52IHSSF1003

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Site Name	ATKINSON ST CONTAMINATION
DocumentType	Site Assessment Rpt (SAR)
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Section	Superfund
Program	IHS (IHS)
DocCat	Facility

Bw

Appendix III

Boring Logs, Well Construction Records, and Field Notes

LOG OF BORING NO. B-109-1

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	Not surveyed
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	20
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	4¼" H.S.A.		
DATE DRILLED:	9/10/2010		

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	PID (ppm)	FID (ppm)	ELEVATION (feet)	DEPTH (feet)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
				0.0			Medium tan/brown SAND	
1	0.0							
				5.0			Medium tan to red/tan clayey SAND	
2	0.0							
				10.0			Tan/ brown silty SAND fine, wet @ 16'	
3	0.0							
4	1.6			15.0				∇
							Fine white/ tan SAND	
							Fine tan/ grey SAND	
5	2.8						Medium tan SAND	
							Very hard grey silty CLAY	
				20.0			Boring terminated at 20' bgs	

NOTES:

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LOG OF BORING B-109-1

LOG OF BORING NO. B-109-2

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	Not surveyed
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	20
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	4¼" H.S.A.		
DATE DRILLED:	9/10/2010		

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	PID (ppm)	FID (ppm)	ELEVATION (feet)	DEPTH (feet)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
				0.0			Light grey/ tan hard silty SAND	
1	0.0							
				5.0			Medium/ fine tan silty SAND	
2	2.9							
				10.0				
3	0.0							
							Fine tan silty SAND	
4	1.7			15.0			Medium large tan SAND, wet	
							Tan/ grey hard fine silty CLAY, wet	▽
5	1.6						Light brown fine silty SAND, wet	
				20.0				

NOTES:

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LOG OF BORING B-109-2

LOG OF BORING NO. B-109-3

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	Not surveyed
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	20
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	4¼" H.S.A.		
DATE DRILLED:	9/10/2010		

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	PID (ppm)	FID (ppm)	ELEVATION (feet)	DEPTH (feet)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
				0.0			Fine grey silty SAND	
1	0.1						Tan to tan/orange medium silty SAND, hard @ 5'	
				5.0				
2	1.5							
				10.0				
3	2.8						Grey/ tan and red large SAND, wet @ 13'	▽
4	0.0			15.0				
							Grey/ red silty CLAY, very hard (dry)	
5	0.0							
				20.0			Boring terminated at 20' bgs	

NOTES:

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LOG OF BORING B-109-3

LOG OF BORING NO. B-109-4

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	Not surveyed
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	20
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	4¼" H.S.A.		
DATE DRILLED:	9/10/2010		

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	PID (ppm)	FID (ppm)	ELEVATION (feet)	DEPTH (feet)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
				0.0			Loose tan SAND	
							Tan/ orange medium silty SAND	
1	0.7							
				5.0				
2	1.1						Orange/ dark brown silty CLAY hard	
				10.0				
3	1.2							
							Grey silty CLAY, very hard	
							Light tan silty SAND, wet @ 15'	
4	0.8			15.0			Red/ grey silty SAND, fine - wet	▽
							Grey silty CLAY, very hard	
5	0.0							
				20.0			Boring terminated at 20' bgs	

NOTES:

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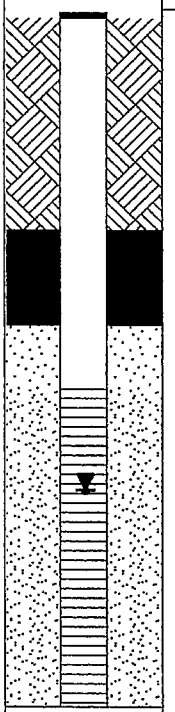
LOG OF BORING B-109-4

COMPLETION REPORT OF MONITOR WELL NO. SMW-3

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	383.92
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	21.8
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	4¼" H.S.A.		
DATE DRILLED:	9/13/2010		

STRATA DESCRIPTION	SYMBOL	DEPTH (feet)	WELL DETAILS	DEPTH (feet)	LEGEND	SPT (N-value)	ELEVATION (feet)	FID (ppm)	PID (ppm)
Ground Surface							383.92		
Tan/ light brown SAND (2-3" topsoil)		0.0		0.2			378.92		0.0
Tan/ orange silty sand (firm to 9'), fine-soft to 11', firm at 13'		5.0		6.8	CG		373.92		0.1
		10.0		9.8	BS				0.3
Tan fine SAND							368.92		
Tan/ white med grain SAND (wet @ 15')		15.0					363.92		0.6
Very hard grey silty CLAY, probe refusal @ 21.8		20.0							0.9
Boring terminated at refusal @ 21.8' bgs				21.8	FP BSC				1.9



WELL CONSTRUCTION DETAILS

PROTECTIVE CASING
Diameter:
Type:
Interval:

OUTER CASING
Diameter:
Type:
Length:

RISER CASING
Diameter:
Type:
Interval:

GROUT
Type: **cement**
Interval: **0 - 6.8**

SEAL
Type: **bentonite**
Interval: **6.8 - 9.8**

FILTERPACK
Type: **sand**
Interval: **9.8 - 21.8**

SCREEN
Diameter: **2"**
Type: **pvc**
Interval: **11.8 - 21.8**

LEGEND
▽ = Water Level At Termination of Boring (TOB)
▼ = Water Level After ~24 Hours
BS = Bentonite Seal
FP = Filter Pack
CG = Cement Grout
BSC = Bottom of Screen
REC = Core Recovery
RQD = Rock Quality Designation

NOTES:

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COMPLETION REPORT
OF MONITOR WELL NO. SMW-3

COMPLETION REPORT OF MONITOR WELL NO. DMW-1

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	385.28
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	93.5
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	Mud Rotary		
DATE DRILLED:	9/14/2010		

STRATA DESCRIPTION	SYMBOL	DEPTH (feet)	WELL DETAILS	DEPTH (feet)	LEGEND	SPT (N-value)	ELEVATION (feet)	FID (ppm)	PID (ppm)
Ground Surface							385.28		
Light brown med/lg grain SAND		0.0		0.2			380.28		0.0
		5.0					375.28		0.0
Tan silty SAND, med/ firm red at 14.5'		10.0					370.28		0.2
Tan/ grey/ red med SAND to 19', then grey silty on the first CLAY layer		15.0					365.28		0.0
Grey clayey silty SAND with brown/ red		20.0					360.28		0.0
Tan/ red silty CLAY with sand		25.0					355.28		0.1
Tan/ grey silty SAND to fine silty SAND		30.0					350.28		0.0
		35.0							

WELL CONSTRUCTION DETAILS

PROTECTIVE CASING
Diameter:
Type:
Interval:

OUTER CASING
Diameter:
Type:
Length:

RISER CASING
Diameter:
Type:
Interval:

GROUT
Type: **cement**
Interval: **0-84**

SEAL
Type: **bentonite**
Interval: **84 - 86.1**

FILTERPACK
Type: **sand pre-packed**
Interval: **86.1 - 93.5**

SCREEN
Diameter: **2"**
Type: **pvc pre-packed**
Interval: **88.5 - 93.5**

LEGEND
▽ = Water Level At Termination of Boring (TOB)
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FP = Filter Pack
CG = Cement Grout
BSC = Bottom of Screen
REC = Core Recovery
RQD = Rock Quality Designation

NOTES:

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COMPLETION REPORT
OF MONITOR WELL NO. DMW-1

COMPLETION REPORT OF MONITOR WELL NO. DMW-1

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	385.28
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	93.5
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	Mud Rotary		
DATE DRILLED:	9/14/2010		

STRATA DESCRIPTION	SYMBOL	DEPTH (feet)	WELL DETAILS	DEPTH (feet)	LEGEND	SPT (N-value)	ELEVATION (feet)	FID (ppm)	PID (ppm)
							350.28		
Fine silty SAND to large sand @ 40'		35.0					345.28		
Large tan SAND to 43.5' then red/ tan silty SAND med grain		40.0					340.28		
Very hard grey silty CLAY starts @ 47' bgs		45.0					335.28		
Tan/ grey silty CLAY very hard, clayey SAND @54'-55', grey with red silty SAND @ 59'		50.0					330.28		
		55.0					325.28		
Tan/ white large grain silty SAND to tan/ pink		60.0					320.28		
		65.0					315.28		
		70.0							

WELL CONSTRUCTION DETAILS

PROTECTIVE CASING
Diameter:
Type:
Interval:

OUTER CASING
Diameter:
Type:
Length:

RISER CASING
Diameter:
Type:
Interval:

GROUT
Type: **cement**
Interval: **0-84**

SEAL
Type: **bentonite**
Interval: **84 - 86.1**

FILTERPACK
Type: **sand pre-packed**
Interval: **86.1 - 93.5**

SCREEN
Diameter: **2"**
Type: **pvc pre-packed**
Interval: **88.5 - 93.5**

LEGEND
▽ = Water Level At Termination of Boring (TOB)
▼ = Water Level After ~24 Hours
BS = Bentonite Seal
FP = Filter Pack
CG = Cement Grout
BSC = Bottom of Screen
REC = Core Recovery
RQD = Rock Quality Designation

NOTES:

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COMPLETION REPORT
OF MONITOR WELL NO. DMW-1

COMPLETION REPORT OF MONITOR WELL NO. DMW-1

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	385.28
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	93.5
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	Mud Rotary		
DATE DRILLED:	9/14/2010		

STRATA DESCRIPTION	SYMBOL	DEPTH (feet)	WELL DETAILS	DEPTH (feet)	LEGEND	SPT (N-value)	ELEVATION (feet)	FID (ppm)	PID (ppm)
							315.28		
Tan/ white large grain silty SAND to tan/ pink *(continued)*		70.0					310.28		
		75.0					305.28		
		80.0					300.28		
				84	CG				
		85.0		86.1	BS		295.28		
Very hard silty CLAY. with sand grey to pink		90.0							
				93.5	FP				
				95	BSC				
Boring terminated at 95' bgs, cave-in to 93.5' well set									

WELL CONSTRUCTION DETAILS

PROTECTIVE CASING
Diameter:
Type:
Interval:

OUTER CASING
Diameter:
Type:
Length:

RISER CASING
Diameter:
Type:
Interval:

GROUT
Type: **cement**
Interval: **0-84**

SEAL
Type: **bentonite**
Interval: **84 - 86.1**

FILTERPACK
Type: **sand pre-packed**
Interval: **86.1 - 93.5**

SCREEN
Diameter: **2"**
Type: **pvc pre-packed**
Interval: **88.5 - 93.5**

LEGEND
▽ = Water Level At Termination of Boring (TOB)
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NOTES:

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COMPLETION REPORT
OF MONITOR WELL NO. DMW-1

COMPLETION REPORT OF MONITOR WELL NO. DMW-2

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	379.99
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	83
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	Mud Rotary		
DATE DRILLED:	9/15/2010		

STRATA DESCRIPTION	SYMBOL	DEPTH (feet)	WELL DETAILS	DEPTH (feet)	LEGEND	SPT (N-value)	ELEVATION (feet)	FID (ppm)	PID (ppm)
Ground Surface							379.99		
Light brown silty SAND w/ clay		0.0		0.2					
		5.0					374.99		0.0
Red/ grey silty fine SAND (firm)		10.0					369.99		0.0
Tan/ grey sandy SILT		15.0					364.99		0.0
Grey silty CLAY, very hard							359.99		0.0
Tan/ light grey/ red brown silty fine SAND oxidation @~24.5', saturated		20.0					354.99		0.0
Light tan to light red brown silty fine SAND oxidation stain, saturated		25.0					349.99		0.0
Lt tan/ red brown fine-medium SAND, saturated		30.0					344.99		0.0
		35.0							

WELL CONSTRUCTION DETAILS

PROTECTIVE CASING
Diameter:
Type:
Interval:

OUTER CASING
Diameter:
Type:
Length:

RISER CASING
Diameter:
Type:
Interval:

GROUT
Type: **cement**
Interval: **0 - 71**

SEAL
Type: **bentonite**
Interval: **71 - 73.5**

FILTERPACK
Type: **sand**
Interval: **73.5 - 78.5**

SCREEN
Diameter: **2"**
Type: **pvc**
Interval: **78.5 - 83.5**

LEGEND
▽ = Water Level At Termination of Boring (TOB)
▼ = Water Level After ~24 Hours
BS = Bentonite Seal
FP = Filter Pack
CG = Cement Grout
BSC = Bottom of Screen
REC = Core Recovery
RQD = Rock Quality Designation

NOTES:

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COMPLETION REPORT
OF MONITOR WELL NO. DMW-2

COMPLETION REPORT OF MONITOR WELL NO. DMW-2

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	379.99
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	83
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	Mud Rotary		
DATE DRILLED:	9/15/2010		

STRATA DESCRIPTION	SYMBOL	DEPTH (feet)	WELL DETAILS	DEPTH (feet)	LEGEND	SPT (N-value)	ELEVATION (feet)	FID (ppm)	PID (ppm)
							344.99		
Lt tan/ very lt grey slightly silty fine SAND, quartz, lt pink to red silty CLAY @ 44.4'		35.0					339.99		
		40.0					334.99		
Lt pink sandy silty CLAY		45.0					329.99		
Lt tan with slight non-oxide silty fine SAND		50.0					324.99		
Lt tan fine to med silty SAND		55.0					319.99		
		60.0					314.99		
		65.0					309.99		
		70.0							

WELL CONSTRUCTION DETAILS

PROTECTIVE CASING
Diameter:
Type:
Interval:

OUTER CASING
Diameter:
Type:
Length:

RISER CASING
Diameter:
Type:
Interval:

GROUT
Type: **cement**
Interval: **0 - 71**

SEAL
Type: **bentonite**
Interval: **71 - 73.5**

FILTERPACK
Type: **sand**
Interval: **73.5 - 78.5**

SCREEN
Diameter: **2"**
Type: **pvc**
Interval: **78.5 - 83.5**

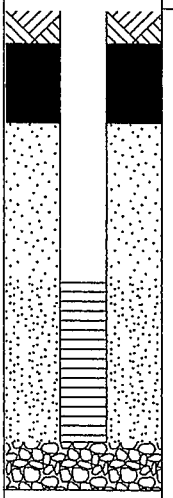
LEGEND
▽ = Water Level At Termination of Boring (TOB)
▼ = Water Level After ~24 Hours
BS = Bentonite Seal
FP = Filter Pack
CG = Cement Grout
BSC = Bottom of Screen
REC = Core Recovery
RQD = Rock Quality Designation

NOTES:

COMPLETION REPORT OF MONITOR WELL NO. DMW-2

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	379.99
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	83
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	Mud Rotary		
DATE DRILLED:	9/15/2010		

STRATA DESCRIPTION	SYMBOL	DEPTH (feet)	WELL DETAILS	DEPTH (feet)	LEGEND	SPT (N-value)	ELEVATION (feet)	FID (ppm)	PID (ppm)
							309.99		
Lt grey to tan fine silty SAND, mottled red/tan silty clay larger grain SAND @82'		70.0		71	CG				
				73.5	BS		304.99		
		75.0							
							299.99		
		80.0							
Very hard silty CLAY w/ large pebble size quartz, confining layer				83.5	FP BSC				
Boring terminated at 85' bgs, well set at 83.5' bgs				85					



WELL CONSTRUCTION DETAILS

PROTECTIVE CASING
Diameter:
Type:
Interval:

OUTER CASING
Diameter:
Type:
Length:

RISER CASING
Diameter:
Type:
Interval:

GROUT
Type: **cement**
Interval: **0 - 71**

SEAL
Type: **bentonite**
Interval: **71 - 73.5**

FILTERPACK
Type: **sand**
Interval: **73.5 - 78.5**

SCREEN
Diameter: **2"**
Type: **pvc**
Interval: **78.5 - 83.5**

LEGEND
▽ = Water Level At Termination of Boring (TOB)
▼ = Water Level After ~24 Hours
BS = Bentonite Seal
FP = Filter Pack
CG = Cement Grout
BSC = Bottom of Screen
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COMPLETION REPORT
OF MONITOR WELL NO. DMW-2

COMPLETION REPORT OF MONITOR WELL NO. DMW-3

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	367.03
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	84
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	Mud Rotary		
DATE DRILLED:	9/17/2010		

STRATA DESCRIPTION	SYMBOL	DEPTH (feet)	WELL DETAILS	DEPTH (feet)	LEGEND	SPT (N-value)	ELEVATION (feet)	FID (ppm)	PID (ppm)
Ground Surface							367.03		
Very tight grey/ tan silty CLAY		0.0		0.2			362.03		0.0
Very fine tan/ brown silty clayey SAND		5.0					357.03		0.0
Very fine tan/ brown silty SAND, grey silty SAND with clay @ 19.5'		10.0, 15.0					352.03, 347.03		0.0, 0.0
White medium grain silty SAND		20.0, 25.0					342.03, 337.03		0.0, 0.0
Grey silty clayey SAND		30.0					332.03		0.0
Light grey silty sandy CLAY, very hard confining unit		35.0							0.0

WELL CONSTRUCTION DETAILS

PROTECTIVE CASING
Diameter:
Type:
Interval:

OUTER CASING
Diameter:
Type:
Length:

RISER CASING
Diameter:
Type:
Interval:

GROUT
Type: **cement**
Interval: **0 - 71**

SEAL
Type: **bentonite**
Interval: **71 - 73.5**

FILTERPACK
Type: **sand**
Interval: **73.5 - 78.5**

SCREEN
Diameter: **2"**
Type: **pvc**
Interval: **78.5 - 83.5**

LEGEND
▽ = Water Level At Termination of Boring (TOB)
▼ = Water Level After ~24 Hours
BS = Bentonite Seal
FP = Filter Pack
CG = Cement Grout
BSC = Bottom of Screen
REC = Core Recovery
RQD = Rock Quality Designation

NOTES:

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COMPLETION REPORT
OF MONITOR WELL NO. DMW-3

COMPLETION REPORT OF MONITOR WELL NO. DMW-3

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	367.03
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	84
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	Mud Rotary		
DATE DRILLED:	9/17/2010		

STRATA DESCRIPTION	SYMBOL	DEPTH (feet)	WELL DETAILS	DEPTH (feet)	LEGEND	SPT (N-value)	ELEVATION (feet)	FID (ppm)	PID (ppm)
							332.03		
Light grey silty sandy CLAY, very hard confining unit *(continued)*		35.0					327.03		
		40.0							
Light grey silty SAND, softer							322.03		
Tan to pink medium to large silty SAND		45.0					317.03		
		50.0					312.03		
Tan/ pink large SAND, fine-medium at 59.5'		55.0					307.03		
Red medium silty SAND to 64', then tan fine silty clayey SAND to 65'		60.0					302.03		
Tan/ grey silty CLAY w/ fine sand, very dense		65.0					297.03		
		70.0							

WELL CONSTRUCTION DETAILS

PROTECTIVE CASING
Diameter:
Type:
Interval:

OUTER CASING
Diameter:
Type:
Length:

RISER CASING
Diameter:
Type:
Interval:

GROUT
Type: **cement**
Interval: **0 - 71**

SEAL
Type: **bentonite**
Interval: **71 - 73.5**

FILTERPACK
Type: **sand**
Interval: **73.5 - 78.5**

SCREEN
Diameter: **2"**
Type: **pvc**
Interval: **78.5 - 83.5**

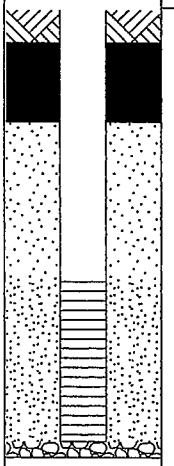
LEGEND
▽ = Water Level At Termination of Boring (TOB)
▼ = Water Level After ~24 Hours
BS = Bentonite Seal
FP = Filter Pack
CG = Cement Grout
BSC = Bottom of Screen
REC = Core Recovery
RQD = Rock Quality Designation

NOTES:

COMPLETION REPORT OF MONITOR WELL NO. DMW-3

PROJECT:	Atkinson Street Site	APPROXIMATE ELEVATION:	367.03
PROJECT NO:	1054-10-2002	BORING DEPTH (FT.):	84
PROJECT LOCATION:	Hamlet, North Carolina	LOGGED BY:	GP
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	Mud Rotary		
DATE DRILLED:	9/17/2010		

STRATA DESCRIPTION	SYMBOL	DEPTH (feet)	WELL DETAILS	DEPTH (feet)	LEGEND	SPT (N-value)	ELEVATION (feet)	FID (ppm)	PID (ppm)
							297.03		
Tan/ grey silty CLAY w/ fine sand, very dense *(continued)*		70.0		71	CG				
Medium tan/ red silty SAND w/ clay				73.5	BS		292.03		
Tan/ red/ light brown sandy silty CLAY, very hard, very tight		75.0							
							287.03		
		80.0							
				83.5	FP				
Boring terminated at 84' bgs, well set at 83.5' bgs				84	BSC				



WELL CONSTRUCTION DETAILS

PROTECTIVE CASING
Diameter:
Type:
Interval:

OUTER CASING
Diameter:
Type:
Length:

RISER CASING
Diameter:
Type:
Interval:

GROUT
Type: **cement**
Interval: **0 - 71**

SEAL
Type: **bentonite**
Interval: **71 - 73.5**

FILTERPACK
Type: **sand**
Interval: **73.5 - 78.5**

SCREEN
Diameter: **2"**
Type: **pvc**
Interval: **78.5 - 83.5**

LEGEND
▽ = Water Level At Termination of Boring (TOB)
▼ = Water Level After ~24 Hours
BS = Bentonite Seal
FP = Filter Pack
CG = Cement Grout
BSC = Bottom of Screen
REC = Core Recovery
RQD = Rock Quality Designation

NOTES:

S&ME
ENGINEERING • TESTING
ENVIRONMENTAL SERVICES
3201 Spring Forest Road
Raleigh, NC 27616

COMPLETION REPORT
OF MONITOR WELL NO. DMW-3

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2907

1. WELL CONTRACTOR:

Tom Whitehead
Well Contractor (Individual) Name

S&ME, Inc.
Well Contractor Company Name

3201 Spring Forest Road
Street Address

Raleigh NC 27616
City or Town State Zip Code

(919) 872-2660
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# WM0600821

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable) SMW-3

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)

DATE DRILLED 9/13/2010

4. WELL LOCATION:

Corner of Campbell Rd. and Atkinson Street
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Hamlet COUNTY Richmond

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☐Slope ☐Valley ☑Flat ☐Ridge ☐Other

LATITUDE 34 ° 54 ' 23.9700 " DMS OR 3x.xxxxxxxx DD

LONGITUDE 79 ° 40 ' 34.3900 " DMS OR 7x.xxxxxxxx DD

Latitude/longitude source: ☑GPS ☐Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Atkinson Site NONCD000286
Facility Name Facility ID# (if applicable)

109 Atkinson Street
Street Address

Hamlet NC 28345
City or Town State Zip Code

Mr. David Brown (NCDENR-Project Mgr.)
Contact Name

225 Green Street, Suite 714
Mailing Address

Fayetteville NC 28301
City or Town State Zip Code

(910) 433-3354
Area code Phone number

6. WELL DETAILS:

a. TOTAL DEPTH: 21.8

b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☑

c. WATER LEVEL Below Top of Casing: 15.01 FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS -0.2 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. YIELD (gpm): METHOD OF TEST

f. DISINFECTION: Type Amount

g. WATER ZONES (depth):

Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom
Top	Bottom	Top	Bottom

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top -0.2	Bottom 11.8	Ft. 2"	sch 40	PVC
Top	Bottom	Ft.		
Top	Bottom	Ft.		

8. GROUT:

Depth		Material	Method
Top 6.8	Bottom 9.8	Ft. Bentonite	Tremie
Top -0.4	Bottom 6.8	Ft. Cement	Tremie
Top	Bottom	Ft.	

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top 11.8	Bottom 21.8	Ft. 2 in.	.010 in.	PVC
Top	Bottom	Ft. in.	in.	
Top	Bottom	Ft. in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 9.8	Bottom 21.8	Ft. #2	Silica
Top	Bottom	Ft.	
Top	Bottom	Ft.	

11. DRILLING LOG

Top	Bottom	Formation Description
0	5.0	Tan/lt brown sand
5.0	13.0	Tan/orange silty sand
13.0	15.0	Tan fine sand
15.0	19.0	Tan/white medium sand
19.0	21.0	Grey silty clay-very hard

12. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE 10/25/10

Thomas Whitehead
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2626

1. WELL CONTRACTOR:

Ted Miller
Well Contractor (Individual) Name

S&ME, Inc.
Well Contractor Company Name

9751 Southern Pine Boulevard
Street Address

Charlotte NC 28273
City or Town State Zip Code

(704) 523-4726
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# WM0600821

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable) DMW-1

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐

Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐

Irrigation ☐ Other ☐ (list use)

DATE DRILLED 9/14/2010

4. WELL LOCATION:

Corner of Campbell Rd. and Atkinson Street
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Hamlet COUNTY Richmond

TOPOGRAPHIC / LAND SETTING: (check appropriate box)

☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other

LATITUDE 34 ° 54 ' 25.0400 " DMS OR 3x.xxxxxxxxx DD

LONGITUDE 79 ° 40 ' 34.0000 " DMS OR 7x.xxxxxxxxx DD

Latitude/longitude source: ☑ GPS ☐ Topographic map

(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Atkinson Site NONCD000286
Facility Name Facility ID# (if applicable)

109 Atkinson Street
Street Address

Hamlet NC 28345
City or Town State Zip Code

Mr. David Brown (NCDENR-Project Mgr.)
Contact Name

225 Green Street, Suite 714
Mailing Address

Fayetteville NC 28301
City or Town State Zip Code

(910) 433-3354
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 93.5

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑

c. **WATER LEVEL** Below Top of Casing: 45.16 FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** -0.2 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** _____ **METHOD OF TEST** _____

f. **DISINFECTION: Type** _____ **Amount** _____

g. **WATER ZONES** (depth):

Top ____ Bottom ____ Top ____ Bottom ____
Top ____ Bottom ____ Top ____ Bottom ____
Top ____ Bottom ____ Top ____ Bottom ____

7. CASING:	Depth		Diameter	Thickness/ Weight	Material
Top -0.2	Bottom 88.5	Ft.	2"	sch 40	PVC
Top	Bottom	Ft.			
Top	Bottom	Ft.			

8. GROUT:	Depth		Material	Method
Top 84.0	Bottom 86.1	Ft.	Bentonite	Tremie
Top -0.4	Bottom 84.0	Ft.	Cement	Tremie
Top	Bottom	Ft.		

9. SCREEN:	Depth		Diameter	Slot Size	Material
Top 88.5	Bottom 93.5	Ft.	2 in.	.010 in.	PVC
Top	Bottom	Ft.	in.	in.	pre-packed
Top	Bottom	Ft.	in.	in.	

10. SAND/GRAVEL PACK:	Depth		Size	Material
Top 86.1	Bottom 93.5	Ft.	#2	Silica pre packed
Top	Bottom	Ft.		plus additional sand
Top	Bottom	Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	14.0	Tan silty sand - medium
14.0	19.0	Tan/grey/red medium sand
x 19.0	23.0	Grey silty clay
23.0	25.0	Grey clayey silty sand
25.0	40.0	Tan/grey fine silty sand
40.0	47.0	Tan/red silty sand Medium
x 47.0	60.0	Tan/grey silty clay very hard
60.0	65.0	Tan silty sand
65.0	93.0	Tan/white/pink lg grained sand
x 93.0	95.0	Grey hard silty clay

12. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

T. Miller 10/25/10
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

Richard T. Miller
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2626

1. WELL CONTRACTOR:

Ted Miller
Well Contractor (Individual) Name

S&ME, Inc.
Well Contractor Company Name

9751 Southern Pine Boulevard
Street Address

Charlotte NC 28273
City or Town State Zip Code

(704) 523-4726
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# WM0600822

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable) DMW-2

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐

Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐

Irrigation ☐ Other ☐ (list use)

DATE DRILLED 9/15/2010

4. WELL LOCATION:

Corner Atkinson Street and Ashley Ave
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Hamlet COUNTY Richmond

TOPOGRAPHIC / LAND SETTING: (check appropriate box)

☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other

LATITUDE 34 ° 54 ' 21.7100 " DMS OR 3X.XXXXXXXXX DD

LONGITUDE 79 ° 40 ' 33.5200 " DMS OR 7X.XXXXXXXXX DD

Latitude/longitude source: ☑ GPS ☐ Topographic map

(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Atkinson Site NONCD000286
Facility Name Facility ID# (if applicable)

109 Atkinson Street
Street Address

Hamlet NC 28345
City or Town State Zip Code

Mr. David Brown (NCDENR-Project Mgr.)
Contact Name

225 Green Street, Suite 714
Mailing Address

Fayetteville NC 28301
City or Town State Zip Code

(910) 433-3354
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 83.0

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑

c. **WATER LEVEL** Below Top of Casing: 41.36 FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** -0.2 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** _____ **METHOD OF TEST** _____

f. **DISINFECTION: Type** _____ **Amount** _____

g. **WATER ZONES** (depth):

Top ____ Bottom ____ Top ____ Bottom ____
Top ____ Bottom ____ Top ____ Bottom ____
Top ____ Bottom ____ Top ____ Bottom ____

7. CASING:	Depth		Diameter	Thickness/ Weight	Material
Top -0.2	Bottom 78.0	Ft.	2"	sch 40	PVC
Top	Bottom	Ft.			
Top	Bottom	Ft.			

8. GROUT:	Depth		Material	Method
Top 71.0	Bottom 73.5	Ft.	Bentonite	Tremie
Top -0.4	Bottom 71.0	Ft.	Cement	Tremie
Top	Bottom	Ft.		

9. SCREEN:	Depth		Diameter	Slot Size	Material
Top 78.0	Bottom 83.0	Ft.	2 in.	.010 in.	PVC
Top	Bottom	Ft.	in.	in.	pre-packed
Top	Bottom	Ft.	in.	in.	

10. SAND/GRAVEL PACK:	Depth		Size	Material
Top 73.5	Bottom 83.0	Ft.	#2	Silica prepacked
Top	Bottom	Ft.		plus additional sand
Top	Bottom	Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	10.0	Lt brown silty sand
10.0	15.0	Red/grey silty fine sand
15.0	19.0	Tan silty sand
19.0	22.0	Grey silty clay - very hard
22.0	40.0	Tan/brown/grey silty sand
40.0	50.0	pink/red sandy silty clay
50.0	60.0	Lt tan/grey silty sand
60.0	73.5	Tan silty sand
73.5	82.0	Mottled red/tan silty clayey lg san
82.0	85.0	Grey hard silty clay

12. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE 10/25/10

Richard Miller
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 26216

1. WELL CONTRACTOR:

Ted Miller
Well Contractor (Individual) Name

S&ME, Inc.
Well Contractor Company Name

9751 Southern Pine Boulevard
Street Address

Charlotte NC 28273
City or Town State Zip Code

(704) 523-4726
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# WM0600823

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable) DMW-3

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐

Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐

Irrigation ☐ Other ☐ (list use)

DATE DRILLED 9/17/2010

4. WELL LOCATION:

112 Ashley Ave
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Hamlet COUNTY Richmond

TOPOGRAPHIC / LAND SETTING: (check appropriate box)

☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other

LATITUDE 34 ° 54 ' 21.7100 " DMS OR 3x.xxxxxxxxx DD

LONGITUDE 79 ° 40 ' 36.3800 " DMS OR 7x.xxxxxxxxx DD

Latitude/longitude source: ☑ GPS ☐ Topographic map

(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Atkinson Site NONCD000286
Facility Name Facility ID# (if applicable)

109 Atkinson Street
Street Address

Hamlet NC 28345
City or Town State Zip Code

Mr. David Brown (NCDENR-Project Mgr.)
Contact Name

225 Green Street, Suite 714
Mailing Address

Fayetteville NC 28301
City or Town State Zip Code

(910) 433-3354
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 84.0

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑

c. **WATER LEVEL** Below Top of Casing: 30.34 FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** -0.2 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** _____ **METHOD OF TEST** _____

f. **DISINFECTION: Type** _____ **Amount** _____

g. **WATER ZONES** (depth):

Top ____ Bottom ____ Top ____ Bottom ____
Top ____ Bottom ____ Top ____ Bottom ____
Top ____ Bottom ____ Top ____ Bottom ____

7. CASING:

Depth		Diameter	Thickness/ Weight	Material
Top -0.2	Bottom 79.0 Ft.	2"	sch 40	PVC
Top	Bottom Ft.			
Top	Bottom Ft.			

8. GROUT:

Depth		Material	Method
Top 73.0	Bottom 76.0 Ft.	Bentonite	Tremie
Top -0.4	Bottom 73.0 Ft.	Cement	Tremie
Top	Bottom Ft.		

9. SCREEN:

Depth		Diameter	Slot Size	Material
Top 79.0	Bottom 84.0 Ft.	2 in.	.010 in.	PVC
Top	Bottom Ft.	in.	in.	pre-packed
Top	Bottom Ft.	in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
Top 76.0	Bottom 84.0 Ft.	#2	Silica prepacked
Top	Bottom Ft.		plus additional sand
Top	Bottom Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0	5.0	Grey/tan silty clay
5.0	15.0	Tan/brown silty sand
15.0	20.0	Grey silty sand with clay
20.0	29.0	White med grain silty sand
29.0	35.0	Grey silty clayey sand
35.0	41.0	Grey silty sandy clay
41.0	60.0	Tan/pink silty sand
60.0	65.0	Red medium silty sand
65.0	72.0	Tan fine silty clayey sand
72.0	85.0	Tan/red silty sand with clay-Hard

12. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

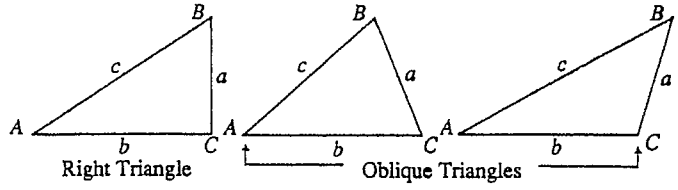
Ted Miller 10/25/10
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

Richard Miller
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

TRIGONOMETRIC FORMULÆ



Solution of Right Triangles

For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{b}$, $\operatorname{cosec} = \frac{c}{a}$

Given	Required	
a, b	A, B, c	$\tan A = \frac{a}{b} = \cot B,\ c = \sqrt{a^2 + b^2} = a\sqrt{1 + \frac{b^2}{a^2}}$
a, c	A, B, b	$\sin A = \frac{a}{c} = \cos B,\ b = \sqrt{(c+a)(c-a)} = c\sqrt{1 - \frac{a^2}{c^2}}$
A, a	B, b, c	$B = 90° - A,\ b = a \cot A,\ c = \frac{a}{\sin A}.$
A, b	B, a, c	$B = 90° - A,\ a = b \tan A,\ c = \frac{b}{\cos A}.$
A, c	B, a, b	$B = 90° - A,\ a = c \sin A,\ b = c \cos A,$

Solution of Oblique Triangles

Given	Required	
A, B, a	b, c, C	$b = \frac{a \sin B}{\sin A},\ C = 180° - (A + B),\ c = \frac{a \sin C}{\sin A}$
A, a, b	B, c, C	$\sin B = \frac{b \sin A}{a},\ C = 180° - (A + B),\ c = \frac{a \sin C}{\sin A}$
a, b, C	A, B, c	$A + B = 180° - C,\ \tan \frac{1}{2}(A - B) = \frac{(a-b)\tan \frac{1}{2}(A+B)}{a+b},$ $c = \frac{a \sin C}{\sin A}$
a, b, c	A, B, C	$s = \frac{a+b+c}{2},\ \sin \frac{1}{2}A = \sqrt{\frac{(s-b)(s-c)}{b\,c}},$ $\sin \frac{1}{2}B = \sqrt{\frac{(s-a)(s-c)}{a\,c}},\ C = 180° - (A + B)$
a, b, c	Area	$s = \frac{a+b+c}{2},\ \text{area} = \sqrt{s(s-a)(s-b)(s-c)}$
A, b, c	Area	$\text{area} = \frac{b\,c \sin A}{2}$
A, B, C, a	Area	$\text{area} = \frac{a^2 \sin B \sin C}{2 \sin A}$

9/10/00
1034-10-2002
Sunny 80's

Atkinson Site

0800 - Checked Boring locations
0900 - Held H+S meeting.

on site:
Gerald Paul
Tom Whitehead
Mike Medlin
David Brown

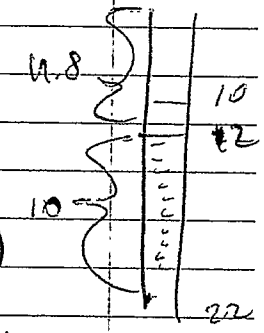
0910 - Set up on B-109-1
0-5 med grain tan/brown Sand (6" topsoil)
5-6 tan Clayey Sand
6-10 Red/tan clayey Sand (med grain)
10-13 Tan/brown very hard Silty Sand fine
13-16 " "
16-17 fine white/tan Sand wet @ 16' bgs
perched water more than likely from nearby
Septic tank & Sampled B-109-1 @ 0945
17-18 - fine tan/grey Sand (fine)
18-19 - med tan Sand
19-20 - Very hard grey silty clay.
0950 mob to B-109-2
0-5 light grey to tan hard Silty Sand
w large grains throughout.
5-9 mixed med to fine tan Silty Sand Sampled
9-12 - " "
13-15 fine tan Silty Sand
15-16 med to large grain Sand tan wet @ 16'
16-17 tan/grey fine Silty clay hard
17-18 " "
18-20 Very wet fine Silty Sand lt brown

B-109-3

1055 began Drilling
0-2 Fine grey Silty Sand
2-5 - tan hard med grain Silty Sand
5-9 - Tan/orange med silty Sand (hard)
9-12 " "
13-15 grey tan and red large Sand wet @ 13'
15-17 grey/red silty clay very hard (dry)
17-20 SAME
Set up on B-109-4
0-5 - loose tan sand to 1' (6" topsoil)
Then tan/orange silty Sand med grain
5-7 " "
7-9 - Orange/dark brown silty clay (hard)
9-12 " "
12-13 grey silty clay Very hard
13-15 light tan Sand (Silty wet @ 15'
15-17 Red/grey silty Sand fine wet
17-18 " "
18-20 grey silty clay (Very hard)

Sampled Haught WSW @ 1220
Sampled Jernigan WSW @ 1250
Sampled Butler WSW @ 1315
Keep blank 1325
1600 Cleaned up / left site
9/13/10 80's hot
To Drill 3 Deep wells + 1 Shallow monitor well.
On site:
Gerald Paul
Seth Lowe
Tom Whitehead.
0800 Arrived on site
opened existing wells
HMW-1 3/18/10 TWD = 80 70-80 Screen] stick up wells
HMW-2 " TWD = 36 26-36 Screen
SMW-1 " TWD = 90 85-90 Screen] flush mounts
SMW-2 " TWD = 85 75-85 Screen
1000 - Stone Drillers on site to install SMW-3
1015 - DAVID Brown on site
- Set up on SMW-3
0-5 tan/lt brown Sand (2-3" topsoil)
5-9 Tan/or Silty Sand (Firm)
9-11 fine Silty Sand (Soft)
11-13 - tan/or Silty Sand (Firm)
13-15 tan Fine Sand
15-17 Tan/white med grain Sand (wet @ 15')
17-19 " "
19-21 Very hard grey silty clay

21.8 Probe Refusal
1200 - Switched over to Augers w/ plug
to get through tight silty clay.
1210 Roll off arrived at site
1215 David Wells called to instruct me
to set SMW-3 @ 20-21' bgs on top
of the silty clay layer
1330 - Completed SMW-3
22 ft bgs 10' Screen
TWD 21.8
Sand 10
Bent 8-10
DTW - 14.95
TWD = 21.8
1515 - State Drillers (Charlotte)
Arrived on site
- Several conversations with David
Wells (ED) Wolszyn changed Drilling
Procedure for deep wells
1555 - held H+S meeting w/ new Drillers
Set up Rig on DMW-1
To begin Drilling 9/14/10 AM.



Drilled to 5' bgs to Check Seal
30-5 lt brown Sand.
Cleaned up / left site.

9/14/10 Drilling DMW-1
Drilling with CME 55 mud Rotor
using clean water
0800 - held H+S meeting
- cont Drilling DMW-1
8-9 - tan med/large Sand
9-10 - tan silty Sand med/fine
13-15 - Tan silty Sand Red silty Sand at 14.5
18-20 - tan/grey/red med sand to 19 then grey silty clay
On the first clay layer.
23-25 - 9/15/18 - blow cont grey clayey silty Sand
w brown/Red.
28-30 - 10/12/10 - BC 28-29 = tan/Red silty clay w/sand
29-30 tan/grey silty Sand.
33-35 - 9/9/7 BC - grey/tan fine silty Sand.
38-40 - 3/2/2 - fine silty sand to large sand @ 40'
43-45 large tan Sand to 43.5 then Red/tan silty Sand
Med grain
48-50 - 26/52/32 Very hard grey silty
Clay Started @ 47' bgs
53-55 -

1200 went to get water / lunch

While at Chappell site notetaker was visited by the Richmond County Health dept and was told that we were to contact them before we grouted the wells. Called david wells.

53-55 12/28/45 - tan/grey silty clay (Very hard)
8 to 54 Then 54-55 tan/or silty clayey sand Very hard.

58-60 - 15/25/31 BC Very hard Silty Clay Grey with Red Silty Sand @ 59'

1630 Transfer Pump Broke

63-65 tan Silty Sand (Softer) 6/9/6 BC

68-70 8/11/11 BC - large grain Silty Sand tan/white

73-75 8/7/6 BC - " " tan/Pink

78-80 1/1/1 Nothing in Spoon NO Sample large Sand

83-85 6/8/8 BC - large grain Sand Tan/pink

88-90 6/8/4 BC - " "

93-95 16/32/30 (Very hard) Silty Clay With Sand Grey to pink

Set well @ 95' bgs

Slight Cave in to 93.5'

Sand above the Screen to 86.1

Bentonite to 84.0

2030 - Cleaned up site - left

9/15/10 Cont Drilling Deep wells.

0800 - Arrived on site
- To begin grouting as soon as Dept of health Arrives on site.
- To set up on DMW-2
- Bryan with Dept of Health will be on site at 0945.

0950 - Dept of health on site - Victoria Hudson to Submit well const Records to State / DOH.

1005 - began pumping grout.
Continue using water from neighbors
Mixed 14 bags of portland to grout hole.
Decon Rig to set up on next hole DMW-2.

1400 Began Drilling DMW-2

3-5 - 4/8/8 BC - lt brown Silty Sand.

8-10 - 6/8/8 BC - lt brown Silty Sand w/clay.

13-15 2/2/7 BC - Red/grey Silty fine Sand (Firm)

18-20 3/9/19 BC - 18-19 tan Sandy Silt grey
19-20 - grey Silty Clay Very hard.

23.5-25 7/13/14 12" Rec Tan Hoping red brown silty fine SAND
oxidation @ 23.8' - 27.8' Saturated/Weigh Drill

28.5-30 6/9/8 8" Rec - lt tan to lt red brown silty f SAND
Cave in stem Saturated

33.5-35 10/12/9 Rec 10" Lt tan med lo. f-m SAND
Saturated
34.9 Lt gr sandy SILT
38.5-40 1/3/2 Rec 8' Lt Tan, very light gray slightly
silty f-cs SAND, qtz rounded, sub rounded
some sub-angular SATURATED
43.5-45 3/11/15 Same f-cs SAND
44.4 Lt pink to med silty CLAY, DAMP
48.5-50 8/20/30 Lt Pink Sandy Silty CLAY
Damp.
53.5-55 5/9/12 lt tan w/ slight non-oxide lamina
Silty fine Sand (Saturated)
57 - Start Sand
58.5-60 6/9/10 lt tan silty fine Sand.
63.5-65 6/7/11 - lt tan med ~~fine~~ Silty Sand
68.5-70 10/12/11 - lt tan med silty Sand - Rec 1.0"
73.5-75 - 6/8/10 - lt gray to tan fine silty Sand - Full Rec
78.5-80 - - mottled Red/tan silty/clayey large
grain Sand - Rec full - Clay layer noted @ 82' bgs
83.5-84 7.5/BC 6" Very little Recovery
Very hard silty clay with large pebble
Size 1/2 - To Set well on top of this
Confining layer.
~~Set well to~~ overdrilled to 85'
to set well @ 83.5 6" Cap
Sand to 73.5
Bent to 71

(8)

Grout well DMW-2 (inspection by Victoria Hudson
Decon All gear
Set up on DMW-2
1630 - begun Drilling DMW-3
3.5-5 - 3/7/9 BC - Very tight gray/tan silty clay
8.5-10 6/8/12 BC - Very fine tan/lt brown silty clayey Sand
Recovery 1'
13.5-15 4/7/8 BC - Recovery 1' Very fine tan/brown silty sand
18.5-20 - 4/6/12 BC - Rec full 8" " until 19.5
Then gray silty Sand w/ clay
23.5-25 - 6/8/12 BC - White med grain silty Sand
28.5-30 - 4/5/5 BC - " " to 29 Then gray silty clayey Sand.
33.5-35 - 8/20/22 BC lt grey silty Sandy clay
Very hard Con Unit.
1840 Cleaned up left site.
9/17/10 - Held HTS meeting
0730 Cont To Drill DMW-3
38.5-40 - Cont 7/14/18 BC lt grey silty Sandy clay Very hard.
43.5-45 - 5/8/11 - lt grey silty Sand Softer
Out of the clay @ 41.
48.5-50 - 15/17/20 BC - tan 1' Recovery med silty Sand
53.5-55 - 9/12/13 BC - tan/Pink med to large
silty Sand - 1' Recovery.
58.5-60 - 3/5/9 - 1' Rec - tan/pink lg Sand to 59.5
Then fine/med tan/pink silty Sand.
63.5-65 - 5/10/12 - Red med silty Sand to 64 Then
tan fine silty clayey Sand to 65. (Hard Clay #2)

(7)

DMW-3 cont

68.5-70 - 13/33/90 - tan/gray silty clay w/fine sand very dense - out of clay @ 72

73.5-75 - 6/8/36 - med tan/red silty sand w/clay to 74 - then tan/red/lt brown sandy silty clay (Very hard)

78.5-80 - 12/38/64 - tan silty clay w/sand (Hard)

~~83.5 to set well @ 83.5~~

83.5-84 18/47/ - BC - Same as above very tight

to set well @ 83.5

Sand to 76

Bent to 73

1400 Well inspector on site to ins Grout

9/20/10. on site to develop New mw's

0800 - Arrived on site — Gerald Paul, Walter Cole

- Opened all wells

- HTS meeting

0830 - Began to develop DMW-1

- Walter Cole to develop DMW-3

- Gerald Paul to develop DMW-2

Water levels	DTH2O	TWP	Per 5 gal AMT purged
DMW-1	44.94		1DX111
DMW-2	39.84		
DMW-3	30.28		
SMW-1	37.25		
SMW-2	29.15		
SMW-3	15.01		

Voltage output 21-25

Flow rate approx 2 gpm

Purged approx 350 gallons out of DMW-3

Purged approx 400 gallons out of DMW-1

Purged approx 200 gallons out of DMW-2

Well was pumping dry and recharge was not as fast as the other wells.

1715 left site - Placed Drums by waste Container.

Appendix IV

Calculations

109 Atkinson Street
Hamlet, North Carolina
S&ME Project No. 1054-10-2002

Groundwater Contour Calculations

Elevation		Elevation	Distance	Gradient	Contour 340	339	338	337	336	335	334
DMW-1	to	SMW-2									
340.12		339.45	278	0.00241	49.8						
DMW-1		SMW-1			340	339	338	337	336		
340.12		336.92	242	0.013223	9.1	84.7	160.3	236.0	311.6		
DMW-1		DMW-2			340	339					
340.12		338.63	325	0.004585	26.2	244.3					
SMW-2		SMW-1			339.0	338.0	337.0	336.0	335.0	334.0	333.0
339.45		336.92	212	0.011934	37.7	121.5	205.3				
SMW-2		DMW-3			339.0	338.0	337.0	336.0	335.0	334.0	333.0
339.45		336.69	250	0.01104	40.8	131.3	221.9	312.5	403.1	493.7	584.2
DMW-2		SMW-1			338.0	337.0	336.0	335.0	334.0	333.0	332.0
338.63		336.92	186	0.009194	68.5	177.3					
DMW-2		DMW-3			338.0	337.0	336.0	335.0	334.0	333.0	332.0
338.63		336.69	210	0.009238	68.2	176.4					
					368.0	367.0	366.0	365.0	364.0	363.0	362.0
368.76		336.92	272	0.117059	6.5	15.0	23.6	32.1	40.7	49.2	57.7
					377.0	376.0	375.0	374.0	373.0	372.0	371.0
0.00		336.92	258	-1.30589	288.7	287.9	287.2	286.4	285.6	284.9	284.1

Three Point gradient Calc

DMW-1	DMW-3		
340.12	336.69	344	0.009971

DMW-1	DMW-2	/ 0.00997	
340.12	338.63	149.434	
		New Dsit Perp to line 338.63	
340.12	336.69	298	**0.01151**

		TOC	DTW	Prod	Elev	Screen Int
Shallow						
HMW-2						26-36
SMW-3	9/21/2010	383.92	15.16	0.00	368.76	16.3-21.3
Deep						
HMW-1						70-80
SMW-1	9/21/2010	374.23	37.31	0.00	336.92	85-90
SMW-2	9/21/2010	368.65	29.20	0.00	339.45	75-85
DMW-1	9/21/2010	385.28	45.16	0.00	340.12	88.5-93.5
DMW-2	9/21/2010	379.99	41.36	0.00	338.63	77.5-82.5
DMW-3	9/21/2010	367.03	30.34	0.00	336.69	78.5-83.5

Appendix V

Field Groundwater Sampling Logs

S&ME GROUNDWATER SAMPLING LOG

Groundwater Samling Form

Site Name:	ATKINSON	S&ME Project No.:	1054-10-2002
Well No:	SMW-3	Sample ID: SMW-3	Date: 09-21-2010

PURGING DATA

Well Dia. (in):	2	Well Depth (ft):	21.8	Depth Top of Screen:	16.3	Depth Bottom of Screen (ft):	21.3	Depth to Water from TOC (ft):	15.16	Purge Equipment or Bailer:	Peristaltic pump

Well Volume Purge = (total well depth - static water depth) (ft) x well capacity (ft) x (gal/ft) = gal. Well condition:

Initial Pump or Tubing Depth in Well (ft):		Final Pump or Tubing Depth in Well (ft):		Purging Initiated at:		Purging Ended at:		Total Volume Purged (Gal):			

Time	Volume Purged (gal)	Cumul Vol Purged (gal)	pH (Std Units)	Temperature (°C)	Cond. (µmhos/cm or µS/cm)	Turbidity (NTUs)	Diss. Oxygen (mg/L)	ORP (mV)	Color - describe	Odor describe
1250	LFS		4.76	21.39	0.156	600	16.59	97		NONE
1252			4.69	21.30	0.156	360	10.80	100		
1254			4.57	21.38	0.156	282	6.53	104		
1256			4.50	21.54	0.155	260	6.00	108		
1258			4.53	20.68	0.154	220	6.80	110		
1300			4.55	20.64	0.153	160	6.71	120		
1302			4.50	20.63	0.152	130	5.77	121		
1304			4.37	20.67	0.154	120	6.00	124		
1306			4.37	20.64	0.152	132	6.06	130		
1310	<---- Time that record sample was collected					Sampling equipment:				

Well Capacity (Gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Purging Equipment Codes: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

Sampling Equipment Codes: APP = After Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (tubing gravity drain)

Remarks:

Sampler (print name): GERARD PAUL Sampler (Signature): [signature]

Samples Analyses: ☒ VOCs 8260B ☐ 8 RCRA Metals ☐ PCBs ☐ Herbicides Refernce Chain of Custody dated:
☐ SVOCs 8270D ☐ 14 Priority Pollutant Metals ☐ Pesticidse
☐ Other:

Notes: pH: +/- 0.2 units Temp: +/- 0.2°C Specific Cond: +/- 5% Dissolved Oxygen: all readings </= 20% saturation (see Table FS 2200-2); optionally, +/- 0.2 mg/L or +/- 10% (whichever is greater) Turbidity: all readings </= 20 NTU; optionally +/- 5 NTU or +/- 10% (whichever is greater)

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S&ME GROUNDWATER SAMPLING LOG

Groundwater Samling Form

Site Name:	ATKinson	S&ME Project No.:	1054-10-2002
Well No:	DMW-1	Sample ID: DMW-1	Date: 09-21-2010

PURGING DATA

Well Dia. (in):	2	Well Depth (ft):	93.5	Depth Top of Screen:	88	Depth Bottom of Screen (ft):	93	Depth to Water from TOC (ft):	45.16	Purge Equipment or Bailer:	monsoon

Well Volume Purge = (total well depth - static water depth) (ft) - (ft) x well capacity (gal/ft) = gal. Well condition:

Initial Pump or Tubing Depth in Well (ft):		Final Pump or Tubing Depth in Well (ft):		Purging Initiated at:		Purging Ended at:		Total Volume Purged (Gal):	

Time	Volume Purged (gal)	Cumul Vol. Purged (gal)	pH (Std Units)	Temperature (°C)	Cond. (µmhos/cm or µS/cm)	Turbidity (NTUs)	Diss. Oxygen (mg/L)	ORP (mV)	Color - describe	Odor describe
1200	CFS		8.00	18.68	0.209	627	7.31	-39.2		None
1202			7.94	18.68	0.205	600	7.02	-37.4		
1204			6.24	18.82	0.181	240	6.41	41.2		
1206			6.12	18.79	0.156	160	6.31	44		
1208			6.09	18.71	0.149	80	6.04	47		
1210			5.94	18.60	0.147	64	5.98	47		
1212			5.83	18.74	0.144	30.8	5.97	56		
1214			5.82	18.70	0.144	12	6.03	63		
1216			5.67	18.64	0.140	6.2	6.07	63.3		
1220	<---- Time that record sample was collected				Sampling equipment:					

Well Capacity (Gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Purging Equipment Codes: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

Sampling Equipment Codes: APP = After Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (tubing gravity drain)

Remarks:

Sampler (print name): GERALD PAUL

Sampler (Signature): [signature]

Samples Analyses: ☒ VOCs 8260B ☐ 8 RCRA Metals ☐ PCBs ☐ Herbicides Reference Chain of Custody dated:
☐ SVOCs 8270D ☐ 14 Priority Pollutant Metals ☐ Pesticides
☐ Other:

Notes: pH: +/- 0.2 units Temp: +/- 0.2°C Specific Cond: +/- 5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2); optionally, +/- 0.2 mg/L or +/- 10% (whichever is greater) Turbidity: all readings <= 20 NTU; optionally +/- 5 NTU or +/- 10% (whichever is greater)

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S&ME GROUNDWATER SAMPLING LOG

Groundwater Samling Form

Site Name:	ATHINSON	S&ME Project No.:	1054-10-2002
Well No:	DMW-2	Sample ID: DMW-2	Date: 09-21-2010

PURGING DATA

Well Dia. (in):	2	Well Depth (ft):	83	Depth Top of Screen:	77.5	Depth Bottom of Screen (ft):	82.5	Depth to Water from TOC (ft):	41.36	Purge Equipment or Bailer:	Peristaltic Pump

(total well depth - static water depth) x well capacity

Well Volume Purge = ____ (ft) - ____ (ft) x ____ (gal/ft) = ____ gal. Well condition:

Initial Pump or Tubing Depth in Well (ft):		Final Pump or Tubing Depth in Well (ft):		Purging Initiated at:		Purging Ended at:		Total Volume Purged (Gal):	

Time	Volume Purged (gal)	Cumul Vol Purged (gal)	pH (Std Units)	Temperature (°C)	Cond. (µmhos/cm or µS/cm)	Turbidity (NTUs)	Diss. Oxygen (mg/L)	ORP (mV)	Color - describe	Odor describe
1106	LFS		9.68	19.36	0.158	30	6.32	-62.9		None
1108			9.78	19.43	0.160	26.2	5.60	-66		
1110			10.12	19.60	0.199	20	5.05	-75		
1112			10.21	19.63	0.215	18.6	4.89	-91.8		
1114			10.36	19.62	0.264	14.2	4.88	-91.7		
1116			10.34	19.63	0.258	12.1	4.99	-95		
1118			10.22	19.86	0.220	5.1	4.72	-98		
1120			10.21	19.72	0.209	5.0	4.71	-100		
1122			10.21	19.68	0.204	4.6	4.70	-102		
1126	<---- Time that record sample was collected				Sampling equipment:					

Well Capacity (Gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Purging Equipment Codes: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

Sampling Equipment Codes: APP = After Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (tubing gravity drain)

Remarks:

Sampler (print name): GERALD PAUL Sampler (Signature): [signature]

Samples Analyses: ☑ VOCs 8260B ☐ 8 RCRA Metals ☐ PCBs ☐ Herbicides Reference Chain of Custody dated:
☐ SVOCs 8270D ☐ 14 Priority Pollutant Metals ☐ Pesticides
☐ Other:

Notes: pH: +/- 0.2 units Temp: +/- 0.2°C Specific Cond: +/- 5% Dissolved Oxygen: all readings <= 20% saturation (see Table FS 2200-2); optionally, +/- 0.2 mg/L or +/- 10% (whichever is greater) Turbidity: all readings <= 20 NTU; optionally +/- 5 NTU or +/- 10% (whichever is greater)

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S&ME

GROUNDWATER SAMPLING LOG

Groundwater Samling Form

Site Name:	ATKINSON	S&ME Project No.:	1054-10-2002
Well No:	DMW-3	Sample ID:	DMW-3
Date:	9/21/10		

PURGING DATA

Well Dia. (in):	2	Well Depth (ft):	84	Depth Top of Screen:	78.5	Depth Bottom of Screen (ft):	83.5	Depth to Water from TOC (ft):	30.34	Purge Equipment or Bailer:	Monsoon Pump

Well Volume Purge = (total well depth - static water depth) (ft) - (ft) x well capacity (gal/ft) = gal. Well condition:

Initial Pump or Tubing Depth in Well (ft):		Final Pump or Tubing Depth in Well (ft):		Purging Initiated at:		Purging Ended at:		Total Volume Purged (Gal):	

Time	Volume Purged (gal)	Cumul Vol Purged (gal)	pH (Std Units)	Temperature (°C)	Cond. (µmhos/cm or µS/cm)	Turbidity (NTUs)	Diss. Oxygen (mg/L)	ORP (mV)	Color - describe	Odor describe
1018	LFS		9.94	18.47	0.097	680	8.56	-72.4	Cloudy	None
1022			10.07	18.46	0.101	720	8.38	-77	"	"
1024			9.09	18.98	0.082	430	7.70	-38.8	Clear	"
1026			8.28	18.93	0.060	136	7.71	-46.6	Clear	"
1028			8.21	18.96	0.060	72	7.56	-43.9	Clear	"
1030			7.70	1900	0.060	64	7.54	-21	Clear	"
1032			7.66	18.96	0.058	46	7.52	-30	Clear	"
1034			7.49	19.97	0.056	22	7.56	-27.2	Clear	"
1036			7.56	18.85	0.055	14	7.54	-21	Clear	"
1038	<---- Time that record sample was collected			18.96	0.055	12		-17	Clear	

Sampling equipment:

Well Capacity (Gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Purging Equipment Codes: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

Sampling Equipment Codes: APP = After Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (tubing gravity drain)

Remarks:

Sampler (print name): GERALD PAUL

Sampler (Signature): [signature]

Samples Analyses: ☒ VOCs 8260B ☐ 8 RCRA Metals ☐ PCBs ☐ Herbicides Refernce Chain of Custody dated:

☐ SVOCs 8270D ☐ 14 Priority Pollutant Metals ☐ Pesticidse

☐ Other:

Notes: pH: +/- 0.2 units Temp: +/- 0.2°C Specific Cond: +/- 5% Dissolved Oxygen: all readings </= 20% saturation (see Table FS 2200-2); optionally, +/- 0.2 mg/L or +/- 10% (whichever is greater) Turbidity: all readings </= 20 NTU; optionally +/- 5 NTU or +/- 10% (whichever is greater)

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Appendix VI

Laboratory Analytical Report and Chain of Custody Form

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Thursday, September 30, 2010

S&ME, Inc. (SM001)

Attn: Ed Woloszyn

3201 Spring Forest Road

Raleigh, NC 27616

RE: Laboratory Results for
Project Number: 1054-10-2002, Project Name/Desc: Atkinson Street Contamination
ENCO Workorder: C011553

Dear Ed Woloszyn,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, September 21, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 24.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: DMW-1	Lab ID: C011553-01	Sampled: 09/21/10 12:20	Received: 09/21/10 15:50
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/05/10	09/24/10 12:56	9/25/2010 08:13

Client ID: DMW-2	Lab ID: C011553-02	Sampled: 09/21/10 11:26	Received: 09/21/10 15:50
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/05/10	09/24/10 12:56	9/25/2010 08:43

Client ID: DMW-3	Lab ID: C011553-03	Sampled: 09/21/10 10:38	Received: 09/21/10 15:50
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/05/10	09/29/10 09:21	9/29/2010 17:39

Client ID: SMW-3	Lab ID: C011553-04	Sampled: 09/21/10 13:10	Received: 09/21/10 15:50
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/05/10	09/29/10 09:21	9/29/2010 18:08

Client ID: Dup	Lab ID: C011553-05	Sampled: 09/21/10 00:00	Received: 09/21/10 15:50
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/05/10	09/29/10 09:21	9/29/2010 18:38

Client ID: Equip Blank	Lab ID: C011553-06	Sampled: 09/21/10 14:00	Received: 09/21/10 15:50
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/05/10	09/29/10 09:21	9/29/2010 19:07

Client ID: Trip Blank	Lab ID: C011553-07	Sampled: 09/21/10 12:20	Received: 09/21/10 15:50
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/05/10	09/29/10 09:21	9/29/2010 15:38

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SAMPLE DETECTION SUMMARY

Client ID: DMW-1 **Lab ID: C011553-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethane	1.4		0.33	1.0	ug/L	EPA 8260B	
1,1-Dichloroethene	11		0.24	1.0	ug/L	EPA 8260B	

Client ID: DMW-2 **Lab ID: C011553-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethene	0.90	J	0.24	1.0	ug/L	EPA 8260B	
Acetone	3.5	J	1.5	5.0	ug/L	EPA 8260B	
Bromodichloromethane	0.41	J	0.37	1.0	ug/L	EPA 8260B	
Chloroform	2.2		0.20	1.0	ug/L	EPA 8260B	

Client ID: DMW-3 **Lab ID: C011553-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethene	0.90	J	0.24	1.0	ug/L	EPA 8260B	
Acetone	4.6	J	1.5	5.0	ug/L	EPA 8260B	
Chloroform	1.0		0.20	1.0	ug/L	EPA 8260B	

Client ID: SMW-3 **Lab ID: C011553-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	4.0	J	1.5	5.0	ug/L	EPA 8260B	

Client ID: Dup **Lab ID: C011553-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethane	1.3		0.33	1.0	ug/L	EPA 8260B	
1,1-Dichloroethene	12		0.24	1.0	ug/L	EPA 8260B	

Client ID: Trip Blank **Lab ID: C011553-07**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	3.7	J	1.5	5.0	ug/L	EPA 8260B	

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ANALYTICAL RESULTS

Description: DMW-1
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-01
Sampled: 09/21/10 12:20
Sampled By: Gerald Paul

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.4**		ug/L	1	0.33	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,1-Dichloroethene [75-35-4] ^	**11**		ug/L	1	0.24	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	5.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	0I24005	EPA 8260B	09/25/10 08:13	JKG	

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Description: DMW-1
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-01
Sampled: 09/21/10 12:20
Sampled By: Gerald Paul

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	OI24005	EPA 8260B	09/25/10 08:13	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*51-122*	*OI24005*	*EPA 8260B*	*09/25/10 08:13*	*JKG*	
Dibromofluoromethane	*39*	*1*	*50.0*	*78 %*	*68-117*	*OI24005*	*EPA 8260B*	*09/25/10 08:13*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*OI24005*	*EPA 8260B*	*09/25/10 08:13*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: DMW-2
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-02
Sampled: 09/21/10 11:26
Sampled By: Gerald Paul

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,1-Dichloroethene [75-35-4] ^	**0.90**	J	ug/L	1	0.24	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	5.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Acetone [67-64-1] ^	**3.5**	J	ug/L	1	1.5	5.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Bromodichloromethane [75-27-4] ^	**0.41**	J	ug/L	1	0.37	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Chloroform [67-66-3] ^	**2.2**		ug/L	1	0.20	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	

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Description: DMW-2
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-02
Sampled: 09/21/10 11:26
Sampled By: Gerald Paul

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	OI24005	EPA 8260B	09/25/10 08:43	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*OI24005*	*EPA 8260B*	*09/25/10 08:43*	*JKG*	
Dibromofluoromethane	*39*	*1*	*50.0*	*78 %*	*68-117*	*OI24005*	*EPA 8260B*	*09/25/10 08:43*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*95 %*	*69-110*	*OI24005*	*EPA 8260B*	*09/25/10 08:43*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: DMW-3
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-03
Sampled: 09/21/10 10:38
Sampled By: Gerald Paul

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,1-Dichloroethene [75-35-4] ^	**0.90**	J	ug/L	1	0.24	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	5.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Acetone [67-64-1] ^	**4.6**	J	ug/L	1	1.5	5.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Chloroform [67-66-3] ^	**1.0**		ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	0I29013	EPA 8260B	09/29/10 17:39	JKG	

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Description: DMW-3
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-03
Sampled: 09/21/10 10:38
Sampled By: Gerald Paul

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	OI29013	EPA 8260B	09/29/10 17:39	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*OI29013*	*EPA 8260B*	*09/29/10 17:39*	*JKG*	
Dibromofluoromethane	*33*	*1*	*50.0*	*66 %*	*68-117*	*OI29013*	*EPA 8260B*	*09/29/10 17:39*	*JKG*	*QS-03*
Toluene-d8	*37*	*1*	*50.0*	*73 %*	*69-110*	*OI29013*	*EPA 8260B*	*09/29/10 17:39*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: SMW-3
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-04
Sampled: 09/21/10 13:10
Sampled By: Gerald Paul

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	5.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Acetone [67-64-1] ^	**4.0**	J	ug/L	1	1.5	5.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	

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Description: SMW-3
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-04
Sampled: 09/21/10 13:10
Sampled By: Gerald Paul

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	0I29013	EPA 8260B	09/29/10 18:08	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*0I29013*	*EPA 8260B*	*09/29/10 18:08*	*JKG*	
Dibromofluoromethane	*34*	*1*	*50.0*	*67 %*	*68-117*	*0I29013*	*EPA 8260B*	*09/29/10 18:08*	*JKG*	*QS-03*
Toluene-d8	*38*	*1*	*50.0*	*76 %*	*69-110*	*0I29013*	*EPA 8260B*	*09/29/10 18:08*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Dup
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-05
Sampled: 09/21/10 00:00
Sampled By: Gerald Paul

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.3**		ug/L	1	0.33	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,1-Dichloroethene [75-35-4] ^	**12**		ug/L	1	0.24	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	5.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	0I29013	EPA 8260B	09/29/10 18:38	JKG	

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Description: Dup
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-05
Sampled: 09/21/10 00:00
Sampled By: Gerald Paul

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	OI29013	EPA 8260B	09/29/10 18:38	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*103 %*	*51-122*	*OI29013*	*EPA 8260B*	*09/29/10 18:38*	*JKG*	
Dibromofluoromethane	*33*	*1*	*50.0*	*66 %*	*68-117*	*OI29013*	*EPA 8260B*	*09/29/10 18:38*	*JKG*	*QS-03*
Toluene-d8	*37*	*1*	*50.0*	*75 %*	*69-110*	*OI29013*	*EPA 8260B*	*09/29/10 18:38*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Equip Blank
Matrix: Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-06
Sampled: 09/21/10 14:00
Sampled By: Gerald Paul

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	5.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	

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Description: Equip Blank
Matrix: Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-06
Sampled: 09/21/10 14:00
Sampled By: Gerald Paul

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	0I29013	EPA 8260B	09/29/10 19:07	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*106 %*	*51-122*	*0I29013*	*EPA 8260B*	*09/29/10 19:07*	*JKG*	
Dibromofluoromethane	*34*	*1*	*50.0*	*68 %*	*68-117*	*0I29013*	*EPA 8260B*	*09/29/10 19:07*	*JKG*	
Toluene-d8	*37*	*1*	*50.0*	*74 %*	*69-110*	*0I29013*	*EPA 8260B*	*09/29/10 19:07*	*JKG*	

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Description: Trip Blank
Matrix: Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-07
Sampled: 09/21/10 12:20
Sampled By: ENCO

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	5.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Acetone [67-64-1] ^	**3.7**	J	ug/L	1	1.5	5.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	

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Description: Trip Blank
Matrix: Water
Project: Atkinson Street Contamination

Lab Sample ID: C011553-07
Sampled: 09/21/10 12:20
Sampled By: ENCO

Received: 09/21/10 15:50
Work Order: C011553

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	0I29013	EPA 8260B	09/29/10 15:38	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*56*	*1*	*50.0*	*113 %*	*51-122*	*0I29013*	*EPA 8260B*	*09/29/10 15:38*	*JKG*	
Dibromofluoromethane	*33*	*1*	*50.0*	*67 %*	*68-117*	*0I29013*	*EPA 8260B*	*09/29/10 15:38*	*JKG*	*QS-03*
Toluene-d8	*38*	*1*	*50.0*	*76 %*	*69-110*	*0I29013*	*EPA 8260B*	*09/29/10 15:38*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I24005 - EPA 5030B_MS

Blank (0I24005-BLK1) Prepared: 09/24/2010 08:56 Analyzed: 09/24/2010 23:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.25	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.20	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.25	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	0.94	U	5.0	ug/L							
2-Chlorotoluene	0.20	U	1.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Chlorotoluene	0.25	U	1.0	ug/L							
4-Isopropyltoluene	0.26	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromobenzene	0.28	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Isopropylbenzene	0.24	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I24005 - EPA 5030B_MS

Blank (0I24005-BLK1) Continued Prepared: 09/24/2010 08:56 Analyzed: 09/24/2010 23:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
m,p-Xylenes	0.48	U	2.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.38	U	1.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
n-Butyl Benzene	0.20	U	1.0	ug/L							
n-Propyl Benzene	0.30	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
sec-Butylbenzene	0.24	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
tert-Butylbenzene	0.28	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*51-122*			
Surrogate: Dibromofluoromethane	*38*			*ug/L*	*50.0*		*75*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*85*	*69-110*			

LCS (0I24005-BS1) Prepared: 09/24/2010 08:56 Analyzed: 09/24/2010 23:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		88	75-133			
Benzene	21		1.0	ug/L	20.0		105	81-134			
Chlorobenzene	21		1.0	ug/L	20.0		105	83-117			
Toluene	20		1.0	ug/L	20.0		101	71-118			
Trichloroethene	20		1.0	ug/L	20.0		99	75-115			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*93*	*51-122*			
Surrogate: Dibromofluoromethane	*39*			*ug/L*	*50.0*		*79*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*87*	*69-110*			

Matrix Spike (0I24005-MS1) Prepared: 09/24/2010 08:56 Analyzed: 09/25/2010 00:22

Source: C011622-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.24 U	83	75-133			
Benzene	20		1.0	ug/L	20.0	0.20 U	98	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	98	83-117			
Toluene	19		1.0	ug/L	20.0	0.27 U	95	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.38 U	94	75-115			
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*90*	*51-122*			
Surrogate: Dibromofluoromethane	*38*			*ug/L*	*50.0*		*75*	*68-117*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*69-110*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I24005 - EPA 5030B_MS

Matrix Spike Dup (0I24005-MSD1) Prepared: 09/24/2010 08:56 Analyzed: 09/25/2010 00:51

Source: C011622-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.24 U	83	75-133	0.1	20	
Benzene	19		1.0	ug/L	20.0	0.20 U	96	81-134	2	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	97	83-117	1	16	
Toluene	19		1.0	ug/L	20.0	0.27 U	94	71-118	1	17	
Trichloroethene	18		1.0	ug/L	20.0	0.38 U	92	75-115	2	18	
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*51-122*			
Surrogate: Dibromofluoromethane	*39*			*ug/L*	*50.0*		*77*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*69-110*			

Batch 0I29013 - EPA 5030B_MS

Blank (0I29013-BLK1) Prepared: 09/29/2010 09:21 Analyzed: 09/29/2010 12:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.25	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.20	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.25	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	0.94	U	5.0	ug/L							
2-Chlorotoluene	0.20	U	1.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Chlorotoluene	0.25	U	1.0	ug/L							
4-Isopropyltoluene	0.26	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromobenzene	0.28	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I29013 - EPA 5030B_MS

Blank (0I29013-BLK1) Continued Prepared: 09/29/2010 09:21 Analyzed: 09/29/2010 12:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Isopropylbenzene	0.24	U	1.0	ug/L							
m,p-Xylenes	0.48	U	2.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.38	U	1.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
n-Butyl Benzene	0.20	U	1.0	ug/L							
n-Propyl Benzene	0.30	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
sec-Butylbenzene	0.24	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
tert-Butylbenzene	0.28	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*102*	*51-122*			
Surrogate: Dibromofluoromethane	*34*			*ug/L*	*50.0*		*68*	*68-117*			
Surrogate: Toluene-d8	*38*			*ug/L*	*50.0*		*75*	*69-110*			

LCS (0I29013-BS1) Prepared: 09/29/2010 09:21 Analyzed: 09/29/2010 13:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		92	75-133			
Benzene	23		1.0	ug/L	20.0		116	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		95	83-117			
Toluene	18		1.0	ug/L	20.0		92	71-118			
Trichloroethene	19		1.0	ug/L	20.0		97	75-115			
Surrogate: 4-Bromofluorobenzene	*54*			*ug/L*	*50.0*		*108*	*51-122*			
Surrogate: Dibromofluoromethane	*35*			*ug/L*	*50.0*		*69*	*68-117*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I29013 - EPA 5030B_MS

LCS (0I29013-BS1) Continued Prepared: 09/29/2010 09:21 Analyzed: 09/29/2010 13:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*39*			*ug/L*	*50.0*		*78*	*69-110*			

Matrix Spike (0I29013-MS1) Prepared: 09/29/2010 09:21 Analyzed: 09/29/2010 13:40

Source: C011709-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.24 U	95	75-133			
Benzene	24		1.0	ug/L	20.0	0.20 U	118	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	95	83-117			
Toluene	18		1.0	ug/L	20.0	0.27 U	92	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.38 U	97	75-115			
Surrogate: 4-Bromofluorobenzene	*53*			*ug/L*	*50.0*		*105*	*51-122*			
Surrogate: Dibromofluoromethane	*34*			*ug/L*	*50.0*		*68*	*68-117*			
Surrogate: Toluene-d8	*38*			*ug/L*	*50.0*		*76*	*69-110*			

Matrix Spike Dup (0I29013-MSD1) Prepared: 09/29/2010 09:21 Analyzed: 09/29/2010 14:10

Source: C011709-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.24 U	93	75-133	2	20	
Benzene	23		1.0	ug/L	20.0	0.20 U	116	81-134	2	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	94	83-117	1	16	
Toluene	18		1.0	ug/L	20.0	0.27 U	89	71-118	3	17	
Trichloroethene	19		1.0	ug/L	20.0	0.38 U	95	75-115	3	18	
Surrogate: 4-Bromofluorobenzene	*53*			*ug/L*	*50.0*		*105*	*51-122*			
Surrogate: Dibromofluoromethane	*34*			*ug/L*	*50.0*		*68*	*68-117*			
Surrogate: Toluene-d8	*38*			*ug/L*	*50.0*		*76*	*69-110*			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QS-03	Surrogate recovery outside acceptance limits

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945
4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct Cary, NC 27511 (919) 467-3050 Fax (919) 467-3515
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Page 1 of 1

Client Name: S&ME, Inc. (SM001)	Project Number: 1054-10-2002
Address: 3201 Spring Forest Road	Project Name/Desc: Atkinson Street Contamination
City/ST/Zip: Raleigh, NC 27616	PO # / Billing Info
Tel: (919) 872-2660 Fax: (919) 876-3958	Reporting Contact: Ed Woloszyn
Sampler(s) Name Affiliation (Print): Gerald Paul Stone	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Site Location / Time Zone: Hamlet, NC

Requested Analyses: 8260B

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due __/__/__

Lab Workorder: 11553 CO ~~10377~~

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B	Sample Comments
	DMW-1	9/21/10	1220	GRAB	GW	3	X	
	DMW-2	↓	1126	↓	GW	3	X	
	DMW-3	↓	1038	↓	GW	3	X	
	SMW-3	↓	1310	↓	GW	3	X	
	~~Haught Residence - WSW-1~~				~~GW~~	~~3~~	~~X~~	No Sample
	~~Jernigan Residence - WSW-2~~				~~GW~~	~~3~~	~~X~~	No Sample
	~~Butler Residence - WSW-3~~				~~GW~~	~~3~~	~~X~~	No Sample
	Dup	↓	—	↓	GW	3	X	
	Equip Blank	↓	1400	↓	WA	3	X	
	Trip Blank	—	—	—	WA	2	X	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By: [signature]	Date/Time: 9/21/10 1550	Received By: [signature]	Date/Time: 9/21/10 1550
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 2.4°C		Condition Upon Receipt: ✓ Acceptable ___ Unacceptable	

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

www.encolabs.com

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Tuesday, September 28, 2010

S&ME, Inc. (SM001)

Attn: Ed Woloszyn

3201 Spring Forest Road

Raleigh, NC 27616

RE: Laboratory Results for
Project Number: 1054-10-2002, Project Name/Desc: Atkinson Street Contamination
ENCO Workorder: C011145

Dear Ed Woloszyn,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, September 17, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 22.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	DMW-1 (13-15')	Lab ID: C011145-01	Sampled: 09/14/10 16:00	Received: 09/17/10 18:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 8260B	09/28/10	09/23/10 07:51	9/23/2010 16:25	

Client ID:	DMW-2 (8.5-10')	Lab ID: C011145-02	Sampled: 09/16/10 09:45	Received: 09/17/10 18:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 8260B	09/30/10	09/23/10 07:51	9/23/2010 16:54	

Client ID:	DMW-3 (8.5-10')	Lab ID: C011145-03	Sampled: 09/17/10 09:00	Received: 09/17/10 18:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 8260B	10/01/10	09/23/10 07:51	9/23/2010 17:23	

Client ID:	SMW-3 (13-15')	Lab ID: C011145-04	Sampled: 09/13/10 13:30	Received: 09/17/10 18:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 8260B	09/27/10	09/23/10 07:51	9/23/2010 17:52	

Client ID:	Trip Blank	Lab ID: C011145-05	Sampled: 09/14/10 16:00	Received: 09/17/10 18:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 8260B	09/28/10	09/23/10 12:28	9/23/2010 19:12	

Client ID:	Duplicate Soil	Lab ID: C011145-06	Sampled: 09/17/10 00:00	Received: 09/17/10 18:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 8260B	10/01/10	09/23/10 07:51	9/23/2010 18:21	

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SAMPLE DETECTION SUMMARY

Client ID: DMW-1 (13-15') **Lab ID: C011145-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.011		0.0011	0.0047	mg/kg dry	EPA 8260B	
Naphthalene	0.00087	J	0.00023	0.00095	mg/kg dry	EPA 8260B	

Client ID: DMW-2 (8.5-10') **Lab ID: C011145-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.0056		0.0012	0.0050	mg/kg dry	EPA 8260B	

Client ID: DMW-3 (8.5-10') **Lab ID: C011145-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Tetrachloroethene	0.00046	J	0.00026	0.00093	mg/kg dry	EPA 8260B	

Client ID: SMW-3 (13-15') **Lab ID: C011145-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.0055	J	0.0013	0.0056	mg/kg dry	EPA 8260B	
Tetrachloroethene	0.00072	J	0.00031	0.0011	mg/kg dry	EPA 8260B	

Client ID: Duplicate Soil **Lab ID: C011145-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.0071		0.0011	0.0046	mg/kg dry	EPA 8260B	
Toluene	0.00040	J	0.00018	0.00091	mg/kg dry	EPA 8260B	

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ANALYTICAL RESULTS

Description: DMW-1 (13-15')
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C011145-01
Sampled: 09/14/10 16:00
Sampled By: Gerald Paul

Received: 09/17/10 18:30
Work Order: C011145
% Solids: 85.5

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00019	U	mg/kg dry	1	0.00019	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00022	U	mg/kg dry	1	0.00022	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00030	U	mg/kg dry	1	0.00030	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00032	U	mg/kg dry	1	0.00032	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00026	U	mg/kg dry	1	0.00026	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00075	U	mg/kg dry	1	0.00075	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00044	U	mg/kg dry	1	0.00044	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00026	U	mg/kg dry	1	0.00026	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00036	U	mg/kg dry	1	0.00036	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00025	U	mg/kg dry	1	0.00025	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00019	U	mg/kg dry	1	0.00019	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00021	U	mg/kg dry	1	0.00021	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00027	U	mg/kg dry	1	0.00027	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00019	U	mg/kg dry	1	0.00019	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00022	U	mg/kg dry	1	0.00022	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
2-Butanone [78-93-3] ^	0.00074	U	mg/kg dry	1	0.00074	0.0047	0I23003	EPA 8260B	09/23/10 16:25	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00046	U	mg/kg dry	1	0.00046	0.0047	0I23003	EPA 8260B	09/23/10 16:25	JKG	
2-Chlorotoluene [95-49-8] ^	0.00017	U	mg/kg dry	1	0.00017	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
2-Hexanone [591-78-6] ^	0.00071	U	mg/kg dry	1	0.00071	0.0047	0I23003	EPA 8260B	09/23/10 16:25	JKG	
4-Chlorotoluene [106-43-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00054	U	mg/kg dry	1	0.00054	0.0047	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Acetone [67-64-1] ^	**0.011**		mg/kg dry	1	0.0011	0.0047	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Benzene [71-43-2] ^	0.00016	U	mg/kg dry	1	0.00016	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Bromobenzene [108-86-1] ^	0.00021	U	mg/kg dry	1	0.00021	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Bromochloromethane [74-97-5] ^	0.00039	U	mg/kg dry	1	0.00039	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Bromodichloromethane [75-27-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Bromoform [75-25-2] ^	0.00043	U	mg/kg dry	1	0.00043	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Bromomethane [74-83-9] ^	0.00022	U	mg/kg dry	1	0.00022	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Carbon disulfide [75-15-0] ^	0.00037	U	mg/kg dry	1	0.00037	0.0047	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00021	U	mg/kg dry	1	0.00021	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Chlorobenzene [108-90-7] ^	0.00016	U	mg/kg dry	1	0.00016	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Chloroethane [75-00-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Chloroform [67-66-3] ^	0.00016	U	mg/kg dry	1	0.00016	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Chloromethane [74-87-3] ^	0.00014	U	mg/kg dry	1	0.00014	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00022	U	mg/kg dry	1	0.00022	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00012	U	mg/kg dry	1	0.00012	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Dibromochloromethane [124-48-1] ^	0.00033	U	mg/kg dry	1	0.00033	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Dibromomethane [74-95-3] ^	0.00029	U	mg/kg dry	1	0.00029	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00043	U	mg/kg dry	1	0.00043	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Ethylbenzene [100-41-4] ^	0.00019	U	mg/kg dry	1	0.00019	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00033	U	mg/kg dry	1	0.00033	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	

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Description: DMW-1 (13-15')
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C011145-01
Sampled: 09/14/10 16:00
Sampled By: Gerald Paul

Received: 09/17/10 18:30
Work Order: C011145
% Solids: 85.5

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Isopropylbenzene [98-82-8] ^	0.00014	U	mg/kg dry	1	0.00014	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00035	U	mg/kg dry	1	0.00035	0.0019	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Methylene Chloride [75-09-2] ^	0.00053	U	mg/kg dry	1	0.00053	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Naphthalene [91-20-3] ^	**0.00087**	J	mg/kg dry	1	0.00023	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
n-Butyl Benzene [104-51-8] ^	0.00021	U	mg/kg dry	1	0.00021	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
n-Propyl Benzene [103-65-1] ^	0.00017	U	mg/kg dry	1	0.00017	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
o-Xylene [95-47-6] ^	0.00021	U	mg/kg dry	1	0.00021	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
sec-Butylbenzene [135-98-8] ^	0.00021	U	mg/kg dry	1	0.00021	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Styrene [100-42-5] ^	0.00016	U	mg/kg dry	1	0.00016	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
tert-Butylbenzene [98-06-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Tetrachloroethene [127-18-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Toluene [108-88-3] ^	0.00019	U	mg/kg dry	1	0.00019	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00035	U	mg/kg dry	1	0.00035	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00037	U	mg/kg dry	1	0.00037	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Trichloroethene [79-01-6] ^	0.00026	U	mg/kg dry	1	0.00026	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Vinyl chloride [75-01-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	
Xylenes (Total) [1330-20-7] ^	0.00053	U	mg/kg dry	1	0.00053	0.00095	0I23003	EPA 8260B	09/23/10 16:25	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*61-118*	*0I23003*	*EPA 8260B*	*09/23/10 16:25*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*66-114*	*0I23003*	*EPA 8260B*	*09/23/10 16:25*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*63-118*	*0I23003*	*EPA 8260B*	*09/23/10 16:25*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: DMW-2 (8.5-10')
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C011145-02
Sampled: 09/16/10 09:45
Sampled By: Gerald Paul

Received: 09/17/10 18:30
Work Order: C011145
% Solids: 86.0

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00023	U	mg/kg dry	1	0.00023	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00025	U	mg/kg dry	1	0.00025	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00030	U	mg/kg dry	1	0.00030	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00032	U	mg/kg dry	1	0.00032	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00021	U	mg/kg dry	1	0.00021	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00034	U	mg/kg dry	1	0.00034	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00027	U	mg/kg dry	1	0.00027	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00078	U	mg/kg dry	1	0.00078	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00046	U	mg/kg dry	1	0.00046	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00027	U	mg/kg dry	1	0.00027	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00038	U	mg/kg dry	1	0.00038	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00026	U	mg/kg dry	1	0.00026	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00029	U	mg/kg dry	1	0.00029	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00023	U	mg/kg dry	1	0.00023	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
2-Butanone [78-93-3] ^	0.00077	U	mg/kg dry	1	0.00077	0.0050	0I23003	EPA 8260B	09/23/10 16:54	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00049	U	mg/kg dry	1	0.00049	0.0050	0I23003	EPA 8260B	09/23/10 16:54	JKG	
2-Chlorotoluene [95-49-8] ^	0.00018	U	mg/kg dry	1	0.00018	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
2-Hexanone [591-78-6] ^	0.00074	U	mg/kg dry	1	0.00074	0.0050	0I23003	EPA 8260B	09/23/10 16:54	JKG	
4-Chlorotoluene [106-43-4] ^	0.00026	U	mg/kg dry	1	0.00026	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00056	U	mg/kg dry	1	0.00056	0.0050	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Acetone [67-64-1] ^	**0.0056**		mg/kg dry	1	0.0012	0.0050	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Benzene [71-43-2] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Bromobenzene [108-86-1] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Bromochloromethane [74-97-5] ^	0.00041	U	mg/kg dry	1	0.00041	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Bromodichloromethane [75-27-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Bromoform [75-25-2] ^	0.00045	U	mg/kg dry	1	0.00045	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Bromomethane [74-83-9] ^	0.00023	U	mg/kg dry	1	0.00023	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Carbon disulfide [75-15-0] ^	0.00039	U	mg/kg dry	1	0.00039	0.0050	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Chlorobenzene [108-90-7] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Chloroethane [75-00-3] ^	0.00025	U	mg/kg dry	1	0.00025	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Chloroform [67-66-3] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Chloromethane [74-87-3] ^	0.00015	U	mg/kg dry	1	0.00015	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00023	U	mg/kg dry	1	0.00023	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00013	U	mg/kg dry	1	0.00013	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Dibromochloromethane [124-48-1] ^	0.00035	U	mg/kg dry	1	0.00035	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Dibromomethane [74-95-3] ^	0.00031	U	mg/kg dry	1	0.00031	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00045	U	mg/kg dry	1	0.00045	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Ethylbenzene [100-41-4] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00035	U	mg/kg dry	1	0.00035	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Isopropylbenzene [98-82-8] ^	0.00015	U	mg/kg dry	1	0.00015	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00037	U	mg/kg dry	1	0.00037	0.0020	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Methylene Chloride [75-09-2] ^	0.00055	U	mg/kg dry	1	0.00055	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	

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Description: DMW-2 (8.5-10')
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C011145-02
Sampled: 09/16/10 09:45
Sampled By: Gerald Paul

Received: 09/17/10 18:30
Work Order: C011145
% Solids: 86.0

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00030	U	mg/kg dry	1	0.00030	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Naphthalene [91-20-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
n-Butyl Benzene [104-51-8] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
n-Propyl Benzene [103-65-1] ^	0.00018	U	mg/kg dry	1	0.00018	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
o-Xylene [95-47-6] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
sec-Butylbenzene [135-98-8] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Styrene [100-42-5] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
tert-Butylbenzene [98-06-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Tetrachloroethene [127-18-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Toluene [108-88-3] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00037	U	mg/kg dry	1	0.00037	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00039	U	mg/kg dry	1	0.00039	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Trichloroethene [79-01-6] ^	0.00027	U	mg/kg dry	1	0.00027	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00026	U	mg/kg dry	1	0.00026	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Vinyl chloride [75-01-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	
Xylenes (Total) [1330-20-7] ^	0.00055	U	mg/kg dry	1	0.00055	0.00099	0I23003	EPA 8260B	09/23/10 16:54	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*61-118*	*0I23003*	*EPA 8260B*	*09/23/10 16:54*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*83 %*	*66-114*	*0I23003*	*EPA 8260B*	*09/23/10 16:54*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*63-118*	*0I23003*	*EPA 8260B*	*09/23/10 16:54*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: DMW-3 (8.5-10')
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C011145-03
Sampled: 09/17/10 09:00
Sampled By: Gerald Paul

Received: 09/17/10 18:30
Work Order: C011145
% Solids: 87.2

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00019	U	mg/kg dry	1	0.00019	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00021	U	mg/kg dry	1	0.00021	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00023	U	mg/kg dry	1	0.00023	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00030	U	mg/kg dry	1	0.00030	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00032	U	mg/kg dry	1	0.00032	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00025	U	mg/kg dry	1	0.00025	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00073	U	mg/kg dry	1	0.00073	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00043	U	mg/kg dry	1	0.00043	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00025	U	mg/kg dry	1	0.00025	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00035	U	mg/kg dry	1	0.00035	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00024	U	mg/kg dry	1	0.00024	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00019	U	mg/kg dry	1	0.00019	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00020	U	mg/kg dry	1	0.00020	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00027	U	mg/kg dry	1	0.00027	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00019	U	mg/kg dry	1	0.00019	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00021	U	mg/kg dry	1	0.00021	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
2-Butanone [78-93-3] ^	0.00072	U	mg/kg dry	1	0.00072	0.0046	0I23003	EPA 8260B	09/23/10 17:23	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00046	U	mg/kg dry	1	0.00046	0.0046	0I23003	EPA 8260B	09/23/10 17:23	JKG	
2-Chlorotoluene [95-49-8] ^	0.00017	U	mg/kg dry	1	0.00017	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
2-Hexanone [591-78-6] ^	0.00070	U	mg/kg dry	1	0.00070	0.0046	0I23003	EPA 8260B	09/23/10 17:23	JKG	
4-Chlorotoluene [106-43-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00053	U	mg/kg dry	1	0.00053	0.0046	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Acetone [67-64-1] ^	0.0011	U	mg/kg dry	1	0.0011	0.0046	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Benzene [71-43-2] ^	0.00016	U	mg/kg dry	1	0.00016	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Bromobenzene [108-86-1] ^	0.00020	U	mg/kg dry	1	0.00020	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Bromochloromethane [74-97-5] ^	0.00038	U	mg/kg dry	1	0.00038	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Bromodichloromethane [75-27-4] ^	0.00022	U	mg/kg dry	1	0.00022	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Bromoform [75-25-2] ^	0.00042	U	mg/kg dry	1	0.00042	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Bromomethane [74-83-9] ^	0.00021	U	mg/kg dry	1	0.00021	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Carbon disulfide [75-15-0] ^	0.00036	U	mg/kg dry	1	0.00036	0.0046	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00020	U	mg/kg dry	1	0.00020	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Chlorobenzene [108-90-7] ^	0.00016	U	mg/kg dry	1	0.00016	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Chloroethane [75-00-3] ^	0.00023	U	mg/kg dry	1	0.00023	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Chloroform [67-66-3] ^	0.00016	U	mg/kg dry	1	0.00016	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Chloromethane [74-87-3] ^	0.00014	U	mg/kg dry	1	0.00014	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00021	U	mg/kg dry	1	0.00021	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00012	U	mg/kg dry	1	0.00012	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Dibromochloromethane [124-48-1] ^	0.00033	U	mg/kg dry	1	0.00033	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Dibromomethane [74-95-3] ^	0.00029	U	mg/kg dry	1	0.00029	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00042	U	mg/kg dry	1	0.00042	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Ethylbenzene [100-41-4] ^	0.00019	U	mg/kg dry	1	0.00019	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00033	U	mg/kg dry	1	0.00033	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Isopropylbenzene [98-82-8] ^	0.00014	U	mg/kg dry	1	0.00014	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00034	U	mg/kg dry	1	0.00034	0.0019	0I23003	EPA 8260B	09/23/10 17:23	JKG	
Methylene Chloride [75-09-2] ^	0.00052	U	mg/kg dry	1	0.00052	0.00093	0I23003	EPA 8260B	09/23/10 17:23	JKG	

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Description: DMW-3 (8.5-10')
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C011145-03
Sampled: 09/17/10 09:00
Sampled By: Gerald Paul

Received: 09/17/10 18:30
Work Order: C011145
% Solids: 87.2

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
Naphthalene [91-20-3] ^	0.00022	U	mg/kg dry	1	0.00022	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
n-Butyl Benzene [104-51-8] ^	0.00020	U	mg/kg dry	1	0.00020	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
n-Propyl Benzene [103-65-1] ^	0.00017	U	mg/kg dry	1	0.00017	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
o-Xylene [95-47-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
sec-Butylbenzene [135-98-8] ^	0.00020	U	mg/kg dry	1	0.00020	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
Styrene [100-42-5] ^	0.00016	U	mg/kg dry	1	0.00016	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
tert-Butylbenzene [98-06-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
Tetrachloroethene [127-18-4] ^	**0.00046**	J	mg/kg dry	1	0.00026	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
Toluene [108-88-3] ^	0.00019	U	mg/kg dry	1	0.00019	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00034	U	mg/kg dry	1	0.00034	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00036	U	mg/kg dry	1	0.00036	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
Trichloroethene [79-01-6] ^	0.00025	U	mg/kg dry	1	0.00025	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
Vinyl chloride [75-01-4] ^	0.00022	U	mg/kg dry	1	0.00022	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	
Xylenes (Total) [1330-20-7] ^	0.00052	U	mg/kg dry	1	0.00052	0.00093	OI23003	EPA 8260B	09/23/10 17:23	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*61-118*	*OI23003*	*EPA 8260B*	*09/23/10 17:23*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*83 %*	*66-114*	*OI23003*	*EPA 8260B*	*09/23/10 17:23*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*63-118*	*OI23003*	*EPA 8260B*	*09/23/10 17:23*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: SMW-3 (13-15')
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C011145-04
Sampled: 09/13/10 13:30
Sampled By: Gerald Paul

Received: 09/17/10 18:30
Work Order: C011145
% Solids: 89.8

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00028	U	mg/kg dry	1	0.00028	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00033	U	mg/kg dry	1	0.00033	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00036	U	mg/kg dry	1	0.00036	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00023	U	mg/kg dry	1	0.00023	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00038	U	mg/kg dry	1	0.00038	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00030	U	mg/kg dry	1	0.00030	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00019	U	mg/kg dry	1	0.00019	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00088	U	mg/kg dry	1	0.00088	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00051	U	mg/kg dry	1	0.00051	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00030	U	mg/kg dry	1	0.00030	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00042	U	mg/kg dry	1	0.00042	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00029	U	mg/kg dry	1	0.00029	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00032	U	mg/kg dry	1	0.00032	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
2-Butanone [78-93-3] ^	0.00087	U	mg/kg dry	1	0.00087	0.0056	0I23003	EPA 8260B	09/23/10 17:52	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00055	U	mg/kg dry	1	0.00055	0.0056	0I23003	EPA 8260B	09/23/10 17:52	JKG	
2-Chlorotoluene [95-49-8] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
2-Hexanone [591-78-6] ^	0.00084	U	mg/kg dry	1	0.00084	0.0056	0I23003	EPA 8260B	09/23/10 17:52	JKG	
4-Chlorotoluene [106-43-4] ^	0.00029	U	mg/kg dry	1	0.00029	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00063	U	mg/kg dry	1	0.00063	0.0056	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Acetone [67-64-1] ^	**0.0055**	J	mg/kg dry	1	0.0013	0.0056	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Benzene [71-43-2] ^	0.00019	U	mg/kg dry	1	0.00019	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Bromobenzene [108-86-1] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Bromochloromethane [74-97-5] ^	0.00046	U	mg/kg dry	1	0.00046	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Bromodichloromethane [75-27-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Bromoform [75-25-2] ^	0.00050	U	mg/kg dry	1	0.00050	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Bromomethane [74-83-9] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Carbon disulfide [75-15-0] ^	0.00043	U	mg/kg dry	1	0.00043	0.0056	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Chlorobenzene [108-90-7] ^	0.00019	U	mg/kg dry	1	0.00019	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Chloroethane [75-00-3] ^	0.00028	U	mg/kg dry	1	0.00028	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Chloroform [67-66-3] ^	0.00019	U	mg/kg dry	1	0.00019	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Chloromethane [74-87-3] ^	0.00017	U	mg/kg dry	1	0.00017	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00014	U	mg/kg dry	1	0.00014	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Dibromochloromethane [124-48-1] ^	0.00039	U	mg/kg dry	1	0.00039	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Dibromomethane [74-95-3] ^	0.00035	U	mg/kg dry	1	0.00035	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00050	U	mg/kg dry	1	0.00050	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Ethylbenzene [100-41-4] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00039	U	mg/kg dry	1	0.00039	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Isopropylbenzene [98-82-8] ^	0.00017	U	mg/kg dry	1	0.00017	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00041	U	mg/kg dry	1	0.00041	0.0022	0I23003	EPA 8260B	09/23/10 17:52	JKG	
Methylene Chloride [75-09-2] ^	0.00062	U	mg/kg dry	1	0.00062	0.0011	0I23003	EPA 8260B	09/23/10 17:52	JKG	

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Description: SMW-3 (13-15')
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C011145-04
Sampled: 09/13/10 13:30
Sampled By: Gerald Paul

Received: 09/17/10 18:30
Work Order: C011145
% Solids: 89.8

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00033	U	mg/kg dry	1	0.00033	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
Naphthalene [91-20-3] ^	0.00027	U	mg/kg dry	1	0.00027	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
n-Butyl Benzene [104-51-8] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
n-Propyl Benzene [103-65-1] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
o-Xylene [95-47-6] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
sec-Butylbenzene [135-98-8] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
Styrene [100-42-5] ^	0.00019	U	mg/kg dry	1	0.00019	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
tert-Butylbenzene [98-06-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
Tetrachloroethene [127-18-4] ^	**0.00072**	J	mg/kg dry	1	0.00031	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
Toluene [108-88-3] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00041	U	mg/kg dry	1	0.00041	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00043	U	mg/kg dry	1	0.00043	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
Trichloroethene [79-01-6] ^	0.00030	U	mg/kg dry	1	0.00030	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00029	U	mg/kg dry	1	0.00029	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
Vinyl chloride [75-01-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	
Xylenes (Total) [1330-20-7] ^	0.00062	U	mg/kg dry	1	0.00062	0.0011	OI23003	EPA 8260B	09/23/10 17:52	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*61-118*	*OI23003*	*EPA 8260B*	*09/23/10 17:52*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*66-114*	*OI23003*	*EPA 8260B*	*09/23/10 17:52*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*91 %*	*63-118*	*OI23003*	*EPA 8260B*	*09/23/10 17:52*	*JKG*	

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Description: Trip Blank
Matrix: Water
Project: Atkinson Street Contamination

Lab Sample ID: C011145-05
Sampled: 09/14/10 16:00
Sampled By: Ed Woloszyn

Received: 09/17/10 18:30
Work Order: C011145

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	5.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	

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Description: Trip Blank
Matrix: Water
Project: Atkinson Street Contamination

Lab Sample ID: C011145-05
Sampled: 09/14/10 16:00
Sampled By: Ed Woloszyn

Received: 09/17/10 18:30
Work Order: C011145

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	0I23023	EPA 8260B	09/23/10 19:12	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*51-122*	*0I23023*	*EPA 8260B*	*09/23/10 19:12*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*68-117*	*0I23023*	*EPA 8260B*	*09/23/10 19:12*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*97 %*	*69-110*	*0I23023*	*EPA 8260B*	*09/23/10 19:12*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Duplicate Soil
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C011145-06
Sampled: 09/17/10 00:00
Sampled By: Gerald Paul

Received: 09/17/10 18:30
Work Order: C011145
% Solids: 86.9

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00018	U	mg/kg dry	1	0.00018	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00021	U	mg/kg dry	1	0.00021	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00023	U	mg/kg dry	1	0.00023	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00029	U	mg/kg dry	1	0.00029	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00019	U	mg/kg dry	1	0.00019	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00031	U	mg/kg dry	1	0.00031	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00025	U	mg/kg dry	1	0.00025	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00072	U	mg/kg dry	1	0.00072	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00042	U	mg/kg dry	1	0.00042	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00025	U	mg/kg dry	1	0.00025	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00035	U	mg/kg dry	1	0.00035	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00024	U	mg/kg dry	1	0.00024	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00018	U	mg/kg dry	1	0.00018	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00020	U	mg/kg dry	1	0.00020	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00026	U	mg/kg dry	1	0.00026	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00018	U	mg/kg dry	1	0.00018	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00021	U	mg/kg dry	1	0.00021	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
2-Butanone [78-93-3] ^	0.00071	U	mg/kg dry	1	0.00071	0.0046	0I23003	EPA 8260B	09/23/10 18:21	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00045	U	mg/kg dry	1	0.00045	0.0046	0I23003	EPA 8260B	09/23/10 18:21	JKG	
2-Chlorotoluene [95-49-8] ^	0.00016	U	mg/kg dry	1	0.00016	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
2-Hexanone [591-78-6] ^	0.00068	U	mg/kg dry	1	0.00068	0.0046	0I23003	EPA 8260B	09/23/10 18:21	JKG	
4-Chlorotoluene [106-43-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00052	U	mg/kg dry	1	0.00052	0.0046	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Acetone [67-64-1] ^	**0.0071**		mg/kg dry	1	0.0011	0.0046	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Benzene [71-43-2] ^	0.00016	U	mg/kg dry	1	0.00016	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Bromobenzene [108-86-1] ^	0.00020	U	mg/kg dry	1	0.00020	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Bromochloromethane [74-97-5] ^	0.00037	U	mg/kg dry	1	0.00037	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Bromodichloromethane [75-27-4] ^	0.00022	U	mg/kg dry	1	0.00022	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Bromoform [75-25-2] ^	0.00041	U	mg/kg dry	1	0.00041	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Bromomethane [74-83-9] ^	0.00021	U	mg/kg dry	1	0.00021	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Carbon disulfide [75-15-0] ^	0.00036	U	mg/kg dry	1	0.00036	0.0046	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00020	U	mg/kg dry	1	0.00020	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Chlorobenzene [108-90-7] ^	0.00016	U	mg/kg dry	1	0.00016	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Chloroethane [75-00-3] ^	0.00023	U	mg/kg dry	1	0.00023	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Chloroform [67-66-3] ^	0.00016	U	mg/kg dry	1	0.00016	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Chloromethane [74-87-3] ^	0.00014	U	mg/kg dry	1	0.00014	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00021	U	mg/kg dry	1	0.00021	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00012	U	mg/kg dry	1	0.00012	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Dibromochloromethane [124-48-1] ^	0.00032	U	mg/kg dry	1	0.00032	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Dibromomethane [74-95-3] ^	0.00028	U	mg/kg dry	1	0.00028	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00041	U	mg/kg dry	1	0.00041	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Ethylbenzene [100-41-4] ^	0.00018	U	mg/kg dry	1	0.00018	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00032	U	mg/kg dry	1	0.00032	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Isopropylbenzene [98-82-8] ^	0.00014	U	mg/kg dry	1	0.00014	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00034	U	mg/kg dry	1	0.00034	0.0018	0I23003	EPA 8260B	09/23/10 18:21	JKG	
Methylene Chloride [75-09-2] ^	0.00051	U	mg/kg dry	1	0.00051	0.00091	0I23003	EPA 8260B	09/23/10 18:21	JKG	

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Description: Duplicate Soil
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C011145-06
Sampled: 09/17/10 00:00
Sampled By: Gerald Paul

Received: 09/17/10 18:30
Work Order: C011145
% Solids: 86.9

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
Naphthalene [91-20-3] ^	0.00022	U	mg/kg dry	1	0.00022	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
n-Butyl Benzene [104-51-8] ^	0.00020	U	mg/kg dry	1	0.00020	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
n-Propyl Benzene [103-65-1] ^	0.00016	U	mg/kg dry	1	0.00016	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
o-Xylene [95-47-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
sec-Butylbenzene [135-98-8] ^	0.00020	U	mg/kg dry	1	0.00020	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
Styrene [100-42-5] ^	0.00016	U	mg/kg dry	1	0.00016	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
tert-Butylbenzene [98-06-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
Tetrachloroethene [127-18-4] ^	0.00026	U	mg/kg dry	1	0.00026	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
Toluene [108-88-3] ^	**0.00040**	J	mg/kg dry	1	0.00018	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00034	U	mg/kg dry	1	0.00034	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00036	U	mg/kg dry	1	0.00036	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
Trichloroethene [79-01-6] ^	0.00025	U	mg/kg dry	1	0.00025	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
Vinyl chloride [75-01-4] ^	0.00022	U	mg/kg dry	1	0.00022	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	
Xylenes (Total) [1330-20-7] ^	0.00051	U	mg/kg dry	1	0.00051	0.00091	OI23003	EPA 8260B	09/23/10 18:21	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*61-118*	*OI23003*	*EPA 8260B*	*09/23/10 18:21*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*83 %*	*66-114*	*OI23003*	*EPA 8260B*	*09/23/10 18:21*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*63-118*	*OI23003*	*EPA 8260B*	*09/23/10 18:21*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I23003 - EPA 5035_MS

Blank (0I23003-BLK1) Prepared: 09/23/2010 07:51 Analyzed: 09/23/2010 11:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.00016	U	0.0010	mg/kg wet							
1,1,1-Trichloroethane	0.00018	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.00020	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.00023	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.00030	U	0.0010	mg/kg wet							
1,1-Dichloropropene	0.00032	U	0.0010	mg/kg wet							
1,2,3-Trichlorobenzene	0.00021	U	0.0010	mg/kg wet							
1,2,3-Trichloropropane	0.00034	U	0.0010	mg/kg wet							
1,2,4-Trichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2,4-Trimethylbenzene	0.00017	U	0.0010	mg/kg wet							
1,2-Dibromo-3-chloropropane	0.00079	U	0.0010	mg/kg wet							
1,2-Dibromoethane	0.00046	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.00038	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.00026	U	0.0010	mg/kg wet							
1,3,5-Trimethylbenzene	0.00020	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.00022	U	0.0010	mg/kg wet							
1,3-Dichloropropane	0.00029	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.00020	U	0.0010	mg/kg wet							
2,2-Dichloropropane	0.00023	U	0.0010	mg/kg wet							
2-Butanone	0.00078	U	0.0050	mg/kg wet							
2-Chloroethyl Vinyl Ether	0.00049	U	0.0050	mg/kg wet							
2-Chlorotoluene	0.00018	U	0.0010	mg/kg wet							
2-Hexanone	0.00075	U	0.0050	mg/kg wet							
4-Chlorotoluene	0.00026	U	0.0010	mg/kg wet							
4-Isopropyltoluene	0.00016	U	0.0010	mg/kg wet							
4-Methyl-2-pentanone	0.00057	U	0.0050	mg/kg wet							
Acetone	0.0012	U	0.0050	mg/kg wet							
Benzene	0.00017	U	0.0010	mg/kg wet							
Bromobenzene	0.00022	U	0.0010	mg/kg wet							
Bromochloromethane	0.00041	U	0.0010	mg/kg wet							
Bromodichloromethane	0.00024	U	0.0010	mg/kg wet							
Bromoform	0.00045	U	0.0010	mg/kg wet							
Bromomethane	0.00023	U	0.0010	mg/kg wet							
Carbon disulfide	0.00039	U	0.0050	mg/kg wet							
Carbon Tetrachloride	0.00022	U	0.0010	mg/kg wet							
Chlorobenzene	0.00017	U	0.0010	mg/kg wet							
Chloroethane	0.00025	U	0.0010	mg/kg wet							
Chloroform	0.00017	U	0.0010	mg/kg wet							
Chloromethane	0.00015	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.00023	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.00013	U	0.0010	mg/kg wet							
Dibromochloromethane	0.00035	U	0.0010	mg/kg wet							
Dibromomethane	0.00031	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.00045	U	0.0010	mg/kg wet							
Ethylbenzene	0.00020	U	0.0010	mg/kg wet							
Hexachlorobutadiene	0.00035	U	0.0010	mg/kg wet							
Isopropylbenzene	0.00015	U	0.0010	mg/kg wet							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I23003 - EPA 5035_MS

Blank (0I23003-BLK1) Continued Prepared: 09/23/2010 07:51 Analyzed: 09/23/2010 11:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
m,p-Xylenes	0.00037	U	0.0020	mg/kg wet							
Methylene Chloride	0.00056	U	0.0010	mg/kg wet							
Methyl-tert-Butyl Ether	0.00030	U	0.0010	mg/kg wet							
Naphthalene	0.00024	U	0.0010	mg/kg wet							
n-Butyl Benzene	0.00022	U	0.0010	mg/kg wet							
n-Propyl Benzene	0.00018	U	0.0010	mg/kg wet							
o-Xylene	0.00022	U	0.0010	mg/kg wet							
sec-Butylbenzene	0.00022	U	0.0010	mg/kg wet							
Styrene	0.00017	U	0.0010	mg/kg wet							
tert-Butylbenzene	0.00016	U	0.0010	mg/kg wet							
Tetrachloroethene	0.00028	U	0.0010	mg/kg wet							
Toluene	0.00020	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.00037	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.00039	U	0.0010	mg/kg wet							
Trichloroethene	0.00027	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.00026	U	0.0010	mg/kg wet							
Vinyl chloride	0.00024	U	0.0010	mg/kg wet							
Xylenes (Total)	0.00056	U	0.0010	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*93*	*61-118*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*66-114*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*63-118*			

LCS (0I23003-BS1) Prepared: 09/23/2010 07:51 Analyzed: 09/23/2010 12:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		100	64-133			
Benzene	18		1.0	ug/L	20.0		92	79-129			
Chlorobenzene	18		1.0	ug/L	20.0		92	79-121			
Toluene	19		1.0	ug/L	20.0		94	77-120			
Trichloroethene	19		1.0	ug/L	20.0		94	78-118			
Surrogate: 4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*93*	*61-118*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*93*	*66-114*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*63-118*			

Matrix Spike (0I23003-MS1) Prepared: 09/23/2010 07:51 Analyzed: 09/23/2010 12:35

Source: C011560-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.30 U	92	64-133			
Benzene	17		1.0	ug/L	20.0	0.17 U	85	79-129			
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	89	79-121			
Toluene	17		1.0	ug/L	20.0	0.40	84	77-120			
Trichloroethene	18		1.0	ug/L	20.0	0.27 U	88	78-118			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*61-118*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*66-114*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*63-118*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I23003 - EPA 5035_MS

Matrix Spike Dup (0I23003-MSD1) Prepared: 09/23/2010 07:51 Analyzed: 09/23/2010 13:04

Source: C011560-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.30 U	95	64-133	3	23	
Benzene	18		1.0	ug/L	20.0	0.17 U	90	79-129	6	23	
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	91	79-121	2	25	
Toluene	18		1.0	ug/L	20.0	0.40	87	77-120	4	23	
Trichloroethene	18		1.0	ug/L	20.0	0.27 U	91	78-118	3	24	
Surrogate: 4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*94*	*61-118*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*66-114*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*63-118*			

Batch 0I23023 - EPA 5030B_MS

Blank (0I23023-BLK1) Prepared: 09/23/2010 12:28 Analyzed: 09/23/2010 16:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.25	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.20	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.25	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	0.94	U	5.0	ug/L							
2-Chlorotoluene	0.20	U	1.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Chlorotoluene	0.25	U	1.0	ug/L							
4-Isopropyltoluene	0.26	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromobenzene	0.28	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I23023 - EPA 5030B_MS

Blank (0I23023-BLK1) Continued Prepared: 09/23/2010 12:28 Analyzed: 09/23/2010 16:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Isopropylbenzene	0.24	U	1.0	ug/L							
m,p-Xylenes	0.48	U	2.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.38	U	1.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
n-Butyl Benzene	0.20	U	1.0	ug/L							
n-Propyl Benzene	0.30	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
sec-Butylbenzene	0.24	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
tert-Butylbenzene	0.28	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*87*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*91*	*68-117*			
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*95*	*69-110*			

LCS (0I23023-BS1) Prepared: 09/23/2010 12:28 Analyzed: 09/23/2010 17:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		104	75-133			
Benzene	23		1.0	ug/L	20.0		116	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		99	83-117			
Toluene	20		1.0	ug/L	20.0		100	71-118			
Trichloroethene	20		1.0	ug/L	20.0		102	75-115			
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*51-122*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*68-117*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I23023 - EPA 5030B_MS

LCS (0I23023-BS1) Continued Prepared: 09/23/2010 12:28 Analyzed: 09/23/2010 17:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*95*	*69-110*			

Matrix Spike (0I23023-MS1) Prepared: 09/23/2010 12:28 Analyzed: 09/23/2010 17:40

Source: C011560-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.24 U	103	75-133			
Benzene	23		1.0	ug/L	20.0	0.20 U	116	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	99	83-117			
Toluene	19		1.0	ug/L	20.0	0.27 U	97	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.38 U	103	75-115			
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*85*	*51-122*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*91*	*68-117*			
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*69-110*			

Matrix Spike Dup (0I23023-MSD1) Prepared: 09/23/2010 12:28 Analyzed: 09/23/2010 18:11

Source: C011560-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.24 U	105	75-133	2	20	
Benzene	23		1.0	ug/L	20.0	0.20 U	117	81-134	1	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	98	83-117	0.9	16	
Toluene	20		1.0	ug/L	20.0	0.27 U	99	71-118	1	17	
Trichloroethene	21		1.0	ug/L	20.0	0.38 U	104	75-115	0.3	18	
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*87*	*51-122*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*68-117*			
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*97*	*69-110*			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Orlando, FL 32824
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4810 Executive Park Court, Suite 211
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Cary, NC 27511
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Page 1 of 1

Client Name: S&ME, Inc. (SM001)	Project Number: 1054-10-2002
Address: 3201 Spring Forest Road	Project Name/Desc: Atkinson Street Contamination
City/ST/Zip: Raleigh, NC 27616	PO # / Billing Info:
Tel: (919) 872-2660 Fax: (919) 876-3958	Reporting Contact: Ed Woloszyn
Sampler(s) Name, Affiliation (Print): Gerald Paul (StME)	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Site Location / Time Zone: Hamlet, NC

Requested Analyses: % Solids, 8260B

Requested Turnaround Times

Note: Rush requests subject to acceptance by the laboratory

X Standard

___ Expedited

Due __/__/__

Lab Workorder: C011195 ~~C010261~~

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	% Solids	8260B	Sample Comments
	~~B-109-1~~				~~SO~~	~~4~~	~~X~~	~~X~~	
	~~B-109-2~~				~~SO~~	~~4~~	~~X~~	~~X~~	
	~~B-109-3~~				~~SO~~	~~4~~	~~X~~	~~X~~	
	~~B-109-4~~				~~SO~~	~~4~~	~~X~~	~~X~~	
	DMW-1 (13-15')	9/14/10	1600	Grab	SO	4	X	X	
	DMW-2 (8.5-10')	9/16/10	0945	↓	SO	4	X	X	
	DMW-3 (8.5-10')	9/17/10	0900	↓	SO	4	X	X	
	SMW-3 (13-15')	9/13/10	1330	↓	SO	4	X	X	
	Trip Blank				WA	2		X	
	Duplicate Soil	9/17/10	—	GRAB	SO	4	X	X	
						22	← Total # of Containers		

Sample Kit Prepared By	Date/Time	Relinquished By: [signature]	Date/Time: 9/17/10 1830	Received By: [signature]	Date/Time: 9/17/10 1830
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 3.4°C		Condition Upon Receipt: ✓ Acceptable ___ Unacceptable	

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

www.encolabs.com

Friday, September 24, 2010

S&ME, Inc. (SM001)

Attn: Ed Woloszyn

3201 Spring Forest Road

Raleigh, NC 27616

RE: Laboratory Results for
Project Number: 1054-10-2002, Project Name/Desc: Atkinson Street Contamination
ENCO Workorder: C010261

Dear Ed Woloszyn,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, September 10, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 20.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: B-109-1 (13-15)	Lab ID: C010261-01	Sampled: 09/10/10 09:45	Received: 09/10/10 17:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	09/24/10	09/22/10 09:42	9/22/2010 16:52

Client ID: B-109-2 (5-9)	Lab ID: C010261-02	Sampled: 09/10/10 10:45	Received: 09/10/10 17:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	09/24/10	09/22/10 09:42	9/22/2010 17:21

Client ID: B-109-3 (9-13)	Lab ID: C010261-03	Sampled: 09/10/10 11:30	Received: 09/10/10 17:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	09/24/10	09/22/10 09:42	9/22/2010 17:50

Client ID: B-109-4 (9-13)	Lab ID: C010261-04	Sampled: 09/10/10 12:15	Received: 09/10/10 17:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	09/24/10	09/22/10 09:42	9/22/2010 18:19

Client ID: Equip Blank	Lab ID: C010261-05	Sampled: 09/10/10 13:25	Received: 09/10/10 17:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	09/24/10	09/14/10 09:59	9/14/2010 19:57

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SAMPLE DETECTION SUMMARY

Client ID: B-109-1 (13-15) **Lab ID:** C010261-01

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.0065		0.0012	0.0048	mg/kg dry	EPA 8260B	

Client ID: B-109-2 (5-9) **Lab ID:** C010261-02

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Tetrachloroethene	0.00061	J	0.00026	0.00095	mg/kg dry	EPA 8260B	

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ANALYTICAL RESULTS

Description: B-109-1 (13-15)
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C010261-01
Sampled: 09/10/10 09:45
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010261
% Solids: 88.7

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00022	U	mg/kg dry	1	0.00022	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00029	U	mg/kg dry	1	0.00029	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00031	U	mg/kg dry	1	0.00031	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00033	U	mg/kg dry	1	0.00033	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00026	U	mg/kg dry	1	0.00026	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00076	U	mg/kg dry	1	0.00076	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00044	U	mg/kg dry	1	0.00044	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00026	U	mg/kg dry	1	0.00026	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00036	U	mg/kg dry	1	0.00036	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00025	U	mg/kg dry	1	0.00025	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00028	U	mg/kg dry	1	0.00028	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00022	U	mg/kg dry	1	0.00022	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
2-Butanone [78-93-3] ^	0.00075	U	mg/kg dry	1	0.00075	0.0048	0I22012	EPA 8260B	09/22/10 16:52	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00047	U	mg/kg dry	1	0.00047	0.0048	0I22012	EPA 8260B	09/22/10 16:52	JKG	
2-Chlorotoluene [95-49-8] ^	0.00017	U	mg/kg dry	1	0.00017	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
2-Hexanone [591-78-6] ^	0.00072	U	mg/kg dry	1	0.00072	0.0048	0I22012	EPA 8260B	09/22/10 16:52	JKG	
4-Chlorotoluene [106-43-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00055	U	mg/kg dry	1	0.00055	0.0048	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Acetone [67-64-1] ^	**0.0065**		mg/kg dry	1	0.0012	0.0048	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Benzene [71-43-2] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Bromobenzene [108-86-1] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Bromochloromethane [74-97-5] ^	0.00039	U	mg/kg dry	1	0.00039	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Bromodichloromethane [75-27-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Bromoform [75-25-2] ^	0.00043	U	mg/kg dry	1	0.00043	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Bromomethane [74-83-9] ^	0.00022	U	mg/kg dry	1	0.00022	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Carbon disulfide [75-15-0] ^	0.00037	U	mg/kg dry	1	0.00037	0.0048	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Chlorobenzene [108-90-7] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Chloroethane [75-00-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Chloroform [67-66-3] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Chloromethane [74-87-3] ^	0.00014	U	mg/kg dry	1	0.00014	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00022	U	mg/kg dry	1	0.00022	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00012	U	mg/kg dry	1	0.00012	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Dibromochloromethane [124-48-1] ^	0.00034	U	mg/kg dry	1	0.00034	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Dibromomethane [74-95-3] ^	0.00030	U	mg/kg dry	1	0.00030	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00043	U	mg/kg dry	1	0.00043	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Ethylbenzene [100-41-4] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00034	U	mg/kg dry	1	0.00034	0.00096	0I22012	EPA 8260B	09/22/10 16:52	JKG	

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Description: B-109-1 (13-15)
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C010261-01
Sampled: 09/10/10 09:45
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010261
% Solids: 88.7

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Isopropylbenzene [98-82-8] ^	0.00014	U	mg/kg dry	1	0.00014	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00036	U	mg/kg dry	1	0.00036	0.0019	OI22012	EPA 8260B	09/22/10 16:52	JKG	
Methylene Chloride [75-09-2] ^	0.00054	U	mg/kg dry	1	0.00054	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00029	U	mg/kg dry	1	0.00029	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
Naphthalene [91-20-3] ^	0.00023	U	mg/kg dry	1	0.00023	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
n-Butyl Benzene [104-51-8] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
n-Propyl Benzene [103-65-1] ^	0.00017	U	mg/kg dry	1	0.00017	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
o-Xylene [95-47-6] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
sec-Butylbenzene [135-98-8] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
Styrene [100-42-5] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
tert-Butylbenzene [98-06-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
Tetrachloroethene [127-18-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
Toluene [108-88-3] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00036	U	mg/kg dry	1	0.00036	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00037	U	mg/kg dry	1	0.00037	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
Trichloroethene [79-01-6] ^	0.00026	U	mg/kg dry	1	0.00026	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
Vinyl chloride [75-01-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	
Xylenes (Total) [1330-20-7] ^	0.00054	U	mg/kg dry	1	0.00054	0.00096	OI22012	EPA 8260B	09/22/10 16:52	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*91 %*	*61-118*	*OI22012*	*EPA 8260B*	*09/22/10 16:52*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*91 %*	*66-114*	*OI22012*	*EPA 8260B*	*09/22/10 16:52*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*63-118*	*OI22012*	*EPA 8260B*	*09/22/10 16:52*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: B-109-2 (5-9)
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C010261-02
Sampled: 09/10/10 10:45
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010261
% Solids: 92.3

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00019	U	mg/kg dry	1	0.00019	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00022	U	mg/kg dry	1	0.00022	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00030	U	mg/kg dry	1	0.00030	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00032	U	mg/kg dry	1	0.00032	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00026	U	mg/kg dry	1	0.00026	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00075	U	mg/kg dry	1	0.00075	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00044	U	mg/kg dry	1	0.00044	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00026	U	mg/kg dry	1	0.00026	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00036	U	mg/kg dry	1	0.00036	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00025	U	mg/kg dry	1	0.00025	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00019	U	mg/kg dry	1	0.00019	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00021	U	mg/kg dry	1	0.00021	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00027	U	mg/kg dry	1	0.00027	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00019	U	mg/kg dry	1	0.00019	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00022	U	mg/kg dry	1	0.00022	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
2-Butanone [78-93-3] ^	0.00074	U	mg/kg dry	1	0.00074	0.0047	0I22012	EPA 8260B	09/22/10 17:21	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00046	U	mg/kg dry	1	0.00046	0.0047	0I22012	EPA 8260B	09/22/10 17:21	JKG	
2-Chlorotoluene [95-49-8] ^	0.00017	U	mg/kg dry	1	0.00017	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
2-Hexanone [591-78-6] ^	0.00071	U	mg/kg dry	1	0.00071	0.0047	0I22012	EPA 8260B	09/22/10 17:21	JKG	
4-Chlorotoluene [106-43-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00054	U	mg/kg dry	1	0.00054	0.0047	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Acetone [67-64-1] ^	0.0011	U	mg/kg dry	1	0.0011	0.0047	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Benzene [71-43-2] ^	0.00016	U	mg/kg dry	1	0.00016	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Bromobenzene [108-86-1] ^	0.00021	U	mg/kg dry	1	0.00021	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Bromochloromethane [74-97-5] ^	0.00039	U	mg/kg dry	1	0.00039	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Bromodichloromethane [75-27-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Bromoform [75-25-2] ^	0.00043	U	mg/kg dry	1	0.00043	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Bromomethane [74-83-9] ^	0.00022	U	mg/kg dry	1	0.00022	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Carbon disulfide [75-15-0] ^	0.00037	U	mg/kg dry	1	0.00037	0.0047	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00021	U	mg/kg dry	1	0.00021	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Chlorobenzene [108-90-7] ^	0.00016	U	mg/kg dry	1	0.00016	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Chloroethane [75-00-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Chloroform [67-66-3] ^	0.00016	U	mg/kg dry	1	0.00016	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Chloromethane [74-87-3] ^	0.00014	U	mg/kg dry	1	0.00014	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00022	U	mg/kg dry	1	0.00022	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00012	U	mg/kg dry	1	0.00012	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Dibromochloromethane [124-48-1] ^	0.00033	U	mg/kg dry	1	0.00033	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Dibromomethane [74-95-3] ^	0.00029	U	mg/kg dry	1	0.00029	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00043	U	mg/kg dry	1	0.00043	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Ethylbenzene [100-41-4] ^	0.00019	U	mg/kg dry	1	0.00019	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00033	U	mg/kg dry	1	0.00033	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Isopropylbenzene [98-82-8] ^	0.00014	U	mg/kg dry	1	0.00014	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00035	U	mg/kg dry	1	0.00035	0.0019	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Methylene Chloride [75-09-2] ^	0.00053	U	mg/kg dry	1	0.00053	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	

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Description: B-109-2 (5-9)
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C010261-02
Sampled: 09/10/10 10:45
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010261
% Solids: 92.3

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Naphthalene [91-20-3] ^	0.00023	U	mg/kg dry	1	0.00023	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
n-Butyl Benzene [104-51-8] ^	0.00021	U	mg/kg dry	1	0.00021	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
n-Propyl Benzene [103-65-1] ^	0.00017	U	mg/kg dry	1	0.00017	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
o-Xylene [95-47-6] ^	0.00021	U	mg/kg dry	1	0.00021	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
sec-Butylbenzene [135-98-8] ^	0.00021	U	mg/kg dry	1	0.00021	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Styrene [100-42-5] ^	0.00016	U	mg/kg dry	1	0.00016	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
tert-Butylbenzene [98-06-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Tetrachloroethene [127-18-4] ^	**0.00061**	J	mg/kg dry	1	0.00026	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Toluene [108-88-3] ^	0.00019	U	mg/kg dry	1	0.00019	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00035	U	mg/kg dry	1	0.00035	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00037	U	mg/kg dry	1	0.00037	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Trichloroethene [79-01-6] ^	0.00026	U	mg/kg dry	1	0.00026	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Vinyl chloride [75-01-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	
Xylenes (Total) [1330-20-7] ^	0.00053	U	mg/kg dry	1	0.00053	0.00095	0I22012	EPA 8260B	09/22/10 17:21	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*61-118*	*0I22012*	*EPA 8260B*	*09/22/10 17:21*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*93 %*	*66-114*	*0I22012*	*EPA 8260B*	*09/22/10 17:21*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*63-118*	*0I22012*	*EPA 8260B*	*09/22/10 17:21*	*JKG*	

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Description: B-109-3 (9-13)
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C010261-03
Sampled: 09/10/10 11:30
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010261
% Solids: 92.3

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00027	U	mg/kg dry	1	0.00027	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00033	U	mg/kg dry	1	0.00033	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00035	U	mg/kg dry	1	0.00035	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00023	U	mg/kg dry	1	0.00023	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00037	U	mg/kg dry	1	0.00037	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00029	U	mg/kg dry	1	0.00029	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00086	U	mg/kg dry	1	0.00086	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00050	U	mg/kg dry	1	0.00050	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00029	U	mg/kg dry	1	0.00029	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00041	U	mg/kg dry	1	0.00041	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00028	U	mg/kg dry	1	0.00028	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00024	U	mg/kg dry	1	0.00024	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00031	U	mg/kg dry	1	0.00031	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
2-Butanone [78-93-3] ^	0.00085	U	mg/kg dry	1	0.00085	0.0054	OI22012	EPA 8260B	09/22/10 17:50	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00053	U	mg/kg dry	1	0.00053	0.0054	OI22012	EPA 8260B	09/22/10 17:50	JKG	
2-Chlorotoluene [95-49-8] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
2-Hexanone [591-78-6] ^	0.00081	U	mg/kg dry	1	0.00081	0.0054	OI22012	EPA 8260B	09/22/10 17:50	JKG	
4-Chlorotoluene [106-43-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00062	U	mg/kg dry	1	0.00062	0.0054	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Acetone [67-64-1] ^	0.0013	U	mg/kg dry	1	0.0013	0.0054	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Benzene [71-43-2] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Bromobenzene [108-86-1] ^	0.00024	U	mg/kg dry	1	0.00024	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Bromochloromethane [74-97-5] ^	0.00044	U	mg/kg dry	1	0.00044	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Bromodichloromethane [75-27-4] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Bromoform [75-25-2] ^	0.00049	U	mg/kg dry	1	0.00049	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Bromomethane [74-83-9] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Carbon disulfide [75-15-0] ^	0.00042	U	mg/kg dry	1	0.00042	0.0054	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00024	U	mg/kg dry	1	0.00024	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Chlorobenzene [108-90-7] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Chloroethane [75-00-3] ^	0.00027	U	mg/kg dry	1	0.00027	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Chloroform [67-66-3] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Chloromethane [74-87-3] ^	0.00016	U	mg/kg dry	1	0.00016	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00014	U	mg/kg dry	1	0.00014	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Dibromochloromethane [124-48-1] ^	0.00038	U	mg/kg dry	1	0.00038	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Dibromomethane [74-95-3] ^	0.00034	U	mg/kg dry	1	0.00034	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00049	U	mg/kg dry	1	0.00049	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Ethylbenzene [100-41-4] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00038	U	mg/kg dry	1	0.00038	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Isopropylbenzene [98-82-8] ^	0.00016	U	mg/kg dry	1	0.00016	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00040	U	mg/kg dry	1	0.00040	0.0022	OI22012	EPA 8260B	09/22/10 17:50	JKG	
Methylene Chloride [75-09-2] ^	0.00061	U	mg/kg dry	1	0.00061	0.0011	OI22012	EPA 8260B	09/22/10 17:50	JKG	

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Description: B-109-3 (9-13)
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C010261-03
Sampled: 09/10/10 11:30
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010261
% Solids: 92.3

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00033	U	mg/kg dry	1	0.00033	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
Naphthalene [91-20-3] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
n-Butyl Benzene [104-51-8] ^	0.00024	U	mg/kg dry	1	0.00024	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
n-Propyl Benzene [103-65-1] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
o-Xylene [95-47-6] ^	0.00024	U	mg/kg dry	1	0.00024	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
sec-Butylbenzene [135-98-8] ^	0.00024	U	mg/kg dry	1	0.00024	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
Styrene [100-42-5] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
tert-Butylbenzene [98-06-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
Tetrachloroethene [127-18-4] ^	0.00030	U	mg/kg dry	1	0.00030	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
Toluene [108-88-3] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00040	U	mg/kg dry	1	0.00040	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00042	U	mg/kg dry	1	0.00042	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
Trichloroethene [79-01-6] ^	0.00029	U	mg/kg dry	1	0.00029	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
Vinyl chloride [75-01-4] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	
Xylenes (Total) [1330-20-7] ^	0.00061	U	mg/kg dry	1	0.00061	0.0011	0I22012	EPA 8260B	09/22/10 17:50	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*93 %*	*61-118*	*0I22012*	*EPA 8260B*	*09/22/10 17:50*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*91 %*	*66-114*	*0I22012*	*EPA 8260B*	*09/22/10 17:50*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*63-118*	*0I22012*	*EPA 8260B*	*09/22/10 17:50*	*JKG*	

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Description: B-109-4 (9-13)
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C010261-04
Sampled: 09/10/10 12:15
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010261
% Solids: 85.0

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00018	U	mg/kg dry	1	0.00018	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00021	U	mg/kg dry	1	0.00021	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00023	U	mg/kg dry	1	0.00023	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00029	U	mg/kg dry	1	0.00029	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00019	U	mg/kg dry	1	0.00019	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00031	U	mg/kg dry	1	0.00031	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00025	U	mg/kg dry	1	0.00025	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00072	U	mg/kg dry	1	0.00072	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00042	U	mg/kg dry	1	0.00042	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00025	U	mg/kg dry	1	0.00025	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00035	U	mg/kg dry	1	0.00035	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00024	U	mg/kg dry	1	0.00024	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00018	U	mg/kg dry	1	0.00018	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00020	U	mg/kg dry	1	0.00020	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00027	U	mg/kg dry	1	0.00027	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00018	U	mg/kg dry	1	0.00018	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00021	U	mg/kg dry	1	0.00021	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
2-Butanone [78-93-3] ^	0.00072	U	mg/kg dry	1	0.00072	0.0046	0I22012	EPA 8260B	09/22/10 18:19	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00045	U	mg/kg dry	1	0.00045	0.0046	0I22012	EPA 8260B	09/22/10 18:19	JKG	
2-Chlorotoluene [95-49-8] ^	0.00017	U	mg/kg dry	1	0.00017	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
2-Hexanone [591-78-6] ^	0.00069	U	mg/kg dry	1	0.00069	0.0046	0I22012	EPA 8260B	09/22/10 18:19	JKG	
4-Chlorotoluene [106-43-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00052	U	mg/kg dry	1	0.00052	0.0046	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Acetone [67-64-1] ^	0.0011	U	mg/kg dry	1	0.0011	0.0046	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Benzene [71-43-2] ^	0.00016	U	mg/kg dry	1	0.00016	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Bromobenzene [108-86-1] ^	0.00020	U	mg/kg dry	1	0.00020	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Bromochloromethane [74-97-5] ^	0.00038	U	mg/kg dry	1	0.00038	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Bromodichloromethane [75-27-4] ^	0.00022	U	mg/kg dry	1	0.00022	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Bromoform [75-25-2] ^	0.00041	U	mg/kg dry	1	0.00041	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Bromomethane [74-83-9] ^	0.00021	U	mg/kg dry	1	0.00021	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Carbon disulfide [75-15-0] ^	0.00036	U	mg/kg dry	1	0.00036	0.0046	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00020	U	mg/kg dry	1	0.00020	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Chlorobenzene [108-90-7] ^	0.00016	U	mg/kg dry	1	0.00016	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Chloroethane [75-00-3] ^	0.00023	U	mg/kg dry	1	0.00023	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Chloroform [67-66-3] ^	0.00016	U	mg/kg dry	1	0.00016	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Chloromethane [74-87-3] ^	0.00014	U	mg/kg dry	1	0.00014	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00021	U	mg/kg dry	1	0.00021	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00012	U	mg/kg dry	1	0.00012	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Dibromochloromethane [124-48-1] ^	0.00032	U	mg/kg dry	1	0.00032	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Dibromomethane [74-95-3] ^	0.00028	U	mg/kg dry	1	0.00028	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00041	U	mg/kg dry	1	0.00041	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Ethylbenzene [100-41-4] ^	0.00018	U	mg/kg dry	1	0.00018	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00032	U	mg/kg dry	1	0.00032	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Isopropylbenzene [98-82-8] ^	0.00014	U	mg/kg dry	1	0.00014	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00034	U	mg/kg dry	1	0.00034	0.0018	0I22012	EPA 8260B	09/22/10 18:19	JKG	
Methylene Chloride [75-09-2] ^	0.00051	U	mg/kg dry	1	0.00051	0.00092	0I22012	EPA 8260B	09/22/10 18:19	JKG	

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Description: B-109-4 (9-13)
Matrix: Soil
Project: Atkinson Street Contamination

Lab Sample ID: C010261-04
Sampled: 09/10/10 12:15
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010261
% Solids: 85.0

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
Naphthalene [91-20-3] ^	0.00022	U	mg/kg dry	1	0.00022	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
n-Butyl Benzene [104-51-8] ^	0.00020	U	mg/kg dry	1	0.00020	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
n-Propyl Benzene [103-65-1] ^	0.00017	U	mg/kg dry	1	0.00017	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
o-Xylene [95-47-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
sec-Butylbenzene [135-98-8] ^	0.00020	U	mg/kg dry	1	0.00020	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
Styrene [100-42-5] ^	0.00016	U	mg/kg dry	1	0.00016	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
tert-Butylbenzene [98-06-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
Tetrachloroethene [127-18-4] ^	0.00026	U	mg/kg dry	1	0.00026	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
Toluene [108-88-3] ^	0.00018	U	mg/kg dry	1	0.00018	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00034	U	mg/kg dry	1	0.00034	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00036	U	mg/kg dry	1	0.00036	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
Trichloroethene [79-01-6] ^	0.00025	U	mg/kg dry	1	0.00025	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
Vinyl chloride [75-01-4] ^	0.00022	U	mg/kg dry	1	0.00022	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	
Xylenes (Total) [1330-20-7] ^	0.00051	U	mg/kg dry	1	0.00051	0.00092	OI22012	EPA 8260B	09/22/10 18:19	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*61-118*	*OI22012*	*EPA 8260B*	*09/22/10 18:19*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*66-114*	*OI22012*	*EPA 8260B*	*09/22/10 18:19*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*63-118*	*OI22012*	*EPA 8260B*	*09/22/10 18:19*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Equip Blank
Matrix: Water
Project: Atkinson Street Contamination

Lab Sample ID: C010261-05
Sampled: 09/10/10 13:25
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010261

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	5.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	

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Description: Equip Blank
Matrix: Water
Project: Atkinson Street Contamination

Lab Sample ID: C010261-05
Sampled: 09/10/10 13:25
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010261

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	0I14012	EPA 8260B	09/14/10 19:57	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*78 %*	*51-122*	*0I14012*	*EPA 8260B*	*09/14/10 19:57*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*85 %*	*68-117*	*0I14012*	*EPA 8260B*	*09/14/10 19:57*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*0I14012*	*EPA 8260B*	*09/14/10 19:57*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I14012 - EPA 5030B_MS

Blank (0I14012-BLK1) Prepared: 09/14/2010 09:59 Analyzed: 09/14/2010 13:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.25	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.20	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.25	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	0.94	U	5.0	ug/L							
2-Chlorotoluene	0.20	U	1.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Chlorotoluene	0.25	U	1.0	ug/L							
4-Isopropyltoluene	0.26	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromobenzene	0.28	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Isopropylbenzene	0.24	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I14012 - EPA 5030B_MS

Blank (0I14012-BLK1) Continued Prepared: 09/14/2010 09:59 Analyzed: 09/14/2010 13:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
m,p-Xylenes	0.48	U	2.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.38	U	1.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
n-Butyl Benzene	0.20	U	1.0	ug/L							
n-Propyl Benzene	0.30	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
sec-Butylbenzene	0.24	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
tert-Butylbenzene	0.28	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*51-122*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*85*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*69-110*			

LCS (0I14012-BS1) Prepared: 09/14/2010 09:59 Analyzed: 09/14/2010 13:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		91	75-133			
Benzene	21		1.0	ug/L	20.0		107	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		94	83-117			
Toluene	18		1.0	ug/L	20.0		90	71-118			
Trichloroethene	19		1.0	ug/L	20.0		97	75-115			
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*79*	*51-122*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*83*	*68-117*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*69-110*			

Matrix Spike (0I14012-MS1) Prepared: 09/14/2010 09:59 Analyzed: 09/14/2010 14:26

Source: C010549-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.24 U	97	75-133			
Benzene	24		1.0	ug/L	20.0	0.20 U	118	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	97	83-117			
Toluene	19		1.0	ug/L	20.0	0.27 U	95	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.38 U	103	75-115			
Surrogate: 4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*76*	*51-122*			
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*82*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*85*	*69-110*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I14012 - EPA 5030B_MS

Matrix Spike Dup (0I14012-MSD1) Prepared: 09/14/2010 09:59 Analyzed: 09/14/2010 14:56

Source: C010549-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.24 U	98	75-133	1	20	
Benzene	24		1.0	ug/L	20.0	0.20 U	122	81-134	3	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	101	83-117	4	16	
Toluene	19		1.0	ug/L	20.0	0.27 U	97	71-118	2	17	
Trichloroethene	21		1.0	ug/L	20.0	0.38 U	107	75-115	4	18	
Surrogate: 4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*51-122*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*87*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*91*	*69-110*			

Batch 0I22012 - EPA 5035_MS

Blank (0I22012-BLK1) Prepared: 09/22/2010 09:42 Analyzed: 09/22/2010 11:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.00016	U	0.0010	mg/kg wet							
1,1,1-Trichloroethane	0.00018	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.00020	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.00023	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.00030	U	0.0010	mg/kg wet							
1,1-Dichloropropene	0.00032	U	0.0010	mg/kg wet							
1,2,3-Trichlorobenzene	0.00021	U	0.0010	mg/kg wet							
1,2,3-Trichloropropane	0.00034	U	0.0010	mg/kg wet							
1,2,4-Trichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2,4-Trimethylbenzene	0.00017	U	0.0010	mg/kg wet							
1,2-Dibromo-3-chloropropane	0.00079	U	0.0010	mg/kg wet							
1,2-Dibromoethane	0.00046	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.00038	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.00026	U	0.0010	mg/kg wet							
1,3,5-Trimethylbenzene	0.00020	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.00022	U	0.0010	mg/kg wet							
1,3-Dichloropropane	0.00029	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.00020	U	0.0010	mg/kg wet							
2,2-Dichloropropane	0.00023	U	0.0010	mg/kg wet							
2-Butanone	0.00078	U	0.0050	mg/kg wet							
2-Chloroethyl Vinyl Ether	0.00049	U	0.0050	mg/kg wet							
2-Chlorotoluene	0.00018	U	0.0010	mg/kg wet							
2-Hexanone	0.00075	U	0.0050	mg/kg wet							
4-Chlorotoluene	0.00026	U	0.0010	mg/kg wet							
4-Isopropyltoluene	0.00016	U	0.0010	mg/kg wet							
4-Methyl-2-pentanone	0.00057	U	0.0050	mg/kg wet							
Acetone	0.0012	U	0.0050	mg/kg wet							
Benzene	0.00017	U	0.0010	mg/kg wet							
Bromobenzene	0.00022	U	0.0010	mg/kg wet							
Bromochloromethane	0.00041	U	0.0010	mg/kg wet							
Bromodichloromethane	0.00024	U	0.0010	mg/kg wet							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I22012 - EPA 5035_MS

Blank (0I22012-BLK1) Continued Prepared: 09/22/2010 09:42 Analyzed: 09/22/2010 11:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.00045	U	0.0010	mg/kg wet							
Bromomethane	0.00023	U	0.0010	mg/kg wet							
Carbon disulfide	0.00039	U	0.0050	mg/kg wet							
Carbon Tetrachloride	0.00022	U	0.0010	mg/kg wet							
Chlorobenzene	0.00017	U	0.0010	mg/kg wet							
Chloroethane	0.00025	U	0.0010	mg/kg wet							
Chloroform	0.00017	U	0.0010	mg/kg wet							
Chloromethane	0.00015	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.00023	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.00013	U	0.0010	mg/kg wet							
Dibromochloromethane	0.00035	U	0.0010	mg/kg wet							
Dibromomethane	0.00031	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.00045	U	0.0010	mg/kg wet							
Ethylbenzene	0.00020	U	0.0010	mg/kg wet							
Hexachlorobutadiene	0.00035	U	0.0010	mg/kg wet							
Isopropylbenzene	0.00015	U	0.0010	mg/kg wet							
m,p-Xylenes	0.00037	U	0.0020	mg/kg wet							
Methylene Chloride	0.00056	U	0.0010	mg/kg wet							
Methyl-tert-Butyl Ether	0.00030	U	0.0010	mg/kg wet							
Naphthalene	0.00024	U	0.0010	mg/kg wet							
n-Butyl Benzene	0.00022	U	0.0010	mg/kg wet							
n-Propyl Benzene	0.00018	U	0.0010	mg/kg wet							
o-Xylene	0.00022	U	0.0010	mg/kg wet							
sec-Butylbenzene	0.00022	U	0.0010	mg/kg wet							
Styrene	0.00017	U	0.0010	mg/kg wet							
tert-Butylbenzene	0.00016	U	0.0010	mg/kg wet							
Tetrachloroethene	0.00028	U	0.0010	mg/kg wet							
Toluene	0.00020	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.00037	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.00039	U	0.0010	mg/kg wet							
Trichloroethene	0.00027	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.00026	U	0.0010	mg/kg wet							
Vinyl chloride	0.00024	U	0.0010	mg/kg wet							
Xylenes (Total)	0.00056	U	0.0010	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*94*	*61-118*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*66-114*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*63-118*			

LCS (0I22012-BS1) Prepared: 09/22/2010 09:42 Analyzed: 09/22/2010 11:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		102	64-133			
Benzene	19		1.0	ug/L	20.0		96	79-129			
Chlorobenzene	19		1.0	ug/L	20.0		96	79-121			
Toluene	19		1.0	ug/L	20.0		95	77-120			
Trichloroethene	20		1.0	ug/L	20.0		99	78-118			
Surrogate: 4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*97*	*61-118*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*66-114*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I22012 - EPA 5035_MS

LCS (0I22012-BS1) Continued Prepared: 09/22/2010 09:42 Analyzed: 09/22/2010 11:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*63-118*			

Matrix Spike (0I22012-MS1) Prepared: 09/22/2010 09:42 Analyzed: 09/22/2010 12:03

Source: C011147-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.30 U	102	64-133			
Benzene	19		1.0	ug/L	20.0	0.17 U	96	79-129			
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	97	79-121			
Toluene	19		1.0	ug/L	20.0	0.47	94	77-120			
Trichloroethene	20		1.0	ug/L	20.0	0.27 U	98	78-118			
Surrogate: 4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*94*	*61-118*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*66-114*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*93*	*63-118*			

Matrix Spike Dup (0I22012-MSD1) Prepared: 09/22/2010 09:42 Analyzed: 09/22/2010 12:32

Source: C011147-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.30 U	95	64-133	7	23	
Benzene	19		1.0	ug/L	20.0	0.17 U	93	79-129	3	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	94	79-121	3	25	
Toluene	19		1.0	ug/L	20.0	0.47	93	77-120	0.6	23	
Trichloroethene	19		1.0	ug/L	20.0	0.27 U	96	78-118	3	24	
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*93*	*61-118*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*66-114*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*94*	*63-118*			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Company Name: S&ME, Inc. (SMC01)
Address: 3201 Spring Forest Road
City/State/Zip: Raleigh, NC 27616
Tel: (919) 872-2660 Fax: (919) 876-3958
Sampling Name of Sampler (Print): Gerald Paul S+ME
Sampler Signature:

Project Name/No.: 1054 10 2002
Project Name/Site: Atkinson Street Contamination
PO # (Billing Info):
Reporting Contact: Ed Wolnszyn
Billing Contact: Accounts Payable
Site Location (State/Zip): Hamlet, NC

Requested Analyses: %Solids; 8260B

Requested Turnaround Times: Note: Rush requests subject to acceptance by the facility
X Standard
__ Expedited
Due __/__/__

Lab Workorder: C010251

Preservation: See Codes (Comments section for additional codes)

Sample ID	Collection Date	Collection Time	Comp/Grab	Matrix	Total # Containers	%Solids	8260B	Sample Comments
B-109-1 (13-15)	9/10/10	0945	GRAB	SO	4	X	X	
B-109-2 (5-9)	↓	1045	↓	SO	4	X	X	
B-109-3 (9-13)		1130		SO	4	X	X	
B-109-4 (9-13)		1215		SO	4	X	X	
~~DMW-1~~				SO	4	X	X	
DMW-2				SO	4	X	X	
~~DMW-3~~				SO	4	X	X	
~~SMW-3~~				SO	4	X	X	
Trip Blank				WA	2		X	No trip blank received 0556 9/13/10
EQ Blank	9/10/10	1325	GRAB	WA	3		X	

<- Total # of Containers

Sample Kit Prepared By: JK Date/Time: 9-3-10
Comments/Special Shipping Requirements:

Relinquished By: Date/Time: 9/10/10 1730 Received By: Date/Time: 9/10/10 1730
Relinquished By: Date/Time: Received By: Date/Time:
Relinquished By: Date/Time: Received By: Date/Time:

Condition & Temp on Receipt: Blue 3.1°C
Condition Upon Receipt: ✓ Acceptable __ Unacceptable

Matrix: GW-Groundwater SO-Soil/Solid DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: Mark H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are accepted subject to the terms and conditions listed on the reverse of this form, unless prior written agreement is made.

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Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Wednesday, September 22, 2010

S&ME, Inc. (SM001)

Attn: Ed Woloszyn

3201 Spring Forest Road

Raleigh, NC 27616

RE: Laboratory Results for
Project Number: 1054-10-2002, Project Name/Desc: Atkinson Street Contamination
ENCO Workorder: C010311

Dear Ed Woloszyn,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, September 10, 2010.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 18.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: Haught Residence - WSW-1	Lab ID: C010311-01	Sampled: 09/10/10 12:20	Received: 09/10/10 17:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	09/24/10	09/14/10 09:59	9/14/2010 22:25

Client ID: Jernigan Residence - WSW-2	Lab ID: C010311-02	Sampled: 09/10/10 12:50	Received: 09/10/10 17:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	09/24/10	09/14/10 09:59	9/14/2010 22:54

Client ID: Butler Residence - WSW-3	Lab ID: C010311-03RE1	Sampled: 09/10/10 13:15	Received: 09/10/10 17:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	09/24/10	09/17/10 07:42	9/17/2010 14:07

Client ID: Trip Blank	Lab ID: C010311-04	Sampled: 09/10/10 12:20	Received: 09/10/10 17:30
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	09/24/10	09/14/10 09:59	9/14/2010 21:55

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SAMPLE DETECTION SUMMARY

Client ID: Haught Residence - WSW-1 **Lab ID:** C010311-01

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethane	1.2		0.33	1.0	ug/L	EPA 8260B	
1,1-Dichloroethene	7.1		0.24	1.0	ug/L	EPA 8260B	

Client ID: Jernigan Residence - WSW-2 **Lab ID:** C010311-02

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethene	0.70	J	0.24	1.0	ug/L	EPA 8260B	

Client ID: Butler Residence - WSW-3 **Lab ID:** C010311-03RE1

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethene	2.6		0.24	1.0	ug/L	EPA 8260B	

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ANALYTICAL RESULTS

Description: Haught Residence - WSW-1
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C010311-01
Sampled: 09/10/10 12:20
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010311

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC .591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.2**		ug/L	1	0.33	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,1-Dichloroethene [75-35-4] ^	**7.1**		ug/L	1	0.24	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	5.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	

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Description: Haught Residence - WSW-1
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C010311-01
Sampled: 09/10/10 12:20
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010311

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	OI14012	EPA 8260B	09/14/10 22:25	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*79 %*	*51-122*	*OI14012*	*EPA 8260B*	*09/14/10 22:25*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*68-117*	*OI14012*	*EPA 8260B*	*09/14/10 22:25*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*OI14012*	*EPA 8260B*	*09/14/10 22:25*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Jernigan Residence - WSW-2
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C010311-02
Sampled: 09/10/10 12:50
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010311

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,1-Dichloroethene [75-35-4] ^	**0.70**	J	ug/L	1	0.24	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	5.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	

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Description: Jernigan Residence - WSW-2
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C010311-02
Sampled: 09/10/10 12:50
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010311

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	0I14012	EPA 8260B	09/14/10 22:54	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*79 %*	*51-122*	*0I14012*	*EPA 8260B*	*09/14/10 22:54*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*0I14012*	*EPA 8260B*	*09/14/10 22:54*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*0I14012*	*EPA 8260B*	*09/14/10 22:54*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Butler Residence - WSW-3
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C010311-03
Sampled: 09/10/10 13:15
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010311

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,1-Dichloroethene [75-35-4] ^	**2.6**		ug/L	1	0.24	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	5.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	0I17001	EPA 8260B	09/17/10 14:07	JKG	

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Description: Butler Residence - WSW-3
Matrix: Ground Water
Project: Atkinson Street Contamination

Lab Sample ID: C010311-03
Sampled: 09/10/10 13:15
Sampled By: Gerald Paul

Received: 09/10/10 17:30
Work Order: C010311

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	OI17001	EPA 8260B	09/17/10 14:07	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*38*	*1*	*50.0*	*77 %*	*51-122*	*OI17001*	*EPA 8260B*	*09/17/10 14:07*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*85 %*	*68-117*	*OI17001*	*EPA 8260B*	*09/17/10 14:07*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*OI17001*	*EPA 8260B*	*09/17/10 14:07*	*JKG*	

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Description: Trip Blank
Matrix: Water
Project: Atkinson Street Contamination

Lab Sample ID: C010311-04
Sampled: 09/10/10 12:20
Sampled By: ENCO

Received: 09/10/10 17:30
Work Order: C010311

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	5.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	0I14012	EPA 8260B	09/14/10 21:55	JKG	

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Description: Trip Blank
Matrix: Water
Project: Atkinson Street Contamination

Lab Sample ID: C010311-04
Sampled: 09/10/10 12:20
Sampled By: ENCO

Received: 09/10/10 17:30
Work Order: C010311

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	OI14012	EPA 8260B	09/14/10 21:55	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*51-122*	*OI14012*	*EPA 8260B*	*09/14/10 21:55*	*JKG*	
Dibromofluoromethane	*45*	*1*	*50.0*	*91 %*	*68-117*	*OI14012*	*EPA 8260B*	*09/14/10 21:55*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*69-110*	*OI14012*	*EPA 8260B*	*09/14/10 21:55*	*JKG*	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I14012 - EPA 5030B_MS

Blank (0I14012-BLK1) Prepared: 09/14/2010 09:59 Analyzed: 09/14/2010 13:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.25	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.20	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.25	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	0.94	U	5.0	ug/L							
2-Chlorotoluene	0.20	U	1.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Chlorotoluene	0.25	U	1.0	ug/L							
4-Isopropyltoluene	0.26	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromobenzene	0.28	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Isopropylbenzene	0.24	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I14012 - EPA 5030B_MS

Blank (0I14012-BLK1) Continued Prepared: 09/14/2010 09:59 Analyzed: 09/14/2010 13:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
m,p-Xylenes	0.48	U	2.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.38	U	1.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
n-Butyl Benzene	0.20	U	1.0	ug/L							
n-Propyl Benzene	0.30	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
sec-Butylbenzene	0.24	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
tert-Butylbenzene	0.28	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*51-122*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*85*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*69-110*			

LCS (0I14012-BS1) Prepared: 09/14/2010 09:59 Analyzed: 09/14/2010 13:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		91	75-133			
Benzene	21		1.0	ug/L	20.0		107	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		94	83-117			
Toluene	18		1.0	ug/L	20.0		90	71-118			
Trichloroethene	19		1.0	ug/L	20.0		97	75-115			
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*79*	*51-122*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*83*	*68-117*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*69-110*			

Matrix Spike (0I14012-MS1) Prepared: 09/14/2010 09:59 Analyzed: 09/14/2010 14:26

Source: C010549-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.24 U	97	75-133			
Benzene	24		1.0	ug/L	20.0	0.20 U	118	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	97	83-117			
Toluene	19		1.0	ug/L	20.0	0.27 U	95	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.38 U	103	75-115			
Surrogate: 4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*76*	*51-122*			
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*82*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*85*	*69-110*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I14012 - EPA 5030B_MS

Matrix Spike Dup (0I14012-MSD1) Prepared: 09/14/2010 09:59 Analyzed: 09/14/2010 14:56

Source: C010549-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.24 U	98	75-133	1	20	
Benzene	24		1.0	ug/L	20.0	0.20 U	122	81-134	3	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	101	83-117	4	16	
Toluene	19		1.0	ug/L	20.0	0.27 U	97	71-118	2	17	
Trichloroethene	21		1.0	ug/L	20.0	0.38 U	107	75-115	4	18	
Surrogate: 4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*51-122*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*87*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*91*	*69-110*			

Batch 0I17001 - EPA 5030B_MS

Blank (0I17001-BLK1) Prepared: 09/17/2010 07:42 Analyzed: 09/17/2010 11:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.25	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.20	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.25	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	0.94	U	5.0	ug/L							
2-Chlorotoluene	0.20	U	1.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Chlorotoluene	0.25	U	1.0	ug/L							
4-Isopropyltoluene	0.26	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromobenzene	0.28	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I17001 - EPA 5030B_MS

Blank (0I17001-BLK1) Continued Prepared: 09/17/2010 07:42 Analyzed: 09/17/2010 11:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Isopropylbenzene	0.24	U	1.0	ug/L							
m,p-Xylenes	0.48	U	2.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.38	U	1.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
n-Butyl Benzene	0.20	U	1.0	ug/L							
n-Propyl Benzene	0.30	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
sec-Butylbenzene	0.24	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
tert-Butylbenzene	0.28	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*36*			*ug/L*	*50.0*		*73*	*51-122*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*85*	*68-117*			
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*83*	*69-110*			

LCS (0I17001-BS1) Prepared: 09/17/2010 07:42 Analyzed: 09/17/2010 11:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		97	75-133			
Benzene	23		1.0	ug/L	20.0		113	81-134			
Chlorobenzene	18		1.0	ug/L	20.0		92	83-117			
Toluene	19		1.0	ug/L	20.0		93	71-118			
Trichloroethene	20		1.0	ug/L	20.0		100	75-115			
Surrogate: 4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*76*	*51-122*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*85*	*68-117*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I17001 - EPA 5030B_MS

LCS (0I17001-BS1) Continued Prepared: 09/17/2010 07:42 Analyzed: 09/17/2010 11:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*69-110*			

Matrix Spike (0I17001-MS1) Prepared: 09/17/2010 07:42 Analyzed: 09/17/2010 12:11

Source: C010137-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	2.9	99	75-133			
Benzene	23		1.0	ug/L	20.0	0.20 U	114	81-134			
Chlorobenzene	18		1.0	ug/L	20.0	0.27 U	92	83-117			
Toluene	19		1.0	ug/L	20.0	0.27 U	93	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.38 U	103	75-115			
Surrogate: 4-Bromofluorobenzene	*38*			*ug/L*	*50.0*		*76*	*51-122*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*87*	*69-110*			

Matrix Spike Dup (0I17001-MSD1) Prepared: 09/17/2010 07:42 Analyzed: 09/17/2010 12:40

Source: C010137-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	2.9	109	75-133	9	20	
Benzene	25		1.0	ug/L	20.0	0.20 U	124	81-134	8	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	101	83-117	10	16	
Toluene	20		1.0	ug/L	20.0	0.27 U	101	71-118	8	17	
Trichloroethene	22		1.0	ug/L	20.0	0.38 U	112	75-115	8	18	
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*80*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*89*	*69-110*			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Client Name: S&ME, Inc. (SM001)	Project Number: 1054-10-2002
Address: 3201 Spring Forest Road	Project Name/Desc: Atkinson Street Contamination
City/ST/Zip: Raleigh, NC 27616	PO # / Billing Info:
Tel: (919) 872-2660 / Fax: (919) 876-3958	Reporting Contact: Ed Woloszyn
Sampler(s) Name, Affiliation (Print): Gerald Paul Stine	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Site Location / Time Zone: Hamlet NC

Requested Analyses: 8260B

Requested Turnaround Times: Note: Rush requests subject to acceptance by the facility. X Standard ___ Expedited Due __/__/__

Lab Workorder: C010311

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B	Sample Comments
	DMW-1				GW	3	X	
	DMW-2				GW	3	X	
	DMW-3				GW	3	X	
	SMW-3				GW	3	X	
	Haught Residence - WSW-1	9/10/10	1220	GRAB	GW	3	X	
	Jernigan Residence - WSW-2	↓	1250	↓	GW	3	X	
	Butler Residence - WSW-3	↓	1315	↓	GW	3	X	
	Dup				GW	3	X	
	Equip Blank				WA	3	X	
	Trip Blank				WA	2	X	

<-- Total # of Containers

Sample Kit Prepared By: JL	Date/Time: 9 3-10	Relinquished By: [signature]	Date/Time: 9/10/10 1730	Received By: [signature]	Date/Time: 9/10/10 1730
Compliance/Special Reporting Requirements:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: C-234 3.1°C		Condition Upon Receipt: ✓ Acceptable ___ Unacceptable	

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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