**	1	1/24/2012

Lab ID: 1201340-02A
Client Sample ID: PRC 12

Collection Date: 1/19/2012 4:12:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.27	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**2.4**		**0.13**	**mg/Kg-dry**	1	1/23/2012
Surr: Decachlorobiphenyl	*109*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*98.4*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**25**		**0.010**	**% of sample**	1	1/24/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08

Work Order: 1201340

Lab ID: 1201340-03A
Client Sample ID: PRC 13

Collection Date: 1/19/2012 4:13:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**5.7**		**0.13**	**mg/Kg-dry**	1	1/23/2012
Surr: Decachlorobiphenyl	*109*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*101*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**23**		**0.010**	**% of sample**	1	1/24/2012

Lab ID: 1201340-04A
Client Sample ID: PRC 14

Collection Date: 1/19/2012 4:14:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**98**		**6.6**	**mg/Kg-dry**	50	1/23/2012
Surr: Decachlorobiphenyl	*114*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*104*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**23**		**0.010**	**% of sample**	1	1/24/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08

Work Order: 1201340

Lab ID: 1201340-05A
Client Sample ID: PRC 15

Collection Date: 1/19/2012 4:15:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**120**		**6.3**	**mg/Kg-dry**	50	1/23/2012
Surr: Decachlorobiphenyl	*115*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*103*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/24/2012

Lab ID: 1201340-06A
Client Sample ID: PRC 16

Collection Date: 1/19/2012 4:16:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**170**		**25**	**mg/Kg-dry**	200	1/23/2012
Surr: Decachlorobiphenyl	*122*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*106*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**19**		**0.010**	**% of sample**	1	1/24/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08

Work Order: 1201340

Lab ID: 1201340-07A
Client Sample ID: PRC 17

Collection Date: 1/19/2012 4:17:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**8.3**		**0.13**	**mg/Kg-dry**	1	1/23/2012
Surr: Decachlorobiphenyl	*110*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*100*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**22**		**0.010**	**% of sample**	1	1/24/2012

Lab ID: 1201340-08A
Client Sample ID: PRC 18

Collection Date: 1/19/2012 4:18:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**2.3**		**0.13**	**mg/Kg-dry**	1	1/23/2012
Surr: Decachlorobiphenyl	*112*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*100*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**22**		**0.010**	**% of sample**	1	1/24/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08

Work Order: 1201340

Lab ID: 1201340-09A
Client Sample ID: PRC 19

Collection Date: 1/19/2012 4:19:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.28	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.14	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.14	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.14	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.14	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**3.5**		**0.14**	**mg/Kg-dry**	1	1/23/2012
Surr: Decachlorobiphenyl	*109*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*96.0*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**27**		**0.010**	**% of sample**	1	1/24/2012

Lab ID: 1201340-10A
Client Sample ID: PRC 23

Collection Date: 1/19/2012 4:23:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**87**		**13**	**mg/Kg-dry**	100	1/23/2012
Surr: Decachlorobiphenyl	*114*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*102*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/24/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08

Work Order: 1201340

Lab ID: 1201340-11A
Client Sample ID: PRC 24

Collection Date: 1/19/2012 4:24:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**0.22**		**0.13**	**mg/Kg-dry**	1	1/23/2012
Surr: Decachlorobiphenyl	*114*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*103*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/24/2012

Lab ID: 1201340-12A
Client Sample ID: PRC 52

Collection Date: 1/19/2012 4:52:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**0.60**		**0.13**	**mg/Kg-dry**	1	1/23/2012
Surr: Decachlorobiphenyl	*111*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*99.4*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/24/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08

Work Order: 1201340

Lab ID: 1201340-13A
Client Sample ID: PRC 53

Collection Date: 1/19/2012 4:53:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	1/23/2012
Surr: Decachlorobiphenyl	*109*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*98.8*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**20**		**0.010**	**% of sample**	1	1/24/2012

Lab ID: 1201340-14A
Client Sample ID: PRC 54

Collection Date: 1/19/2012 4:54:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	1/23/2012
Surr: Decachlorobiphenyl	*107*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*94.0*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**20**		**0.010**	**% of sample**	1	1/24/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08

Work Order: 1201340

Lab ID: 1201340-15A
Client Sample ID: PRC 55

Collection Date: 1/19/2012 4:55:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**38**		**2.5**	**mg/Kg-dry**	20	1/23/2012
Surr: Decachlorobiphenyl	*119*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*107*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**21**		**0.010**	**% of sample**	1	1/24/2012

Lab ID: 1201340-16A
Client Sample ID: PRC 56

Collection Date: 1/19/2012 4:56:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**9.1**		**0.13**	**mg/Kg-dry**	1	1/23/2012
Surr: Decachlorobiphenyl	*117*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*105*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**20**		**0.010**	**% of sample**	1	1/24/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08

Work Order: 1201340

Lab ID: 1201340-17A
Client Sample ID: PRC 57

Collection Date: 1/19/2012 4:57:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**460**		**25**	**mg/Kg-dry**	200	1/23/2012
Surr: Decachlorobiphenyl	*153*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*120*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**20**		**0.010**	**% of sample**	1	1/24/2012

Lab ID: 1201340-18A
Client Sample ID: PRC 58

Collection Date: 1/19/2012 4:58:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**67**		**25**	**mg/Kg-dry**	200	1/23/2012
Surr: Decachlorobiphenyl	*119*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*107*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**20**		**0.010**	**% of sample**	1	1/24/2012

Note:

ALS Environmental

Date: *24-Jan-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08

Work Order: 1201340

Lab ID: 1201340-19A
Client Sample ID: PRC 59

Collection Date: 1/19/2012 4:59:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**4.4**		**0.12**	**mg/Kg-dry**	1	1/23/2012
Surr: Decachlorobiphenyl	*113*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*102*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**19**		**0.010**	**% of sample**	1	1/24/2012

Lab ID: 1201340-20A
Client Sample ID: PRC 60

Collection Date: 1/19/2012 5:00:00 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **1/23/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.11	mg/Kg-dry	1	1/23/2012
Aroclor 1221	ND		0.21	mg/Kg-dry	1	1/23/2012
Aroclor 1232	ND		0.11	mg/Kg-dry	1	1/23/2012
Aroclor 1242	ND		0.11	mg/Kg-dry	1	1/23/2012
Aroclor 1248	ND		0.11	mg/Kg-dry	1	1/23/2012
Aroclor 1254	ND		0.11	mg/Kg-dry	1	1/23/2012
Aroclor 1260	**2.1**		**0.11**	**mg/Kg-dry**	1	1/23/2012
Surr: Decachlorobiphenyl	*118*		*22-156*	*%REC*	1	1/23/2012
Surr: Tetrachloro-m-xylene	*105*		*34-145*	*%REC*	1	1/23/2012
MOISTURE			**SM2540B**		Prep Date: **1/23/2012**	Analyst: **CTS**
Moisture	**6.3**		**0.010**	**% of sample**	1	1/24/2012

Note:

ALS Environmental

Date: 24-Jan-12

Client: Soil and Materials Engineers

'ork Order: 1201340

rroject: Stearns & Foster; Project No.: 063188.08

QC BATCH REPORT

Batch ID: **9574** Instrument ID: **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-9574-9574** Units: **mg/Kg** Analysis Date: **1/23/2012**

Client ID: Run ID: **GC9_120123B** SeqNo: **380283** Prep Date: **1/23/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.20								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Surr: Decachlorobiphenyl	*0.1066*	0	*0.1*	0	*107*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0924*	0	*0.1*	0	*92.4*	*34-145*	0			

LCS Sample ID: **LCS-9574-9574** Units: **mg/Kg** Analysis Date: **1/23/2012**

Client ID: Run ID: **GC9_120123B** SeqNo: **380284** Prep Date: **1/23/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.114	0.10	2	0	106	50-133	0			
Surr: Decachlorobiphenyl	*0.1094*	0	*0.1*	0	*109*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0974*	0	*0.1*	0	*97.4*	*34-145*	0			

MS Sample ID: **1201340-11A MS** Units: **mg/Kg** Analysis Date: **1/23/2012**

Client ID: **PRC 24** Run ID: **GC9_120123B** SeqNo: **380296** Prep Date: **1/23/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.227	0.10	2.024	0.176	101	31-150	0			
Surr: Decachlorobiphenyl	*0.119*	0	*0.1012*	0	*118*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.1063*	0	*0.1012*	0	*105*	*34-145*	0			

MSD Sample ID: **1201340-11A MSD** Units: **mg/Kg** Analysis Date: **1/23/2012**

Client ID: **PRC 24** Run ID: **GC9_120123B** SeqNo: **380297** Prep Date: **1/23/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.437	0.10	2.033	0.176	111	31-150	2.227	9.01	53	
Surr: Decachlorobiphenyl	*0.1201*	0	*0.1016*	0	*118*	*22-156*	0.119	*0.915*		
Surr: Tetrachloro-m-xylene	*0.1089*	0	*0.1016*	0	*107*	*34-145*	0.1063	*2.48*		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Soil and Materials Engineers
Work Order: 1201340
Project: Stearns & Foster; Project No.: 063188.08

QC BATCH REPORT

Batch ID: **9574** Instrument ID: **GC9** Method: **SW8082**

The following samples were analyzed in this batch:

1201340-01A	1201340-02A	1201340-03A
1201340-04A	1201340-05A	1201340-06A
1201340-07A	1201340-08A	1201340-09A
1201340-10A	1201340-11A	1201340-12A
1201340-13A	1201340-14A	1201340-15A
1201340-16A	1201340-17A	1201340-18A
1201340-19A	1201340-20A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 24-Jan-12

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.08
WorkOrder: 1201340

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: **SOIL&MATERIALS-CINCINNATI** Date/Time Received: **20-Jan-12 10:16**

Work Order: **1201340** Received by: **KMK**

Checklist completed by: Kelsey Kennedy (eSignature) 20-Jan-12 (Date) Reviewed by: Jan Wilcox (eSignature) 20-Jan-12 (Date)

Matrices:

Carrier name: Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	5.6		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes: VAP

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

ALS

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1201340

☐ REGULAR Status ☑ RUSH Status

Page 2 of 7

Cooler Temp: 5.6°C (Lab only)

13 09

Date 1-19-12 Purchase Order No. 053188.08

Company Name SME

Address 1 N Commerce Pk Dr Ste 113

Lockland (City) OH (State) 45215 (Zip)

Person to Contact Keith Egan

Email Address egan@sme-usa.com

Telephone ( ) 513-319-8918

Fax Telephone ( )

Billing Address (if different) SME 43980 Plymouth Oaks Blvd Plymouth, MI 48170

Project No. 053188.08

Sampling Site Stearns PCB

Date/Time of Collection 1-19-12 / 1600

VAP ☑ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCB's									No. of Containers
41	PRC 11	1-19-12	1611	01	–	G	✓									
42	PRC 12	1-19-12	1612	02	–	G	✓									
43	PRC 13	1-19-12	1613	03	✓	G	✓									
44	PRC 14	1-19-12	1614	04	–	G	✓									
45	PRC 15	1-19-12	1615	05	–	G	✓									
46	PRC 16	1-19-12	1616	06	–	G	✓									
47	PRC 17	1-19-12	1617	07	–	G	✓									
48	PRC 18	1-19-12	1618	08	–	G	✓									
49	PRC 19	1-19-12	1619	09	–	G	✓									
50	PRC 23	1-19-12	1623	10	–	G	✓									

Notes: Run 5th

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Steve Rose	1-20-12 10:16	[signature]	1016 1-20-12
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

Field Chain-of-Custody Record

1201340

☐ REGULAR Status ☑ RUSH Status

Cooler Temp: 5.6°C (Lab only)

13910

Date 1-19-12 Purchase Order No. 067188.08

Billing Address (if different) SME, 43980 Plymouth Oaks Blvd, Plymouth MI 48170

Company Name SME

Address 1 N Commerce Park Dr Ste 113

Lockland OH 45215 (City, State, Zip)

Person to Contact Keith Egan

Email Address egan@sme-usa.com

Telephone ( ) 513-319-8918

Fax Telephone ( )

Project No. 067188.08

Sampling Site Stearns PCB

Date/Time of Collection 1-19-12/1600

VAP ☑ Yes ☐ No

Analysis Requested: PCB's

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	PCB's									No. of Containers
S1	PRC 24	1-19-12	1624	-11	✓	G	✓									
S2	PRC 52	1-19-12	1652	-12	✓	G	✓									
S3	PRC 53	1-19-12	1653	-13	✓	G	✓									
S4	PRC 54	1-19-12	1654	-14	✓	G	✓									
S5	PRC 55	1-19-12	1655	-15	✓	G	✓									
S6	PRC 56	1-19-12	1656	-16	✓	G	✓									
S7	PRC 57	1-19-12	1657	-17	✓	G	✓									
S8	PRC 58	1-19-12	1658	-18	✓	G	✓									
S9	PRC 59	1-19-12	1659	-19	✓	G	✓									
S10	PRC 60	1-19-12	1700	-20	✓	G	✓									

Notes: Run 6th

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	1-20-12 10:16	[signature]	1014 1-20-12
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS | Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

05-Mar-2012

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: Stearns & Foster; Project No.: 063188.15 Work Order: **1202604**

Dear Keith,

ALS Environmental received 15 samples on 27-Feb-2012 03:27 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 13.

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

Sincerely,

Jim Baxter

Electronically approved by: Tami Anderson

Jim Baxter
Director

ALS Environmental

Date: 05-Mar-12

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: **1202604**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Dat	Date Received	Hold
1202604-01	PRCW1	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-02	PRCW2	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-03	PRCW3	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-04	PRCW4	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-05	PRC1A	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-06	PRC23A	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-07	PRC30A	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-08	PRC35A	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-09	PRC44A	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-10	PRC55A	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-11	PRC57A	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-12	PRC58A	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-13	PRC63A	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-14	PRC65A	Soil		2/27/2012	2/27/2012 15:27	☐
1202604-15	PRC66A	Soil		2/27/2012	2/27/2012 15:27	☐

ALS Environmental

Date: *05-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202604

Lab ID: 1202604-01A
Client Sample ID: PRCW1

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*108*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*104*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**18**		**0.010**	**% of sample**	1	2/29/2012

Lab ID: 1202604-02A
Client Sample ID: PRCW2

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*111*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*108*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**18**		**0.010**	**% of sample**	1	2/29/2012

Note:

ALS Environmental

Date: *05-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202604

Lab ID: 1202604-03A
Client Sample ID: PRCW3

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.10	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.21	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.10	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.10	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.10	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.10	mg/Kg-dry	1	3/4/2012
Aroclor 1260	**0.51**		**0.10**	**mg/Kg-dry**	1	3/4/2012
Surr: Decachlorobiphenyl	*141*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*90.0*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**5.2**		**0.010**	**% of sample**	1	2/29/2012

Lab ID: 1202604-04A
Client Sample ID: PRCW4

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.10	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.20	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.10	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.10	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.10	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.10	mg/Kg-dry	1	3/4/2012
Aroclor 1260	**0.25**		**0.10**	**mg/Kg-dry**	1	3/4/2012
Surr: Decachlorobiphenyl	*109*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*107*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**3.0**		**0.010**	**% of sample**	1	2/29/2012

Note:

ALS Environmental

Date: *05-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202604

Lab ID: 1202604-05A
Client Sample ID: PRC1A

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*103*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*103*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**16**		**0.010**	**% of sample**	1	2/29/2012

Lab ID: 1202604-06A
Client Sample ID: PRC23A

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*108*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*107*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**16**		**0.010**	**% of sample**	1	2/29/2012

Note:

ALS Environmental

Date: *05-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202604

Lab ID: 1202604-07A
Client Sample ID: PRC30A

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*108*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*108*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**19**		**0.010**	**% of sample**	1	2/29/2012

Lab ID: 1202604-08A
Client Sample ID: PRC35A

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*108*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*107*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**17**		**0.010**	**% of sample**	1	2/29/2012

Note:

ALS Environmental

Date: *05-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202604

Lab ID: 1202604-09A
Client Sample ID: PRC44A

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.13	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*107*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*109*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**22**		**0.010**	**% of sample**	1	2/29/2012

Lab ID: 1202604-10A
Client Sample ID: PRC55A

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*111*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*108*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**15**		**0.010**	**% of sample**	1	2/29/2012

Note:

ALS Environmental

Date: *05-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202604

Lab ID: 1202604-11A
Client Sample ID: PRC57A

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*109*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*107*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**17**		**0.010**	**% of sample**	1	2/29/2012

Lab ID: 1202604-12A
Client Sample ID: PRC58A

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*109*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*106*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**17**		**0.010**	**% of sample**	1	2/29/2012

Note:

ALS Environmental

Date: *05-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202604

Lab ID: 1202604-13A
Client Sample ID: PRC63A

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	**7.8**		**0.12**	**mg/Kg-dry**	1	3/4/2012
Surr: Decachlorobiphenyl	*120*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*113*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**19**		**0.010**	**% of sample**	1	2/29/2012

Lab ID: 1202604-14A
Client Sample ID: PRC65A

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*111*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*109*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**17**		**0.010**	**% of sample**	1	2/29/2012

Note:

ALS Environmental

Date: *05-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202604

Lab ID: 1202604-15A
Client Sample ID: PRC66A

Collection Date: 2/27/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **2/28/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	**0.13**		**0.12**	**mg/Kg-dry**	1	3/4/2012
Surr: Decachlorobiphenyl	*110*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*108*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **2/29/2012**	Analyst: **MHW**
Moisture	**17**		**0.010**	**% of sample**	1	2/29/2012

Note:

ALS Environmental

Date: 05-Mar-12

Client: Soil and Materials Engineers

Work Order: 1202604

Project: Stearns & Foster; Project No.: 063188.15

QC BATCH REPORT

Batch ID: **10071** Instrument ID **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-10071-10071** Units: **mg/Kg** Analysis Date: **2/27/2012**

Client ID: Run ID: **GC9_120227A** SeqNo: **396535** Prep Date: **2/28/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.20								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Surr: Decachlorobiphenyl	*0.1266*	0	*0.1*	0	*127*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0946*	0	*0.1*	0	*94.6*	*34-145*	0			

LCS Sample ID: **LCS-10071-10071** Units: **mg/Kg** Analysis Date: **2/27/2012**

Client ID: Run ID: **GC9_120227A** SeqNo: **396536** Prep Date: **2/28/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.062	0.10	2	0	103	50-133	0			
Surr: Decachlorobiphenyl	*0.1266*	0	*0.1*	0	*127*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0982*	0	*0.1*	0	*98.2*	*34-145*	0			

MS Sample ID: **1202480-22BMS** Units: **mg/Kg** Analysis Date: **2/27/2012**

Client ID: Run ID: **GC9_120227A** SeqNo: **396539** Prep Date: **2/28/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.099	0.10	2.016	0	104	31-150	0			
Surr: Decachlorobiphenyl	*0.1294*	0	*0.1008*	0	*128*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.1*	0	*0.1008*	0	*99.2*	*34-145*	0			

MSD Sample ID: **1202480-22BMSD** Units: **mg/Kg** Analysis Date: **2/27/2012**

Client ID: Run ID: **GC9_120227A** SeqNo: **396540** Prep Date: **2/28/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.069	0.10	2	0	103	31-150	2.099	1.41	53	
Surr: Decachlorobiphenyl	*0.1286*	0	*0.1*	0	*129*	*22-156*	0.1294	*0.648*		
Surr: Tetrachloro-m-xylene	*0.0994*	0	*0.1*	0	*99.4*	*34-145*	0.1	*0.602*		

The following samples were analyzed in this batch:

1202604-01A	1202604-02A	1202604-03A
1202604-04A	1202604-05A	1202604-06A
1202604-07A	1202604-08A	1202604-09A
1202604-10A	1202604-11A	1202604-12A
1202604-13A	1202604-14A	1202604-15A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 05-Mar-12

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
WorkOrder: 1202604

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: SOIL&MATERIALS-CINCINNATI

Date/Time Received: 27-Feb-12 15:27

Work Order: 1202604

Received by: SJW

Checklist completed by: Steve Wilcox (eSignature) 27-Feb-12 (Date)

Reviewed by: K elsey K ennedy (eSignature) 27-Feb-12 (Date)

Matrices:

Carrier name: Client

Shipping container/cooler in good condition?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.1		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

1202604

☐ REGULAR Status ☒ RUSH Status See below

C-4

Page 1 of 2

Cooler Temp: 4.1 (Lab only)

14221

Date 2/27/12 Purchase Order No. 063188.15 Billing Address (if different)

Company Name Soil & Materials Engineers

Address One N. Commerce Park Drive #113

Cincinnati (City) OH (State) 45215 (Zip)

Person to Contact Keith Egan

Project No. 063188.15

Email Address egan@smc-usa.com

Sampling Site Stearns & Foster

Telephone (513) 319 8918

Date/Time of Collection 2/27/12

Fax Telephone ( )

VAP ☒ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCBs									No. of Containers
	PRC W1	2/27/12		01			X									
	PRC W2			02			X									
	PRC W3			03			X									
	PRC W4			04			X									
	PRC 1A			05			X									
	PRC 23A			06			X									
	PRC 30A			07			X									
	PRC 35A			08			X									
	PRC 44A			09			X									
	PRC 55A			10			X									

Notes:
Need results by 3/6/12. Can run ~~to~~ samples on both cocs together. 1ppm detection limit OK

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	15:27 / 2/27/12	[signature]	2/27/12 15:27
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS | Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

1202604

Field Chain-of-Custody Record

☐ REGULAR Status ☒ RUSH Status see below

C-4

Page 2 of 2

Cooler Temp: 4.1 (Lab only)

14: 2

Date 2/27/12 Purchase Order No. 063188.15 Billing Address (if different)

Company Name Soil and Materials Engineers

Address One N. Commerce Park Drive #113

City Cincinnati State OH Zip 45215

Person to Contact Kent Egan Project No. 063188.15

Email Address egan@smc-usa.com Sampling Site Steams & Foster

Telephone (513) 319 8918 Date/Time of Collection 2/27/12

Fax Telephone ( ) VAP ☒ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCBs									No. of Containers
	PRC 57A			11			X									
	PRC 58A			12			X									
	PRC 63A			13			X									
	PRC 65A			14			X									
	PRC 66A			15			X									

Notes: Need results 3/6/12. Composite on both COC together. 1ppm detection limit OK

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	15:27 / 2/27/12	Steve Fielder	2/27/12 15:27
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS | Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

14-Mar-2012

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: Stearns & Foster; Project No.: 063188.15 Work Order: **1203148**

Dear Keith,

ALS Environmental received 1 sample on 07-Mar-2012 04:36 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 7.

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

Sincerely,

Jim Baxter

Electronically approved by: Jim Baxter

Jim Baxter
Director

ALS Environmental Date: 14-Mar-12

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: **1203148**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Dat	Date Received	Hold
1203148-01	PRC39A	Soil		2/28/2012	3/7/2012 16:36	☐

Client:	Soil and Materials Engineers
Project:	Stearns & Foster; Project No.: 063188.15
Work Order:	1203148

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements.

ALS Environmental

Date: *14-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: 1203148
Sample ID: PRC39A
Lab ID: 1203148-01
Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/9/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/12/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	3/12/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/12/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/12/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/12/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/12/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/12/2012
Surr: Decachlorobiphenyl	*95.0*		*22-156*	*%REC*	1	3/12/2012
Surr: Tetrachloro-m-xylene	*95.8*		*34-145*	*%REC*	1	3/12/2012
MOISTURE			**SM2540B**		Prep Date: **3/7/2012**	Analyst: **CTS**
Moisture	**14**		**0.010**	**% of sample**	1	3/8/2012

Note:

ALS Environmental

Date: 14-Mar-12

Client: Soil and Materials Engineers
Work Order: 1203148
Project: Stearns & Foster; Project No.: 063188.15

QC BATCH REPORT

Batch ID: **10278** Instrument ID **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-10278-10278** Units: **mg/Kg** Analysis Date: **3/12/2012**

Client ID: Run ID: **GC9_120312A** SeqNo: **403626** Prep Date: **3/9/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.20								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Surr: Decachlorobiphenyl	*0.0968*	0	*0.1*	0	*96.8*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0918*	0	*0.1*	0	*91.8*	*34-145*	0			

LCS Sample ID: **LCS-10278-10278** Units: **mg/Kg** Analysis Date: **3/12/2012**

Client ID: Run ID: **GC9_120312A** SeqNo: **403627** Prep Date: **3/9/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.051	0.10	2	0	103	50-133	0			
Surr: Decachlorobiphenyl	*0.0986*	0	*0.1*	0	*98.6*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.092*	0	*0.1*	0	*92*	*34-145*	0			

MS Sample ID: **1203126-01CMS** Units: **mg/Kg** Analysis Date: **3/12/2012**

Client ID: Run ID: **GC9_120312A** SeqNo: **403629** Prep Date: **3/9/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.038	0.10	2.016	0	101	31-150	0			
Surr: Decachlorobiphenyl	*0.09879*	0	*0.1008*	0	*98*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.09375*	0	*0.1008*	0	*93*	*34-145*	0			

MSD Sample ID: **1203126-01CMSD** Units: **mg/Kg** Analysis Date: **3/12/2012**

Client ID: Run ID: **GC9_120312A** SeqNo: **403630** Prep Date: **3/9/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.067	0.098	1.969	0	105	31-150	2.038	1.39	53	
Surr: Decachlorobiphenyl	*0.1*	0	*0.09843*	0	*102*	*22-156*	0.09879	*1.22*		
Surr: Tetrachloro-m-xylene	*0.09587*	0	*0.09843*	0	*97.4*	*34-145*	0.09375	*2.23*		

The following samples were analyzed in this batch: 1203148-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental Date: 14-Mar-12

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
WorkOrder: **1203148**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: SOIL&MATERIALS-CINCINNATI

Date/Time Received: 07-Mar-12 16:36

Work Order: 1203148

Received by: SJW

Checklist completed by: Steve Wilcox (eSignature) 07-Mar-12 (Date)

Reviewed by: K elsey K ennedy (eSignature) 07-Mar-12 (Date)

Matrices:

Carrier name: Client

Shipping container/cooler in good condition?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.2		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

ALS Environmental

06-Mar-2012

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: Stearns & Foster; Project No.: 063188.15 Work Order: **1202652**

Dear Keith,

ALS Environmental received 24 samples on 28-Feb-2012 04:08 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 19.

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

Sincerely,

Jim Baxter

Electronically approved by: Tami Anderson

Jim Baxter
Director

C-2

1203148

Field Chain-of-Custody Record

☐ **REGULAR** Status ☒ **RUSH** Status (see below)

Page 1 of 1

Cooler Temp: 2.2 (Lab only)

13917

Date 3/ Purchase Order No. 063188.15 Billing Address (if different)

Company Name Soil & Materials Engineers

Address One N. Commerce Park Drive

City Cincinnati State OH Zip 45215

Person to Contact Keith Egan Project No. 063188.15

Email Address egan@sme-usa.com Sampling Site Stearns & Foster

Telephone (513) 319 8918 Date/Time of Collection 2/28/12

Fax Telephone ( ) VAP ☐ Yes ☒ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCBs									No. of Containers
	PRC 39A	2/28/12		01			X									

Notes: RUSH = 5 day TAT. Please report dry weight corrected

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	16:36 / 3-7-12	[signature]	3/7/12 16:36
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: **ALS | Environmental**
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

ALS Environmental Date: 06-Mar-12

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: **1202652**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Dat	Date Received	Hold
1202652-01	PRCW5	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-02	PRCW6	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-03	PRCW7	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-04	PRCW8	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-05	PRCW9	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-06	PRCW10	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-07	PRCW11	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-08	PC9A	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-09	PRC3A	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-10	PRC4A	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-11	PRC8A	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-12	PRC10A	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-13	PRC14A	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-14	PRC15A	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-15	PRC16A	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-16	PRC21A	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-17	PRC28A	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-18	PRC34A	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-19	PRC40A	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-20	PRC68	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-21	PRC69	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-22	PRC70	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-23	PRC71	Soil		2/28/2012	2/28/2012 16:08	☐
1202652-24	PRC72	Soil		2/28/2012	2/28/2012 16:08	☐

ALS Environmental

Date: *06-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202652

Lab ID: 1202652-01A
Client Sample ID: PRCW5

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*110*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*86.8*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**13**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Lab ID: 1202652-02A
Client Sample ID: PRCW6

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*92.6*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*93.8*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**17**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Note:

ALS Environmental

Date: *06-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202652

Lab ID: 1202652-03A
Client Sample ID: PRCW7

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*95.0*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*94.2*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**15**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Lab ID: 1202652-04A
Client Sample ID: PRCW8

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.26	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.13	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*97.8*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*96.6*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**21**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Note:

ALS Environmental

Date: *06-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202652

Lab ID: 1202652-05A
Client Sample ID: PRCW9

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.11	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*95.4*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*94.2*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**14**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Lab ID: 1202652-06A
Client Sample ID: PRCW10

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.48	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.24	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*95.8*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*93.0*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**59**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Note:

ALS Environmental

Date: *06-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202652

Lab ID: 1202652-07A
Client Sample ID: PRCW11

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.22	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.11	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*94.0*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*91.8*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**11**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Lab ID: 1202652-08A
Client Sample ID: PC9A

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*101*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*100*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**16**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Note:

ALS Environmental

Date: *06-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202652

Lab ID: 1202652-09A
Client Sample ID: PRC3A

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.13	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*94.0*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*92.6*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**20**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Lab ID: 1202652-10A
Client Sample ID: PRC4A

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*95.6*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*94.6*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**18**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Note:

ALS Environmental

Date: *06-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202652

Lab ID: 1202652-11A
Client Sample ID: PRC8A

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.22	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.11	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.11	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*96.8*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*96.2*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**9.8**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Lab ID: 1202652-12A
Client Sample ID: PRC10A

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.13	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*95.4*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*95.0*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**21**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Note:

ALS Environmental

Date: *06-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202652

Lab ID: 1202652-13A
Client Sample ID: PRC14A

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.13	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*95.2*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*94.2*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**20**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Lab ID: 1202652-14A
Client Sample ID: PRC15A

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	**0.90**		**0.12**	**mg/Kg-dry**	1	3/4/2012
Surr: Decachlorobiphenyl	*95.2*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*94.8*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**18**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Note:

ALS Environmental

Date: *06-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202652

Lab ID: 1202652-15A
Client Sample ID: PRC16A

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*96.4*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*93.8*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**18**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Lab ID: 1202652-16A
Client Sample ID: PRC21A

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.13	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*95.6*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*95.8*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**22**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Note:

ALS Environmental

Date: *06-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202652

Lab ID: 1202652-17A
Client Sample ID: PRC28A

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*94.8*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*94.0*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**18**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Lab ID: 1202652-18A
Client Sample ID: PRC34A

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*93.6*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*92.6*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**15**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Note:

ALS Environmental

Date: *06-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202652

Lab ID: 1202652-19A
Client Sample ID: PRC40A

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*95.0*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*93.4*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**16**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Lab ID: 1202652-20A
Client Sample ID: PRC68

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.25	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.13	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*93.4*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*91.8*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**21**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Note:

ALS Environmental

Date: *06-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202652

Lab ID: 1202652-21A
Client Sample ID: PRC69

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*88.8*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*86.6*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**16**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Lab ID: 1202652-22A
Client Sample ID: PRC70

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*88.6*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*86.4*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**15**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Note:

ALS Environmental

Date: *06-Mar-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1202652

Lab ID: 1202652-23A
Client Sample ID: PRC71

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.27	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.13	mg/Kg-dry	1	3/4/2012
Aroclor 1260	**0.19**		**0.13**	**mg/Kg-dry**	1	3/4/2012
Surr: Decachlorobiphenyl	*88.6*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*86.8*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**27**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Lab ID: 1202652-24A
Client Sample ID: PRC72

Collection Date: 2/28/2012
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **3/2/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.14	mg/Kg-dry	1	3/4/2012
Aroclor 1221	ND		0.27	mg/Kg-dry	1	3/4/2012
Aroclor 1232	ND		0.14	mg/Kg-dry	1	3/4/2012
Aroclor 1242	ND		0.14	mg/Kg-dry	1	3/4/2012
Aroclor 1248	ND		0.14	mg/Kg-dry	1	3/4/2012
Aroclor 1254	ND		0.14	mg/Kg-dry	1	3/4/2012
Aroclor 1260	ND		0.14	mg/Kg-dry	1	3/4/2012
Surr: Decachlorobiphenyl	*89.8*		*22-156*	*%REC*	1	3/4/2012
Surr: Tetrachloro-m-xylene	*88.2*		*34-145*	*%REC*	1	3/4/2012
MOISTURE			**SM2540B**		Prep Date: **3/1/2012**	Analyst: **MHW**
Moisture	**26**		**0.010**	**% of sample**	1	3/1/2012 10:50 AM

Note:

ALS Environmental

Date: 06-Mar-12

Client: Soil and Materials Engineers

Work Order: 1202652

Project: Stearns & Foster; Project No.: 063188.15

QC BATCH REPORT

Batch ID: **10142** Instrument ID **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-10142-10142** Units: **mg/Kg** Analysis Date: **3/4/2012**

Client ID: Run ID: **GC9_120304B** SeqNo: **399227** Prep Date: **3/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.20								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Surr: Decachlorobiphenyl	*0.0958*	0	*0.1*	0	*95.8*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0948*	0	*0.1*	0	*94.8*	*34-145*	0			

LCS Sample ID: **LCS-10142-10142** Units: **mg/Kg** Analysis Date: **3/4/2012**

Client ID: Run ID: **GC9_120304B** SeqNo: **399228** Prep Date: **3/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	2.082	0.10	2	0	104	50-133	0			
Surr: Decachlorobiphenyl	*0.0984*	0	*0.1*	0	*98.4*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.095*	0	*0.1*	0	*95*	*34-145*	0			

MS Sample ID: **1202652-12Ams** Units: **mg/Kg** Analysis Date: **3/4/2012**

Client ID: **PRC10A** Run ID: **GC9_120304B** SeqNo: **399241** Prep Date: **3/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.975	0.099	1.976	0	100	31-150	0			
Surr: Decachlorobiphenyl	*0.09881*	0	*0.09881*	0	*100*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.09012*	0	*0.09881*	0	*91.2*	*34-145*	0			

MSD Sample ID: **1202652-12Amsd** Units: **mg/Kg** Analysis Date: **3/4/2012**

Client ID: **PRC10A** Run ID: **GC9_120304B** SeqNo: **399242** Prep Date: **3/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.947	0.10	2.016	0	96.6	31-150	1.975	1.43	53	
Surr: Decachlorobiphenyl	*0.09355*	0	*0.1008*	0	*92.8*	*22-156*	0.09881	*5.47*		
Surr: Tetrachloro-m-xylene	*0.09012*	0	*0.1008*	0	*89.4*	*34-145*	0.09012	*0.00265*		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Soil and Materials Engineers
Work Order: 1202652
Project: Stearns & Foster; Project No.: 063188.15

QC BATCH REPORT

Batch ID: **10142** Instrument ID **GC9** Method: **SW8082**

The following samples were analyzed in this batch:

1202652-01A	1202652-02A	1202652-03A
1202652-04A	1202652-05A	1202652-06A
1202652-07A	1202652-08A	1202652-09A
1202652-10A	1202652-11A	1202652-12A
1202652-13A	1202652-14A	1202652-15A
1202652-16A	1202652-17A	1202652-18A
1202652-19A	1202652-20A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Soil and Materials Engineers
Work Order: 1202652
Project: Stearns & Foster; Project No.: 063188.15

QC BATCH REPORT

Batch ID: **10159** Instrument ID **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-10159-10159** Units: **mg/Kg** Analysis Date: **3/4/2012**
Client ID: Run ID: **GC9_120304B** SeqNo: **399744** Prep Date: **3/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.20								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Surr: Decachlorobiphenyl	*0.09*	0	*0.1*	0	*90*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0882*	0	*0.1*	0	*88.2*	*34-145*	0			

LCS Sample ID: **LCS-10159-10159** Units: **mg/Kg** Analysis Date: **3/4/2012**
Client ID: Run ID: **GC9_120304B** SeqNo: **399745** Prep Date: **3/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.882	0.10	2	0	94.1	50-133	0			
Surr: Decachlorobiphenyl	*0.091*	0	*0.1*	0	*91*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0872*	0	*0.1*	0	*87.2*	*34-145*	0			

MS Sample ID: **1202693-02AMS** Units: **mg/Kg** Analysis Date: **3/4/2012**
Client ID: Run ID: **GC9_120304B** SeqNo: **399751** Prep Date: **3/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.982	0.10	2.02	0	98.1	31-150	0			
Surr: Decachlorobiphenyl	*0.09758*	0	*0.101*	0	*96.6*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0903*	0	*0.101*	0	*89.4*	*34-145*	0			

MSD Sample ID: **1202693-02AMSD** Units: **mg/Kg** Analysis Date: **3/4/2012**
Client ID: Run ID: **GC9_120304B** SeqNo: **399752** Prep Date: **3/2/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.565	0.10	2.012	0	77.8	31-150	1.982	23.5	53	
Surr: Decachlorobiphenyl	*0.1046*	0	*0.1006*	0	*104*	*22-156*	0.09758	*6.98*		
Surr: Tetrachloro-m-xylene	*0.08873*	0	*0.1006*	0	*88.2*	*34-145*	0.0903	*1.75*		

The following samples were analyzed in this batch:

1202652-21A	1202652-22A	1202652-23A
1202652-24A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 06-Mar-12

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
WorkOrder: **1202652**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: SOIL&MATERIALS-CINCINNATI

Date/Time Received: 28-Feb-12 16:08

Work Order: 1202652

Received by: SJW

Checklist completed by: Steve Wilcox (eSignature) 28-Feb-12 (Date)

Reviewed by: Jan Wilcox (eSignature) 29-Feb-12 (Date)

Matrices:

Carrier name: Client

Shipping container/cooler in good condition?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.0		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

1202652

☐ REGULAR Status ☒ RUSH Status see below

Page 1 of 3 13 8

Cooler Temp: 2-0 (Lab only)

Date 2/28 Purchase Order No. 063188.15 Billing Address (if different)

Company Name Soil & Materials Engineers

Address One N. Commerce Park Drive #113

City Cincinnati State OH Zip 45215

Person to Contact Keith Egan Project No. 063188.15

Email Address egan@sme-usa.com Sampling Site Steams Farm

Telephone 513 319 8918 Date/Time of Collection 2/28/12

Fax Telephone ( ) VAP ☒ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCBs									No. of Containers
	PRCW5	2/28/12		01			X									
	PRC W6			02			X									
	PRC W7			03			X									
	PRC W8			04			X									
	PRC W9			05			X									
	PRC W10			06			X									
	PRC W11			07			X									

Notes: Need data by 3/6/12

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	16:08/2-28-12	[signature]	2/28/12 16:08
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

Field Chain-of-Custody Record

ALS

1202652

☐ REGULAR Status ☒ RUSH Status see below

Page 2 of 3

Cooler Temp: 2.0 (Lab only)

13921

Date 2/28 Purchase Order No. 063188.15 Billing Address (if different)

Company Name Soil and Materials Engineers

Address One N. Commerce Park Drive #113

Cincinnati (City) OH (State) 45215 (Zip)

Person to Contact Keith Egan Project No 063188.15

Email Address egan@smre-usa.com Sampling Site Steam & Tester

Telephone (513) 319 8918 Date/Time of Collection 2/28

Fax Telephone ( ) VAP ☒ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCBs									No. of Containers
	PC 9A	2/28/12		08			X									
	PRC 3A			09			X									
	PRC 4A			10			X									
	PRC 8A			11			X									
	PRC 10A			12			X									
	PRC 14A			13			X									
	PRC 15A			14			X									
	PRC 16A			15			X									
	PRC 21A			16			X									
	PRC 28A			17			X									

Notes: Need results 3/6/12

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	16:07 / 2-28-12	Steven Wilson	2/28/12 16:07
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

Field Chain-of-C :ody Record

1202652

☐ REGULAR Status ☒ RUSH Status
See below

Cooler Temp: 2.0
(Lab only)

139 6

Date 2/28 Purchase Order No. 063188.15 Billing Address (if different)

Company Name Soil & Material Engineers

Address One N Commerce Park Drive #113

City Cincinnati State OH Zip 45215

Person to Contact Keith Egan Project No. 063188.15

Email Address egan@sme-usa.com Sampling Site Stearns & Foster

Telephone 513 319 8918 Date/Time of Collection 2/28

Fax Telephone ( ) VAP ☒ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested									No. of Containers
	PRC 34A			18												
	PRC 40A			19												
	PRC 68			20												
	PRC 69			21												
	PRC 70			22												
	PRC 71			23												
	PRC 72			24												

Notes: Need results 3/6/12

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	16:05 / 2-28-12	Steve Wilson	2/28/12 16:07
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS | Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

17-May-2012

Keith Egan
Soil and Materials Engineers
One N. Commerce Park Drive, Suite 113
Cincinnati, OH 45215

Tel: (513) 898-9430
Fax:

Re: Stearns & Foster; Project No.: 063188.15 Work Order: **1205268**

Dear Keith,

ALS Environmental received 11 samples on 10-May-2012 12:46 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

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

The total number of pages in this report is 11.

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

Sincerely,

Jim Baxter

Electronically approved by: Tami Anderson

Jim Baxter
Director

Certificate No: 05027

ALS Environmental

Date: 17-May-12

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
Work Order: **1205268**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Dat	Date Received	Hold
1205268-01	SS1	Soil		5/10/2012 09:45	5/10/2012 12:46	☐
1205268-02	SS2	Soil		5/10/2012 09:30	5/10/2012 12:46	☐
1205268-03	SS3	Soil		5/10/2012 09:20	5/10/2012 12:46	☐
1205268-04	SS5	Soil		5/10/2012 08:35	5/10/2012 12:46	☐
1205268-05	SS6	Soil		5/10/2012 08:25	5/10/2012 12:46	☐
1205268-06	SS7	Soil		5/10/2012 08:10	5/10/2012 12:46	☐
1205268-07	SS8 10.5-11	Soil		5/9/2012 04:00	5/10/2012 12:46	☐
1205268-08	SS9 11.5-12	Soil		5/9/2012 03:40	5/10/2012 12:46	☐
1205268-09	SS10 11.5-12	Soil		5/9/2012 03:15	5/10/2012 12:46	☐
1205268-10	SS11 11.5-12	Soil		5/9/2012 02:55	5/10/2012 12:46	☐
1205268-11	SS12 10-11	Soil		5/9/2012 02:35	5/10/2012 12:46	☐

ALS Environmental

Date: *17-May-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1205268

Lab ID: 1205268-01A
Client Sample ID: SS1

Collection Date: 5/10/2012 9:45:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **5/16/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	5/17/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	5/17/2012
Surr: Decachlorobiphenyl	*84.6*		*22-156*	*%REC*	1	5/17/2012
Surr: Tetrachloro-m-xylene	*80.2*		*34-145*	*%REC*	1	5/17/2012
MOISTURE			**SM2540B**		Prep Date: **5/15/2012**	Analyst: **CTS**
Moisture	**14**		**0.010**	**% of sample**	1	5/15/2012

Lab ID: 1205268-02A
Client Sample ID: SS2

Collection Date: 5/10/2012 9:30:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **5/16/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	5/17/2012
Aroclor 1232	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1242	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1248	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1254	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1260	ND		0.11	mg/Kg-dry	1	5/17/2012
Surr: Decachlorobiphenyl	*94.2*		*22-156*	*%REC*	1	5/17/2012
Surr: Tetrachloro-m-xylene	*87.8*		*34-145*	*%REC*	1	5/17/2012
MOISTURE			**SM2540B**		Prep Date: **5/15/2012**	Analyst: **CTS**
Moisture	**12**		**0.010**	**% of sample**	1	5/15/2012

Note:

ALS Environmental

Date: *17-May-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1205268

Lab ID: 1205268-03A
Client Sample ID: SS3

Collection Date: 5/10/2012 9:20:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **5/16/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1221	ND		0.22	mg/Kg-dry	1	5/17/2012
Aroclor 1232	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1242	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1248	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1254	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1260	ND		0.11	mg/Kg-dry	1	5/17/2012
Surr: Decachlorobiphenyl	*97.2*		*22-156*	*%REC*	1	5/17/2012
Surr: Tetrachloro-m-xylene	*94.4*		*34-145*	*%REC*	1	5/17/2012
MOISTURE			**SM2540B**		Prep Date: **5/15/2012**	Analyst: **CTS**
Moisture	**11**		**0.010**	**% of sample**	1	5/15/2012

Lab ID: 1205268-04A
Client Sample ID: SS5

Collection Date: 5/10/2012 8:35:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **5/16/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	5/17/2012
Aroclor 1232	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1242	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1248	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1254	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1260	ND		0.11	mg/Kg-dry	1	5/17/2012
Surr: Decachlorobiphenyl	*93.2*		*22-156*	*%REC*	1	5/17/2012
Surr: Tetrachloro-m-xylene	*90.6*		*34-145*	*%REC*	1	5/17/2012
MOISTURE			**SM2540B**		Prep Date: **5/15/2012**	Analyst: **CTS**
Moisture	**11**		**0.010**	**% of sample**	1	5/15/2012

Note:

ALS Environmental

Date: *17-May-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1205268

Lab ID: 1205268-05A
Client Sample ID: SS6

Collection Date: 5/10/2012 8:25:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **5/16/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	5/17/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	5/17/2012
Surr: Decachlorobiphenyl	*96.4*		*22-156*	*%REC*	1	5/17/2012
Surr: Tetrachloro-m-xylene	*91.8*		*34-145*	*%REC*	1	5/17/2012
MOISTURE			**SM2540B**		Prep Date: **5/15/2012**	Analyst: **CTS**
Moisture	**16**		**0.010**	**% of sample**	1	5/15/2012

Lab ID: 1205268-06A
Client Sample ID: SS7

Collection Date: 5/10/2012 8:10:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **5/16/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1221	ND		0.24	mg/Kg-dry	1	5/17/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	5/17/2012
Surr: Decachlorobiphenyl	*91.6*		*22-156*	*%REC*	1	5/17/2012
Surr: Tetrachloro-m-xylene	*93.2*		*34-145*	*%REC*	1	5/17/2012
MOISTURE			**SM2540B**		Prep Date: **5/15/2012**	Analyst: **CTS**
Moisture	**17**		**0.010**	**% of sample**	1	5/15/2012

Note:

ALS Environmental

Date: *17-May-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1205268

Lab ID: 1205268-07A
Client Sample ID: SS8 10.5-11

Collection Date: 5/9/2012 4:00:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **5/16/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	5/17/2012
Aroclor 1232	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1242	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1248	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1254	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1260	ND		0.11	mg/Kg-dry	1	5/17/2012
Surr: Decachlorobiphenyl	*92.2*		*22-156*	*%REC*	1	5/17/2012
Surr: Tetrachloro-m-xylene	*88.4*		*34-145*	*%REC*	1	5/17/2012
MOISTURE			**SM2540B**		Prep Date: **5/15/2012**	Analyst: **CTS**
Moisture	**11**		**0.010**	**% of sample**	1	5/15/2012

Lab ID: 1205268-08A
Client Sample ID: SS9 11.5-12

Collection Date: 5/9/2012 3:40:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **5/16/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	5/17/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	5/17/2012
Surr: Decachlorobiphenyl	*91.4*		*22-156*	*%REC*	1	5/17/2012
Surr: Tetrachloro-m-xylene	*88.8*		*34-145*	*%REC*	1	5/17/2012
MOISTURE			**SM2540B**		Prep Date: **5/15/2012**	Analyst: **CTS**
Moisture	**13**		**0.010**	**% of sample**	1	5/15/2012

Note:

ALS Environmental

Date: *17-May-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1205268

Lab ID: 1205268-09A
Client Sample ID: SS10 11.5-12

Collection Date: 5/9/2012 3:15:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **5/16/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	5/17/2012
Aroclor 1232	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1242	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1248	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1254	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1260	ND		0.11	mg/Kg-dry	1	5/17/2012
Surr: Decachlorobiphenyl	*94.4*		*22-156*	*%REC*	1	5/17/2012
Surr: Tetrachloro-m-xylene	*90.6*		*34-145*	*%REC*	1	5/17/2012
MOISTURE			**SM2540B**		Prep Date: **5/15/2012**	Analyst: **CTS**
Moisture	**14**		**0.010**	**% of sample**	1	5/15/2012

Lab ID: 1205268-10A
Client Sample ID: SS11 11.5-12

Collection Date: 5/9/2012 2:55:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **5/16/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	5/17/2012
Aroclor 1232	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1242	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1248	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1254	ND		0.12	mg/Kg-dry	1	5/17/2012
Aroclor 1260	ND		0.12	mg/Kg-dry	1	5/17/2012
Surr: Decachlorobiphenyl	*94.2*		*22-156*	*%REC*	1	5/17/2012
Surr: Tetrachloro-m-xylene	*91.4*		*34-145*	*%REC*	1	5/17/2012
MOISTURE			**SM2540B**		Prep Date: **5/15/2012**	Analyst: **CTS**
Moisture	**13**		**0.010**	**% of sample**	1	5/15/2012

Note:

ALS Environmental

Date: *17-May-12*

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15

Work Order: 1205268

Lab ID: 1205268-11A
Client Sample ID: SS12 10-11

Collection Date: 5/9/2012 2:35:00 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			**SW8082**		Prep Date: **5/16/2012**	Analyst: **SAD**
Aroclor 1016	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1221	ND		0.23	mg/Kg-dry	1	5/17/2012
Aroclor 1232	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1242	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1248	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1254	ND		0.11	mg/Kg-dry	1	5/17/2012
Aroclor 1260	ND		0.11	mg/Kg-dry	1	5/17/2012
Surr: Decachlorobiphenyl	*87.8*		*22-156*	*%REC*	1	5/17/2012
Surr: Tetrachloro-m-xylene	*82.6*		*34-145*	*%REC*	1	5/17/2012
MOISTURE			**SM2540B**		Prep Date: **5/15/2012**	Analyst: **CTS**
Moisture	**12**		**0.010**	**% of sample**	1	5/15/2012

Note:

ALS Environmental

Date: 17-May-12

Client: Soil and Materials Engineers

Work Order: 1205268

Project: Stearns & Foster; Project No.: 063188.15

QC BATCH REPORT

Batch ID: **11285** Instrument ID **GC9** Method: **SW8082**

MBLK Sample ID: **MBLK-11285-11285** Units: **mg/Kg** Analysis Date: **5/17/2012**

Client ID: Run ID: **GC9_120517A** SeqNo: **434782** Prep Date: **5/16/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.20								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Surr: Decachlorobiphenyl	*0.0992*	0	*0.1*	0	*99.2*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.099*	0	*0.1*	0	*99*	*34-145*	0			

LCS Sample ID: **LCS-11285-11285** Units: **mg/Kg** Analysis Date: **5/17/2012**

Client ID: Run ID: **GC9_120517A** SeqNo: **434783** Prep Date: **5/16/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.98	0.10	2	0	99	50-133	0			
Surr: Decachlorobiphenyl	*0.1002*	0	*0.1*	0	*100*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.0972*	0	*0.1*	0	*97.2*	*34-145*	0			

MS Sample ID: **1205268-07Ams** Units: **mg/Kg** Analysis Date: **5/17/2012**

Client ID: **SS8 10.5-11** Run ID: **GC9_120517A** SeqNo: **434791** Prep Date: **5/16/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.911	0.10	2.012	0	95	31-150	0			
Surr: Decachlorobiphenyl	*0.09759*	0	*0.1006*	0	*97*	*22-156*	0			
Surr: Tetrachloro-m-xylene	*0.08974*	0	*0.1006*	0	*89.2*	*34-145*	0			

MSD Sample ID: **1205268-07Amsd** Units: **mg/Kg** Analysis Date: **5/17/2012**

Client ID: **SS8 10.5-11** Run ID: **GC9_120517A** SeqNo: **434792** Prep Date: **5/16/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	1.86	0.10	1.996	0	93.2	31-150	1.911	2.73	53	
Surr: Decachlorobiphenyl	*0.09581*	0	*0.0998*	0	*96*	*22-156*	0.09759	*1.84*		
Surr: Tetrachloro-m-xylene	*0.08443*	0	*0.0998*	0	*84.6*	*34-145*	0.08974	*6.09*		

The following samples were analyzed in this batch:

1205268-01A	1205268-02A	1205268-03A
1205268-04A	1205268-05A	1205268-06A
1205268-07A	1205268-08A	1205268-09A
1205268-10A	1205268-11A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental Date: 17-May-12

Client: Soil and Materials Engineers
Project: Stearns & Foster; Project No.: 063188.15
WorkOrder: **1205268**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
% of sample	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: SOIL&MATERIALS-CINCINNATI

Date/Time Received: 10-May-12 12:46

Work Order: 1205268

Received by: SJW

Checklist completed by: Mariann Welch (eSignature) 10-May-12 (Date)

Reviewed by: Steve Wilcox (eSignature) 10-May-12 (Date)

Matrices:

Carrier name: Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	4.3		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

ALS 12052168

☒ REGULAR Status ☐ RUSH Status

Page 1 of 2

Cooler Temp: 4.3 (Lab only)

13 4

Date 5/10/12 Purchase Order No. 063188.15 Billing Address (if different)

Company Name Soil and Materials Engineers

Address One N. Commerce Park Drive #113

City Cincinnati State OH Zip 45215

Person to Contact Keith Egan Project No. 063188.15

Email Address egan@sme-usa.com Sampling Site Stearns & Foster

Telephone (513) 319 8918 Date/Time of Collection ~~5/9~~ KE 5/10/12

Fax Telephone ( ) VAP ☒ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCBs									No. of Containers
01	SS1	5/10/12	9:45				X									
02	SS2	"	9:30				X									
03	SS3	"	9:20				X									
	~~SS4~~	~~"~~	~~8:55~~	KE not collected												
04	SS5	"	8:35				X									
05	SS6	"	8:25				X									
06	SS7	"	8:10				X									

Notes: Requesting 5-day Turnaround time

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	12:45/5-10-12	Steve Wilson	5/10/12 12:46
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS | Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

Field Chain-of-Custody Record

ALS 12052168

☒ REGULAR Status ☐ RUSH Status

Page 2 of 2

Cooler Temp: 4.3 (Lab only)

13933

Date 5/10/12 Purchase Order No. 063188.15 Billing Address (if different)

Company Name Soil & Materials Engineers

Address One North Commerce Park Drive #113

Cincinnati (City) OH (State) 45215 (Zip)

Person to Contact Kelly Egan

Project No. 063188.15

Email Address egan@sme-usa.com

Sampling Site Stearns & Foster

Telephone (513) 319 8918

Date/Time of Collection 5/9/12

Fax Telephone ( )

VAP ☒ Yes ☐ No

Sample Number	Site ID		Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: PCBs									No. of Containers
07	SS8	10.5-11	5/9/12	4:06				X									
08	SS9	11.5-12	"	3:40				X									
09	SS10	11.5-12	"	3:15				X									
10	SS11	11.5-12	"	2:55				X									
11	SS12	10-11	"	2:35				X									

Notes: Requesting 5-day turn around time

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
[signature]	12:45 / 5-10-12	Steve Wilson	5/10/12 12:46
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

APPENDIX 6

APPENDIX 6

Statistical Evaluation

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Statistical Comparison of PCB Data

t-test

	Upstream	Site and Downstream
	0.08	**0.17**
	0.0785	0.085
	0.3	**0.38**
	0.085	0.07
	0.27	0.07
	0.55	0.07
	0.37	
Mean	0.25	0.14
Count	7	6
Standard Deviation	0.18	0.12
t	1.26	
$t_{0.05/2,\infty}$	2.45	

t is less than $t_{0.05/2,\infty}$ and we can conclude there is no significant difference between data sets.

Results in mg/Kg.
Detected results shown in bold.
Non detected shown at half the detection level.

Mann Whitney U Test

n_1	n_2	U	P (two-tailed)	P (one-tailed)
7	6	30.5	0.18065	0.09033
normal approximation z = 1.35714			0.1747358*	0.0873679*

*These values are approximate.

The two data sets are not significantly different (P >= 0.05, two-tailed test).