

Analytical Laboratory Report

Client Identification:	Stinson Morrison Hecker LLP	Sample Matrix:	Soil/Solid
Fibertec Project Number:	35430	Sample Number:	35430-023

Client Sample Information

Project Identification:	SIM-Ottumwa PCB Site	Client Sample Description:	C21
Project Number:	NA	Client Sample Number:	23
Sample Date:	8/12/2009	Chain of Custody Number:	94598

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 16.8%.**

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution.	J: The concentration is an estimated value.	X: Matrix Interference has resulted in a raised reporting limit or distorted result.
	B: The analyte was detected in the associated method blank.	U: The analyte was not detected at or above the reporting limit.	W: Results reported on a wet-weight basis.
	E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.		

*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	17	%	0.1	1	MC090817	8/20/2009	8/21/2009	BMG
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1016	U	µg/kg	400	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1221	U	µg/kg	400	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1232	U	µg/kg	400	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1242	U	µg/kg	400	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1248	U	µg/kg	400	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1254	U	µg/kg	400	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1260	U	µg/kg	400	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1262	U	µg/kg	400	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1268	U	µg/kg	400	1	PS09H18F	8/18/2009	8/19/2009	BDA

D0916

Analytical Laboratory Report

Client Identification: **Stinson Morrison Hecker LLP** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **35430** Sample Number: **35430-024**

Client Sample Information

Project Identification: **SIM-Ottumwa PCB Site** Client Sample Description: **B1**
Project Number: **NA** Client Sample Number: **24**
Sample Date: **8/12/2009** Chain of Custody Number: **94598**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.6%.**

Definitions/Qualifiers: A: Spike recovery or precision unusable due to dilution. J: The concentration is an estimated value. X: Matrix Interference has resulted in a raised reporting limit or distorted result.
B: The analyte was detected in the associated method blank. U: The analyte was not detected at or above the reporting limit. W: Results reported on a wet-weight basis.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated. *: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	13	%	0.1	1	MC090817	8/20/2009	8/21/2009	BMG
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1016	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1221	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1232	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1242	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1248	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1254	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1260	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1262	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1268	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA

D0917

Analytical Laboratory Report

Client Identification:	Stinson Morrison Hecker LLP	Sample Matrix:	Soil/Solid
Fibertec Project Number:	35430	Sample Number:	35430-025

Client Sample Information

Project Identification:	SIM-Ottumwa PCB Site	Client Sample Description:	B2
Project Number:	NA	Client Sample Number:	25
Sample Date:	8/12/2009	Chain of Custody Number:	94598

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 9.29%.**

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution.	J: The concentration is an estimated value.	X: Matrix Interference has resulted in a raised reporting limit or distorted result.
	B: The analyte was detected in the associated method blank.	U: The analyte was not detected at or above the reporting limit.	W: Results reported on a wet-weight basis.
	E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.		*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	9.3	%	0.1	1	MC090817	8/20/2009	8/21/2009	BMG
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1016	U	µg/kg	360	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1221	U	µg/kg	360	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1232	U	µg/kg	360	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1242	U	µg/kg	360	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1248	U	µg/kg	360	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1254	U	µg/kg	360	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1260	U	µg/kg	360	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1262	U	µg/kg	360	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1268	U	µg/kg	360	1	PS09H18F	8/18/2009	8/19/2009	BDA

D0918

Analytical Laboratory Report

Client Identification:	Stinson Morrison Hecker LLP	Sample Matrix:	Soil/Solid
Fibertec Project Number:	35430	Sample Number:	35430-026

Client Sample Information

Project Identification:	SIM-Ottumwa PCB Site	Client Sample Description:	B3
Project Number:	NA	Client Sample Number:	26
Sample Date:	8/12/2009	Chain of Custody Number:	94598

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 10.5%.**

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution.	J: The concentration is an estimated value.	X: Matrix Interference has resulted in a raised reporting limit or distorted result.
	B: The analyte was detected in the associated method blank.	U: The analyte was not detected at or above the reporting limit.	W: Results reported on a wet-weight basis.
	E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.		*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	11	%	0.1	1	MC090817	8/20/2009	8/21/2009	BMG
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1016	U	µg/kg	370	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1221	U	µg/kg	370	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1232	U	µg/kg	370	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1242	U	µg/kg	370	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1248	U	µg/kg	370	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1254	U	µg/kg	370	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1260	U	µg/kg	370	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1262	U	µg/kg	370	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1268	U	µg/kg	370	1	PS09H18F	8/18/2009	8/19/2009	BDA

D0919

Analytical Laboratory Report

Client Identification: **Stinson Morrison Hecker LLP** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **35430** Sample Number: **35430-036**

Client Sample Information

Project Identification: **SIM-Ottumwa PCB Site** Client Sample Description: **A6**
Project Number: **NA** Client Sample Number: **36**
Sample Date: **8/12/2009** Chain of Custody Number: **94599**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.3%.**

Definitions/Qualifiers: A: Spike recovery or precision unusable due to dilution. J: The concentration is an estimated value. X: Matrix Interference has resulted in a raised reporting limit or distorted result.
B: The analyte was detected in the associated method blank. U: The analyte was not detected at or above the reporting limit. W: Results reported on a wet-weight basis.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated. *: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	12	%	0.1	1	MC090817	8/20/2009	8/21/2009	BMG
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1016	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1221	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1232	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1242	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1248	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1254	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1260	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1262	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA
Aroclor-1268	U	µg/kg	380	1	PS09H18F	8/18/2009	8/19/2009	BDA

D0920

Analytical Laboratory Report

Client Identification: **Stinson Morrison Hecker LLP** Sample Matrix: **Soil/Solid**
Fibertec Project Number: **35430** Sample Number: **35430-037**

Client Sample Information

Project Identification: **SIM-Ottumwa PCB Site** Client Sample Description: **A7**
Project Number: **NA** Client Sample Number: **37**
Sample Date: **8/12/2009** Chain of Custody Number: **94599**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.9%.**

Definitions/Qualifiers: A: Spike recovery or precision unusable due to dilution. J: The concentration is an estimated value. X: Matrix Interference has resulted in a raised reporting limit or distorted result.
B: The analyte was detected in the associated method blank. U: The analyte was not detected at or above the reporting limit. W: Results reported on a wet-weight basis.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated. *: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	13	%	0.1	1	MC090817	8/20/2009	8/21/2009	BMG
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1016	U	µg/kg	380	1	PS09H18F	8/18/2009	8/20/2009	BDA
Aroclor-1221	U	µg/kg	380	1	PS09H18F	8/18/2009	8/20/2009	BDA
Aroclor-1232	U	µg/kg	380	1	PS09H18F	8/18/2009	8/20/2009	BDA
Aroclor-1242	U	µg/kg	380	1	PS09H18F	8/18/2009	8/20/2009	BDA
Aroclor-1248	U	µg/kg	380	1	PS09H18F	8/18/2009	8/20/2009	BDA
Aroclor-1254	U	µg/kg	380	1	PS09H18F	8/18/2009	8/20/2009	BDA
Aroclor-1260	U	µg/kg	380	1	PS09H18F	8/18/2009	8/20/2009	BDA
Aroclor-1262	U	µg/kg	380	1	PS09H18F	8/18/2009	8/20/2009	BDA
Aroclor-1268	U	µg/kg	380	1	PS09H18F	8/18/2009	8/20/2009	BDA

D0921

Analytical Laboratory Report

Client Identification: **Stinson Morrison Hecker LLP**

Sample Matrix: **Ground Water**

Fibertec Project Number: **35430**

Sample Number: **35430-038**

Client Sample Information

Project Identification: **SIM-Ottumwa PCB Site**

Client Sample Description: **TRIP BLANK**

Project Number: **NA**

Client Sample Number: **38**

Sample Date: **8/12/2009**

Chain of Custody Number: **94599**

Comments:

Definitions/
Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.

J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.

X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Acetone	U	µg/L	50	1	VB09H17B	8/17/2009	8/17/2009	BAG
Acrylonitrile	U	µg/L	2.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Benzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Bromobenzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Bromochloromethane	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Bromodichloromethane	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Bromoform	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Bromomethane	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
2-Butanone	U	µg/L	25	1	VB09H17B	8/17/2009	8/17/2009	BAG
n-Butylbenzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
sec-Butylbenzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
tert-Butylbenzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Carbon Disulfide	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Carbon Tetrachloride	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Chlorobenzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Chloroethane	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Chloroform	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Chloromethane	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
2-Chlorotoluene	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Dibromochloromethane	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG

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Analytical Laboratory Report

Client Identification: **Stinson Morrison Hecker LLP** Sample Matrix: **Ground Water**
Fibertec Project Number: **35430** Sample Number: **35430-038**

Client Sample Information

Project Identification: **SIM-Ottumwa PCB Site** Client Sample Description: **TRIP BLANK**
Project Number: **NA** Client Sample Number: **38**
Sample Date: **8/12/2009** Chain of Custody Number: **94599**

Comments:

Definitions/
Qualifiers: A: Spike recovery or precision unusable due to dilution. J: The concentration is an estimated value. X: Matrix Interference has resulted in a raised reporting limit or distorted result.
B: The analyte was detected in the associated method blank. U: The analyte was not detected at or above the reporting limit. W: Results reported on a wet-weight basis.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated. *: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
1,2-Dibromo-3-chloropropane	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Dibromomethane	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,2-Dichlorobenzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,3-Dichlorobenzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,4-Dichlorobenzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Dichlorodifluoromethane	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,1-Dichloroethane	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,2-Dichloroethane	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,1-Dichloroethene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
cis-1,2-Dichloroethene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
trans-1,2-Dichloroethene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,2-Dichloropropane	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
cis-1,3-Dichloropropene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
trans-1,3-Dichloropropene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Ethylbenzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Ethylene Dibromide	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
2-Hexanone	U	µg/L	50	1	VB09H17B	8/17/2009	8/17/2009	BAG
Methyl Iodide	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Isopropylbenzene	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
4-Methyl-2-pentanone	U	µg/L	50	1	VB09H17B	8/17/2009	8/17/2009	BAG

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Analytical Laboratory Report

Client Identification: **Stinson Morrison Hecker LLP** Sample Matrix: **Ground Water**
Fibertec Project Number: **35430** Sample Number: **35430-038**

Client Sample Information

Project Identification: **SIM-Ottumwa PCB Site** Client Sample Description: **TRIP BLANK**
Project Number: **NA** Client Sample Number: **38**
Sample Date: **8/12/2009** Chain of Custody Number: **94599**

Comments:

Definitions/Qualifiers: A: Spike recovery or precision unusable due to dilution. J: The concentration is an estimated value. X: Matrix Interference has resulted in a raised reporting limit or distorted result.
B: The analyte was detected in the associated method blank. U: The analyte was not detected at or above the reporting limit. W: Results reported on a wet-weight basis.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated. *: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Methylene Chloride	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
2-Methylnaphthalene	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
MTBE	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Naphthalene	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
n-Propylbenzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Styrene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,1,1,2-Tetrachloroethane	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,1,2,2-Tetrachloroethane	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Tetrachloroethene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Toluene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,2,4-Trichlorobenzene	U	µg/L	5.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,1,1-Trichloroethane	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,1,2-Trichloroethane	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Trichloroethene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Trichlorofluoromethane	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,2,3-Trichloropropane	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,2,3-Trimethylbenzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,2,4-Trimethylbenzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
1,3,5-Trimethylbenzene	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG
Vinyl Chloride	U	µg/L	1.0	1	VB09H17B	8/17/2009	8/17/2009	BAG

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Analytical Laboratory Report

Client Identification:	Stinson Morrison Hecker LLP	Sample Matrix:	Ground Water
Fibertec Project Number:	35430	Sample Number:	35430-038

Client Sample Information

Project Identification:	SIM-Ottumwa PCB Site	Client Sample Description:	TRIP BLANK
Project Number:	NA	Client Sample Number:	38
Sample Date:	8/12/2009	Chain of Custody Number:	94599

Comments:

Definitions/Qualifiers:

A: Spike recovery or precision unusable due to dilution.	J: The concentration is an estimated value.	X: Matrix Interference has resulted in a raised reporting limit or distorted result.
B: The analyte was detected in the associated method blank.	U: The analyte was not detected at or above the reporting limit.	W: Results reported on a wet-weight basis.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.		*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Xylenes	U	µg/L	3.0	1	VB09H17B	8/17/2009	8/17/2009	BAG

D0925

QUALITY ASSURANCE REPORT
for
LABORATORY BATCH NUMBER

ps09h17e pcb

SEMI-VOLATILES

Sample Matrix :	SOIL/SOLID	Preparation Method :	SW-846 3550B	Analytical Method :	SW-846 8082A
Inclusive Projects :	VARIOUS	Preparation Date :	8/17/2009	Analysis Date :	8/20/2009
		Prepared(s) Initials:	SC	Analyst(s) Initials :	BDA

Analyte	Unit	Matrix Spike / Matrix Spike Duplicate (MS/MSD)				Laboratory Control Spike (LCS)				Duplicate			
		Sample ID	Conc. (ug/Kg)	MSD (ug/Kg)	Percent Recovery	Sample ID	Conc. (ug/Kg)	MSD (ug/Kg)	Percent Recovery	Sample ID	Conc. (ug/Kg)	MSD (ug/Kg)	Percent Recovery
TCMX (S)	ug/Kg	33.0	33.0	24.1	33.0	28.1	27.1	85	82	42	133	4	30
Aroclor 1016	ug/Kg	330	660	U	660	568	537	86	81	48	147	6	30
Aroclor 1260	ug/Kg	330	660	U	660	535	505	81	76	69	130	6	30
DCB (S)	ug/Kg	33.0	33.0	21.8	33.0	24.4	23.4	74	71	40	143	4	30

Codes/Flags :
 U The analyte was not detected at or above the quantization limit.
 E The analyte was detected at a concentration greater than the calibration range; therefore the result is estimated.
 A The value is outside quality control limits
 W Result is always reported as "wet weight".

Comments :
 **DCB (S) is added to all samples at 33.0 ug/Kg, and is therefore presented as a percent recovery in the reagent blank.

Bethany D. Asan
Chemist/Date 8/31/09
PJP 9/1/09
Quality Assurance Officer/Date

QUALITY ASSURANCE REPORT

for

LABORATORY BATCH NUMBER

ps09h18f pcb

SEMI-VOLATILES

Sample Matrix :	SOIL/SOLID	Preparation Method :	SW-846 3550B	Analytical Method :	SW-846 8082A
Inclusive Projects :	VARIOUS	Preparation Date :	8/18/2009	Analysis Date :	8/19/2009
		Preparer(s) Initials:	SC	Analyst(s) Initials :	BDA

Contaminant	TL	Laboratory Contaminant				MSD												
		Conc. (µg/g)	Spiked Conc. (µg/g)	Recovery (%)	UOL (%)	Lab ID	Conc. (µg/g)	Spiked Conc. (µg/g)	Recovery (%)	UOL (%)	Lab ID	Conc. (µg/g)	Spiked Conc. (µg/g)	Recovery (%)	UOL (%)	Lab ID		
TCMX (S)	33.0 µg/Kg	104	33.0	32.0	97	42	133	35430-025	28.4	33.0	28.7	26.7	87	81	42	133	7	30
Aroclor 1016	330 µg/Kg	U	660	668	101	54	167	35430-025	U	660	617	566	93	86	48	147	9	66
Aroclor 1260	330 µg/Kg	U	660	654	99	56	145	35430-025	U	660	552	556	84	84	69	130	1	30
DCB (S)	33.0 µg/Kg	117	33.0	35.0	106	40	143	35430-025	27.7	33.0	27.4	26.7	83	81	40	143	2	30

Codes/Flags:

The analyte was not detected at or above the quantitation limit.

The analyte was not detected at or above the quantitation limit.

The analyte was detected at a concentration

The value is outside quality control limits

I

11

B

→

The analyte was detected at a conc. below the quant. limit but above the method detection limit.

The analyte was detected in the associated method blank.

The analyte was detected in the associated method blank.

Matrix interference has resulted in an elevated report

Comments:

Comments: ^{14}C -NCR (S) is added to all samples at 33.0 $\mu\text{g/Kg}$, and is therefore presented as a percent recovery in the reagent blank.

Chemist/Date Bithany D. A. Smith Archie

Quality Assurance Officer/Date

D0927

1914 Holloway Drive

11776 Grand River Avenue

Holt Michigan: 48842

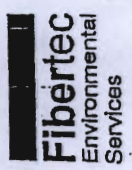
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QUALITY ASSURANCE REPORT
for
LABORATORY BATCH NUMBER

ps09h17a

SEMI-VOLATILES

Sample Matrix :	WIFE, TOTAL	Preparation Method :	SOP S-130	Analytical Method :	SW-846 8082A
Inclusive Projects :	VARIOUS	Preparation Date :	8/17/2009	Analysis Date :	8/17/2009
		Preparer(s) Initials :	BDA	Analyst(s) Initials :	BDA

Analyte	RL	Units	Laboratory Control Sample				Method Control / Calibration Equipment Duplicate									
			Spiked (G/W/D)	Ant. (G/W/D)	Rec. (G/W/D)	Recovery (%)	Ant. (G/W/D)	Spiked (G/W/D)	Ant. (G/W/D)	Rec. (G/W/D)	Recovery (%)	Ant. (G/W/D)	Spiked (G/W/D)	Ant. (G/W/D)	Rec. (G/W/D)	Recovery (%)
TCMX (S)	0.10	ug/Wipe	67	42	133	***	Wipe Mtx	0.0	0.500	0.370	0.305	74	61	42	133	19
Aroclor 1016	0.20	ug/Wipe	U	54	167	***	Wipe Mtx	U	10.0	9.52	8.91	95	89	54	167	7
Aroclor 1260	0.20	ug/Wipe	U	56	145	***	Wipe Mtx	U	10.0	10.09	9.44	101	94	56	145	7
DCB (S)	0.10	ug/Wipe	97	62	152	***	Wipe Mtx	0.0	0.500	0.520	0.485	104	97	62	152	7

Codes/Flags :	J	The analyte was detected at a conc. below the quant. limit but above the method detection limit.
	B	The analyte was detected in the associated method blank.
	X	Matrix interference has resulted in an elevated reporting limit or distorted QC result.
	A	Spike recovery or precision unusable due to dilution.

Comments :	
**DCB (S) is added to all samples at 0.10 ug/L, and is therefore presented as a percent recovery in the reagent blank.	
***No sample was available for matrix spikes. Precision and recovery for the batch were determined using LCS and LCD.	
Result is always reported as "wet weight".	

Signature: *Bethany D. Aspinall*
Date: 8-31-09
Quality Assurance Officer/Date: *9/1/09*

D0929