STATE OF TENNESSEE
DEPARTMENT OF HEALTH
ENVIRONMENTAL LABORATORIES

TDH: Lab Services JRL
Lab Services - Jackson Regional Lab
Jackson, TN 38301
731-426-0686

TDH: Lab Services KRL
Lab Services - Knoxville Regional Lab
Knoxville, TN 37920
865-549-5201

TDH: Lab Services NCL
Lab Services - Nashville Central Lab
Nashville, TN 37243
615-262-6300

Sent To:

Greg Denton
TDEC-WPC
6th Floor, L & C Tower Annex
401 Church Street
Nashville, TN 37243-1534

Michael Atchley
TDEC-WPC
Knoxville FO
3711 Middlebrook Pike
Knoxville, TN 37921

Lab ID: K00002600
Knoxville Regional Laboratory

Sampling Agency: TDEC: Division of Water Pollution Control

Billing Code: 327.34-20

This is to certify that the following results were determined using good laboratory pratices and in accordance with federal or state approved methodologies.

Analytical Supervisor

Lab-Sample Number:	K00002600001
Project Name:	
Sample Description:	Emory River mile 12.1
Sampler Project Name:	TVA Ash Spill
Project Site No.:	1
Station No.:	EMORY012.1RO
Date/Time Collected:	07/14/2009 10:02
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	7.48	pH Units
Chlorine, residual:		
Conductivity:	120	uMHO
Temperature:	25.89	
Dissolved Oxygen:	5.32	mg/L
Other:		
Flow:		CFS

TEST: Alkalinity, Total — **METHOD: EPA 310.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	32	mg/L	3.8	10	M Chen	7/15/2009

TEST: Hardness, Calcium — **METHOD: SM 3500-Ca D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	26	mg/L	0.7	1	M Chen	7/20/2009

TEST: Residue, Settleable — **METHOD: SM 2540F**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	7/15/2009

TEST: Residue, Suspended — **METHOD: SM 2540D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	U	mg/L	10	10	A Peeples	7/17/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600002
Project Name:	
Sample Description:	Emory River mile 2.1
Sampler Project Name:	TVA Ash Spill
Project Site No.:	2
Station No.:	EMORY002.1RO
Date/Time Collected:	07/14/2009 10:54
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	7.82	pH Units
Chlorine, residual:		
Conductivity:	131	uMHO
Temperature:	27.46	
Dissolved Oxygen:	7.87	mg/L
Other:		
Flow:		CFS

TEST: Alkalinity, Total — **METHOD: EPA 310.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	39	mg/L	3.8	10	M Chen	7/15/2009

TEST: Hardness, Calcium — **METHOD: SM 3500-Ca D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	39	mg/L	0.7	1	M Chen	7/20/2009

TEST: Residue, Settleable — **METHOD: SM 2540F**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	7/15/2009

TEST: Residue, Suspended — **METHOD: SM 2540D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	21	mg/L	10	10	A Peeples	7/17/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600003
Project Name:	
Sample Description:	Approx 100' downstream from middle dredge pc
Sampler Project Name:	TVA Ash Spill
Project Site No.:	2A
Station No.:	Dredge Plume
Date/Time Collected:	07/14/2009 11:05
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	7.87	pH Units
Chlorine, residual:		
Conductivity:	158	uMHO
Temperature:	26.55	
Dissolved Oxygen:	7.96	mg/L
Other:		
Flow:		CFS

TEST: Alkalinity, Total — **METHOD: EPA 310.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	99	mg/L	3.8	10	M Chen	7/15/2009

TEST: Hardness, Calcium — **METHOD: SM 3500-Ca D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	82	mg/L	0.7	1	M Chen	7/20/2009

TEST: Residue, Settleable — **METHOD: SM 2540F**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	7/15/2009

TEST: Residue, Suspended — **METHOD: SM 2540D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	13	mg/L	10	10	A Peeples	7/17/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600004
Project Name:	
Sample Description:	Emory River mile 1.9 at underwater weir
Sampler Project Name:	TVA Ash Spill
Project Site No.:	2B
Station No.:	EMORY001.9RO
Date/Time Collected:	07/14/2009 11:12
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations		
pH:	7.83	pH Units
Chlorine, residual:		
Conductivity:	191	uMHO
Temperature:	25.67	
Dissolved Oxygen:	7.94	mg/L
Other:		
Flow:		CFS

TEST: Alkalinity, Total — **METHOD: EPA 310.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	74	mg/L	3.8	10	M Chen	7/15/2009

TEST: Hardness, Calcium — **METHOD: SM 3500-Ca D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	74	mg/L	0.7	1	M Chen	7/20/2009

TEST: Residue, Settleable — **METHOD: SM 2540F**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	7/15/2009

TEST: Residue, Suspended — **METHOD: SM 2540D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	11	mg/L	10	10	A Peeples	7/17/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600005
Project Name:	
Sample Description:	Emory River mile 1.7
Sampler Project Name:	TVA Ash Spill
Project Site No.:	3
Station No.:	EMORY001.7RO
Date/Time Collected:	07/14/2009 11:22
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	8.26	pH Units
Chlorine, residual:		
Conductivity:	203	uMHO
Temperature:	26.19	
Dissolved Oxygen:	9.02	mg/L
Other:		
Flow:		CFS

TEST: Alkalinity, Total — **METHOD: EPA 310.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	95	mg/L	3.8	10	M Chen	7/15/2009

TEST: Hardness, Calcium — **METHOD: SM 3500-Ca D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	85	mg/L	0.7	1	M Chen	7/20/2009

TEST: Residue, Settleable — **METHOD: SM 2540F**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	7/15/2009

TEST: Residue, Suspended — **METHOD: SM 2540D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	U	mg/L	10	10	A Peeples	7/17/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600006
Project Name:	
Sample Description:	Emory River mile 1.7
Sampler Project Name:	TVA Ash Spill
Project Site No.:	3FD
Station No.:	EMORY001.7RO
Date/Time Collected:	07/14/2009 11:22
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	8.26	pH Units
Chlorine, residual:		
Conductivity:	203	uMHO
Temperature:	26.19	
Dissolved Oxygen:	9.02	mg/L
Other:		
Flow:		CFS

TEST: Alkalinity, Total — **METHOD: EPA 310.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	96	mg/L	3.8	10	M Chen	7/15/2009

TEST: Hardness, Calcium — **METHOD: SM 3500-Ca D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	86	mg/L	0.7	1	M Chen	7/20/2009

TEST: Residue, Settleable — **METHOD: SM 2540F**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	7/15/2009

TEST: Residue, Suspended — **METHOD: SM 2540D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	U	mg/L	10	10	A Peeples	7/17/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600007	**Field Determinations**	
Project Name:		**pH:**	
Sample Description:	Emory River mile 1.7	**Chlorine, residual:**	
Sampler Project Name:	TVA Ash Spill	**Conductivity:**	
Project Site No.:	3FB	**Temperature:**	
Station No.:	EMORY001.7RO	**Dissolved Oxygen:**	
Date/Time Collected:	07/14/2009 11:22	**Other:**	
Sampler's Name:	Geoff Klein	**Flow:**	CFS
County:	ROANE - 73		
Sample Matrix:	Water		
EFO:	Knoxville		
Sampling Agency:	TDEC-WPC		
Billing Code:	327.34-20		
Send Report To:	TDEC-WPC		
Agency Invoiced:	TDEC-WPC		
Priority Date:	07/24/2009		
Date/Time Received:	07/14/2009 14:16		
Received By:	E McCrary		

TEST: Alkalinity, Total **METHOD: EPA 310.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	U	mg/L	3.8	10	M Chen	7/15/2009

TEST: Hardness, Calcium **METHOD: SM 3500-Ca D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	U	mg/L	0.7	1	M Chen	7/20/2009

TEST: Residue, Suspended **METHOD: SM 2540D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	U	mg/L	10	10	A Peeples	7/17/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600008
Project Name:	
Sample Description:	Emory River mile 0.1
Sampler Project Name:	TVA Ash Spill
Project Site No.:	4
Station No.:	EMORY000.1RO
Date/Time Collected:	07/14/2009 11:34
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	8.61	pH Units
Chlorine, residual:		
Conductivity:	262	uMHO
Temperature:	25.99	
Dissolved Oxygen:	11.14	mg/L
Other:		
Flow:		CFS

TEST: Alkalinity, Total — **METHOD: EPA 310.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	110	mg/L	3.8	10	M Chen	7/15/2009

TEST: Hardness, Calcium — **METHOD: SM 3500-Ca D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	93	mg/L	0.7	1	M Chen	7/20/2009

TEST: Residue, Settleable — **METHOD: SM 2540F**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	7/15/2009

TEST: Residue, Suspended — **METHOD: SM 2540D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	28	mg/L	10	10	A Peeples	7/17/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600009
Project Name:	
Sample Description:	Clinch River mile 2.3
Sampler Project Name:	TVA Ash Spill
Project Site No.:	5
Station No.:	CLINC002.3RO
Date/Time Collected:	07/14/2009 11:45
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	8.52	pH Units
Chlorine, residual:		
Conductivity:	269	uMHO
Temperature:	26.48	
Dissolved Oxygen:	10.27	mg/L
Other:		
Flow:		CFS

TEST: Alkalinity, Total — **METHOD: EPA 310.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	100	mg/L	3.8	10	M Chen	7/15/2009

TEST: Hardness, Calcium — **METHOD: SM 3500-Ca D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	82	mg/L	0.7	1	M Chen	7/20/2009

TEST: Residue, Settleable — **METHOD: SM 2540F**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	7/15/2009

TEST: Residue, Suspended — **METHOD: SM 2540D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	U	mg/L	10	10	A Peeples	7/17/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600010
Project Name:	
Sample Description:	Clinch River TVA Discharge Point
Sampler Project Name:	TVA Ash Spill
Project Site No.:	5A
Station No.:	King AshOutF2
Date/Time Collected:	07/14/2009 11:52
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	8.02	pH Units
Chlorine, residual:		
Conductivity:	272	uMHO
Temperature:	26.07	
Dissolved Oxygen:	8.26	mg/L
Other:		
Flow:		CFS

TEST: Alkalinity, Total — **METHOD: EPA 310.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	96	mg/L	3.8	10	M Chen	7/15/2009

TEST: Hardness, Calcium — **METHOD: SM 3500-Ca D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	82	mg/L	0.7	1	M Chen	7/20/2009

TEST: Residue, Settleable — **METHOD: SM 2540F**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	7/15/2009

TEST: Residue, Suspended — **METHOD: SM 2540D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	17	mg/L	10	10	A Peeples	7/17/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600011
Project Name:	
Sample Description:	Clinch River mile 4.5 near Sugar Grove Valley R
Sampler Project Name:	TVA Ash Spill
Project Site No.:	6
Station No.:	CLINC004.5RO
Date/Time Collected:	07/14/2009 12:05
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	8.50	pH Units
Chlorine, residual:		
Conductivity:	275	uMHO
Temperature:	25.58	
Dissolved Oxygen:	10.74	mg/L
Other:		
Flow:		CFS

TEST: Alkalinity, Total — **METHOD: EPA 310.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	110	mg/L	3.8	10	M Chen	7/15/2009

TEST: Hardness, Calcium — **METHOD: SM 3500-Ca D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	89	mg/L	0.7	1	M Chen	7/20/2009

TEST: Residue, Settleable — **METHOD: SM 2540F**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Settleable Residue	U	ml/L	0.10	0.10	P Leathers	7/15/2009

TEST: Residue, Suspended — **METHOD: SM 2540D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	U	mg/L	10	10	A Peeples	7/17/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600012	**Field Determinations**	
Project Name:		**pH:**	
Sample Description:	Trip Blank	**Chlorine, residual:**	
Sampler Project Name:	TVA Ash Spill	**Conductivity:**	
Project Site No.:		**Temperature:**	
Station No.:	Trip Blank	**Dissolved Oxygen:**	
Date/Time Collected:	07/14/2009 09:10	**Other:**	
Sampler's Name:	Geoff Klein	**Flow:**	CFS
County:	ROANE - 73		
Sample Matrix:	Water		
EFO:	Knoxville		
Sampling Agency:	TDEC-WPC		
Billing Code:	327.34-20		
Send Report To:	TDEC-WPC		
Agency Invoiced:	TDEC-WPC		
Priority Date:	07/24/2009		
Date/Time Received:	07/14/2009 14:16		
Received By:	E McCrary		

TEST: Alkalinity, Total **METHOD: EPA 310.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	U	mg/L	3.8	10	M Chen	7/15/2009

TEST: Hardness, Calcium **METHOD: SM 3500-Ca D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	U	mg/L	0.7	1	M Chen	7/20/2009

TEST: Residue, Suspended **METHOD: SM 2540D**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Suspended Solids	U	mg/L	10	10	A Peeples	7/17/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

STATE OF TENNESSEE
DEPARTMENT OF HEALTH
ENVIRONMENTAL LABORATORIES

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TDEC-WPC
Knoxville FO
3711 Middlebrook Pike
Knoxville, TN 37921

Lab ID: K00002600
Knoxville Regional Laboratory

Sampling Agency: TDEC: Division of Water Pollution Control

Billing Code: 327.34-20

This is to certify that the following results were determined using good laboratory pratices and in accordance with federal or state approved methodologies.

Analytical Supervisor

Lab-Sample Number:	K00002600001
Project Name:	
Sample Description:	Emory River mile 12.1
Sampler Project Name:	TVA Ash Spill
Project Site No.:	1
Station No.:	EMORY012.1RO
Date/Time Collected:	07/14/2009 10:02
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations		
pH:	7.48	pH Units
Chlorine, residual:		
Conductivity:	120	uMHO
Temperature:	25.89	
Dissolved Oxygen:	5.32	mg/L
Other:		
Flow:		CFS

TEST: Digestion Metals — **METHOD: EPA 200.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	07/16/2009				W Frye	7/16/2009

TEST: ICP — **METHOD: EPA 200.7**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Iron	140	µg/L	2.9	10	S Ufegbu	7/18/2009

TEST: ICP-MS — **METHOD: EPA 200.8**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	51	µg/L	6.4	10	M Pattanayek	7/20/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	7/20/2009
Arsenic	U	µg/L	0.93	5	M Pattanayek	7/20/2009
Barium	33	µg/L	2.5	5	M Pattanayek	7/20/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	7/20/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	7/20/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	7/20/2009
Cobalt	0.15J	µg/L	0.04	1	M Pattanayek	7/20/2009
Copper	1.2	µg/L	0.38	1	M Pattanayek	7/20/2009
Lead	0.32J	µg/L	0.10	1	M Pattanayek	7/20/2009
Manganese	54	µg/L	0.42	1	M Pattanayek	7/20/2009
Nickel	1.0	µg/L	0.25	1	M Pattanayek	7/20/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	7/21/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	7/20/2009
Thallium	0.040J	µg/L	0.03	1	M Pattanayek	7/20/2009
Vanadium	U	µg/L	3.4	5	M Pattanayek	7/20/2009
Zinc	2.9J	µg/L	1.9	5	M Pattanayek	7/20/2009

Lab-Sample Number:	K00002600001
Project Name:	
Sample Description:	Emory River mile 12.1
Sampler Project Name:	TVA Ash Spill
Project Site No.:	1
Station No.:	EMORY012.1RO
Date/Time Collected:	07/14/2009 10:02
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations		
pH:	7.48	pH Units
Chlorine, residual:		
Conductivity:	120	uMHO
Temperature:	25.89	
Dissolved Oxygen:	5.32	mg/L
Other:		
Flow:		CFS

TEST: Mercury **METHOD: EPA 245.1**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	0.11J	µg/L	0.029	0.2	A Wilson	7/21/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600002
Project Name:	
Sample Description:	Emory River mile 2.1
Sampler Project Name:	TVA Ash Spill
Project Site No.:	2
Station No.:	EMORY002.1RO
Date/Time Collected:	07/14/2009 10:54
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	7.82	pH Units
Chlorine, residual:		
Conductivity:	131	uMHO
Temperature:	27.46	
Dissolved Oxygen:	7.87	mg/L
Other:		
Flow:		CFS

TEST: Digestion Metals — **METHOD: EPA 200.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	07/16/2009				W Frye	7/16/2009

TEST: ICP — **METHOD: EPA 200.7**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Iron	210	µg/L	2.9	10	S Ufegbu	7/18/2009

TEST: ICP-MS — **METHOD: EPA 200.8**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	270	µg/L	6.4	10	M Pattanayek	7/21/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	7/20/2009
Arsenic	6.1	µg/L	0.93	5	M Pattanayek	7/20/2009
Barium	52	µg/L	2.5	5	M Pattanayek	7/20/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	7/20/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	7/20/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	7/20/2009
Cobalt	0.48J	µg/L	0.04	1	M Pattanayek	7/20/2009
Copper	1.3	µg/L	0.38	1	M Pattanayek	7/20/2009
Lead	0.43J	µg/L	0.10	1	M Pattanayek	7/20/2009
Manganese	91	µg/L	0.42	1	M Pattanayek	7/20/2009
Nickel	1.3	µg/L	0.25	1	M Pattanayek	7/20/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	7/21/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	7/20/2009
Thallium	0.58J	µg/L	0.03	1	M Pattanayek	7/20/2009
Vanadium	5.1	µg/L	3.4	5	M Pattanayek	7/20/2009
Zinc	2.3J	µg/L	1.9	5	M Pattanayek	7/20/2009

Lab-Sample Number:	K00002600002
Project Name:	
Sample Description:	Emory River mile 2.1
Sampler Project Name:	TVA Ash Spill
Project Site No.:	2
Station No.:	EMORY002.1RO
Date/Time Collected:	07/14/2009 10:54
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations		
pH:	7.82	pH Units
Chlorine, residual:		
Conductivity:	131	uMHO
Temperature:	27.46	
Dissolved Oxygen:	7.87	mg/L
Other:		
Flow:		CFS

TEST: Mercury **METHOD: EPA 245.1**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	U	µg/L	0.029	0.2	A Wilson	7/21/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600003	**Field Determinations**	
Project Name:		**pH:** 7.87	pH Units
Sample Description:	Approx 100' downstream from middle dredge pc	**Chlorine, residual:**	
Sampler Project Name:	TVA Ash Spill	**Conductivity:** 158	uMHO
Project Site No.:	2A	**Temperature:** 26.55	
Station No.:	Dredge Plume	**Dissolved Oxygen:** 7.96	mg/L
Date/Time Collected:	07/14/2009 11:05	**Other:**	
Sampler's Name:	Geoff Klein	**Flow:**	CFS
County:	ROANE - 73		
Sample Matrix:	Water		
EFO:	Knoxville		
Sampling Agency:	TDEC-WPC		
Billing Code:	327.34-20		
Send Report To:	TDEC-WPC		
Agency Invoiced:	TDEC-WPC		
Priority Date:	07/24/2009		
Date/Time Received:	07/14/2009 14:16		
Received By:	E McCrary		

TEST: Digestion Metals **METHOD: EPA 200.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	07/16/2009				W Frye	7/16/2009

TEST: ICP **METHOD: EPA 200.7**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Iron	150	µg/L	2.9	10	S Ufegbu	7/18/2009

TEST: ICP-MS **METHOD: EPA 200.8**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	180	µg/L	6.4	10	M Pattanayek	7/20/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	7/20/2009
Arsenic	4.8J	µg/L	0.93	5	M Pattanayek	7/20/2009
Barium	50	µg/L	2.5	5	M Pattanayek	7/20/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	7/20/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	7/20/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	7/20/2009
Cobalt	0.32J	µg/L	0.04	1	M Pattanayek	7/20/2009
Copper	3.3	µg/L	0.38	1	M Pattanayek	7/20/2009
Lead	0.37J	µg/L	0.10	1	M Pattanayek	7/20/2009
Manganese	62	µg/L	0.42	1	M Pattanayek	7/20/2009
Nickel	1.8	µg/L	0.25	1	M Pattanayek	7/20/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	7/21/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	7/20/2009
Thallium	0.34J	µg/L	0.03	1	M Pattanayek	7/20/2009
Vanadium	U	µg/L	3.4	5	M Pattanayek	7/20/2009
Zinc	3.4J	µg/L	1.9	5	M Pattanayek	7/20/2009

Lab-Sample Number:	K00002600003	**Field Determinations**	
Project Name:		**pH:** 7.87	pH Units
Sample Description:	Approx 100' downstream from middle dredge pc	**Chlorine, residual:**	
Sampler Project Name:	TVA Ash Spill	**Conductivity:** 158	uMHO
Project Site No.:	2A	**Temperature:** 26.55	
Station No.:	Dredge Plume	**Dissolved Oxygen:** 7.96	mg/L
Date/Time Collected:	07/14/2009 11:05	**Other:**	
Sampler's Name:	Geoff Klein	**Flow:**	CFS
County:	ROANE - 73		
Sample Matrix:	Water		
EFO:	Knoxville		
Sampling Agency:	TDEC-WPC		
Billing Code:	327.34-20		
Send Report To:	TDEC-WPC		
Agency Invoiced:	TDEC-WPC		
Priority Date:	07/24/2009		
Date/Time Received:	07/14/2009 14:16		
Received By:	E McCrary		

TEST: Mercury **METHOD: EPA 245.1**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	0.065J	µg/L	0.029	0.2	A Wilson	7/21/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600004	**Field Determinations**	
Project Name:		**pH:** 7.83	pH Units
Sample Description:	Emory River mile 1.9 at underwater weir	**Chlorine, residual:**	
Sampler Project Name:	TVA Ash Spill	**Conductivity:** 191	uMHO
Project Site No.:	2B	**Temperature:** 25.67	
Station No.:	EMORY001.9RO	**Dissolved Oxygen:** 7.94	mg/L
Date/Time Collected:	07/14/2009 11:12	**Other:**	
Sampler's Name:	Geoff Klein	**Flow:**	CFS
County:	ROANE - 73		
Sample Matrix:	Water		
EFO:	Knoxville		
Sampling Agency:	TDEC-WPC		
Billing Code:	327.34-20		
Send Report To:	TDEC-WPC		
Agency Invoiced:	TDEC-WPC		
Priority Date:	07/24/2009		
Date/Time Received:	07/14/2009 14:16		
Received By:	E McCrary		

TEST: Digestion Metals **METHOD: EPA 200.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	07/16/2009				W Frye	7/16/2009

TEST: ICP **METHOD: EPA 200.7**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Iron	150	µg/L	2.9	10	S Ufegbu	7/18/2009

TEST: ICP-MS **METHOD: EPA 200.8**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	160	µg/L	6.4	10	M Pattanayek	7/20/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	7/20/2009
Arsenic	3.6J	µg/L	0.93	5	M Pattanayek	7/20/2009
Barium	46	µg/L	2.5	5	M Pattanayek	7/20/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	7/20/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	7/20/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	7/20/2009
Cobalt	0.27J	µg/L	0.04	1	M Pattanayek	7/20/2009
Copper	2.8	µg/L	0.38	1	M Pattanayek	7/20/2009
Lead	0.29J	µg/L	0.10	1	M Pattanayek	7/20/2009
Manganese	70	µg/L	0.42	1	M Pattanayek	7/20/2009
Nickel	1.3	µg/L	0.25	1	M Pattanayek	7/20/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	7/21/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	7/20/2009
Thallium	0.23J	µg/L	0.03	1	M Pattanayek	7/20/2009
Vanadium	5.5	µg/L	3.4	5	M Pattanayek	7/20/2009
Zinc	2.6J	µg/L	1.9	5	M Pattanayek	7/20/2009

Lab-Sample Number:	K00002600004
Project Name:	
Sample Description:	Emory River mile 1.9 at underwater weir
Sampler Project Name:	TVA Ash Spill
Project Site No.:	2B
Station No.:	EMORY001.9RO
Date/Time Collected:	07/14/2009 11:12
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations		
pH:	7.83	pH Units
Chlorine, residual:		
Conductivity:	191	uMHO
Temperature:	25.67	
Dissolved Oxygen:	7.94	mg/L
Other:		
Flow:		CFS

TEST: Mercury **METHOD: EPA 245.1**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	0.056J	µg/L	0.029	0.2	A Wilson	7/21/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600005
Project Name:	
Sample Description:	Emory River mile 1.7
Sampler Project Name:	TVA Ash Spill
Project Site No.:	3
Station No.:	EMORY001.7RO
Date/Time Collected:	07/14/2009 11:22
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations		
pH:	8.26	pH Units
Chlorine, residual:		
Conductivity:	203	uMHO
Temperature:	26.19	
Dissolved Oxygen:	9.02	mg/L
Other:		
Flow:		CFS

TEST: Digestion Metals **METHOD: EPA 200.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	07/16/2009				W Frye	7/16/2009

TEST: ICP **METHOD: EPA 200.7**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Iron	110	µg/L	2.9	10	S Ufegbu	7/18/2009

TEST: ICP-MS **METHOD: EPA 200.8**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	120	µg/L	6.4	10	M Pattanayek	7/20/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	7/20/2009
Arsenic	2.5J	µg/L	0.93	5	M Pattanayek	7/20/2009
Barium	49	µg/L	2.5	5	M Pattanayek	7/20/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	7/20/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	7/20/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	7/20/2009
Cobalt	0.28J	µg/L	0.04	1	M Pattanayek	7/20/2009
Copper	2.0	µg/L	0.38	1	M Pattanayek	7/20/2009
Lead	0.25J	µg/L	0.10	1	M Pattanayek	7/20/2009
Manganese	54	µg/L	0.42	1	M Pattanayek	7/20/2009
Nickel	1.6	µg/L	0.25	1	M Pattanayek	7/20/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	7/21/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	7/20/2009
Thallium	0.19J	µg/L	0.03	1	M Pattanayek	7/20/2009
Vanadium	3.5J	µg/L	3.4	5	M Pattanayek	7/20/2009
Zinc	2.4J	µg/L	1.9	5	M Pattanayek	7/20/2009

Lab-Sample Number:	K00002600005
Project Name:	
Sample Description:	Emory River mile 1.7
Sampler Project Name:	TVA Ash Spill
Project Site No.:	3
Station No.:	EMORY001.7RO
Date/Time Collected:	07/14/2009 11:22
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	8.26	pH Units
Chlorine, residual:		
Conductivity:	203	uMHO
Temperature:	26.19	
Dissolved Oxygen:	9.02	mg/L
Other:		
Flow:		CFS

TEST: Mercury **METHOD: EPA 245.1**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	0.040J	µg/L	0.029	0.2	A Wilson	7/21/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600006
Project Name:	
Sample Description:	Emory River mile 1.7
Sampler Project Name:	TVA Ash Spill
Project Site No.:	3FD
Station No.:	EMORY001.7RO
Date/Time Collected:	07/14/2009 11:22
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations		
pH:	8.26	pH Units
Chlorine, residual:		
Conductivity:	203	uMHO
Temperature:	26.19	
Dissolved Oxygen:	9.02	mg/L
Other:		
Flow:		CFS

TEST: Digestion Metals **METHOD: EPA 200.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	07/16/2009				W Frye	7/16/2009

TEST: ICP **METHOD: EPA 200.7**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Iron	110	µg/L	2.9	10	S Ufegbu	7/18/2009

TEST: ICP-MS **METHOD: EPA 200.8**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	96	µg/L	6.4	10	M Pattanayek	7/20/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	7/20/2009
Arsenic	1.6J	µg/L	0.93	5	M Pattanayek	7/20/2009
Barium	37	µg/L	2.5	5	M Pattanayek	7/20/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	7/20/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	7/20/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	7/20/2009
Cobalt	0.19J	µg/L	0.04	1	M Pattanayek	7/20/2009
Copper	1.8	µg/L	0.38	1	M Pattanayek	7/20/2009
Lead	0.20J	µg/L	0.10	1	M Pattanayek	7/20/2009
Manganese	40	µg/L	0.42	1	M Pattanayek	7/20/2009
Nickel	1.3	µg/L	0.25	1	M Pattanayek	7/20/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	7/20/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	7/20/2009
Thallium	0.12J	µg/L	0.03	1	M Pattanayek	7/20/2009
Vanadium	U	µg/L	3.4	5	M Pattanayek	7/20/2009
Zinc	2.9J	µg/L	1.9	5	M Pattanayek	7/20/2009

Lab-Sample Number:	K00002600006
Project Name:	
Sample Description:	Emory River mile 1.7
Sampler Project Name:	TVA Ash Spill
Project Site No.:	3FD
Station No.:	EMORY001.7RO
Date/Time Collected:	07/14/2009 11:22
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	8.26	pH Units
Chlorine, residual:		
Conductivity:	203	uMHO
Temperature:	26.19	
Dissolved Oxygen:	9.02	mg/L
Other:		
Flow:		CFS

TEST: Mercury **METHOD: EPA 245.1**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	0.055J	µg/L	0.029	0.2	A Wilson	7/21/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600007	**Field Determinations**	
Project Name:		**pH:**	
Sample Description:	Emory River mile 1.7	**Chlorine, residual:**	
Sampler Project Name:	TVA Ash Spill	**Conductivity:**	
Project Site No.:	3FB	**Temperature:**	
Station No.:	EMORY001.7RO	**Dissolved Oxygen:**	
Date/Time Collected:	07/14/2009 11:22	**Other:**	
Sampler's Name:	Geoff Klein	**Flow:**	CFS
County:	ROANE - 73		
Sample Matrix:	Water		
EFO:	Knoxville		
Sampling Agency:	TDEC-WPC		
Billing Code:	327.34-20		
Send Report To:	TDEC-WPC		
Agency Invoiced:	TDEC-WPC		
Priority Date:	07/24/2009		
Date/Time Received:	07/14/2009 14:16		
Received By:	E McCrary		

TEST: Digestion Metals **METHOD: EPA 200.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	07/16/2009				W Frye	7/16/2009

TEST: ICP **METHOD: EPA 200.7**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Iron	U	µg/L	2.9	10	S Ufegbu	7/18/2009

TEST: ICP-MS **METHOD: EPA 200.8**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	U	µg/L	6.4	10	M Pattanayek	7/20/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	7/20/2009
Arsenic	U	µg/L	0.93	5	M Pattanayek	7/20/2009
Barium	U	µg/L	2.5	5	M Pattanayek	7/20/2009
Beryllium	0.13J	µg/L	0.11	1	M Pattanayek	7/20/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	7/20/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	7/20/2009
Cobalt	0.13J	µg/L	0.04	1	M Pattanayek	7/20/2009
Copper	U	µg/L	0.38	1	M Pattanayek	7/20/2009
Lead	0.13J	µg/L	0.10	1	M Pattanayek	7/20/2009
Manganese	U	µg/L	0.42	1	M Pattanayek	7/20/2009
Nickel	U	µg/L	0.25	1	M Pattanayek	7/20/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	7/21/2009
Silver	0.072J	µg/L	0.03	0.25	M Pattanayek	7/20/2009
Thallium	0.67J	µg/L	0.03	1	M Pattanayek	7/20/2009
Vanadium	U	µg/L	3.4	5	M Pattanayek	7/20/2009
Zinc	U	µg/L	1.9	5	M Pattanayek	7/20/2009

Lab-Sample Number:	K00002600007	**Field Determinations**	
Project Name:		**pH:**	
Sample Description:	Emory River mile 1.7	**Chlorine, residual:**	
Sampler Project Name:	TVA Ash Spill	**Conductivity:**	
Project Site No.:	3FB	**Temperature:**	
Station No.:	EMORY001.7RO	**Dissolved Oxygen:**	
Date/Time Collected:	07/14/2009 11:22	**Other:**	
Sampler's Name:	Geoff Klein	**Flow:**	CFS
County:	ROANE - 73		
Sample Matrix:	Water		
EFO:	Knoxville		
Sampling Agency:	TDEC-WPC		
Billing Code:	327.34-20		
Send Report To:	TDEC-WPC		
Agency Invoiced:	TDEC-WPC		
Priority Date:	07/24/2009		
Date/Time Received:	07/14/2009 14:16		
Received By:	E McCrary		

TEST: Mercury **METHOD: EPA 245.1**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	U	µg/L	0.029	0.2	A Wilson	7/21/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600008	**Field Determinations**	
Project Name:		**pH:** 8.61	pH Units
Sample Description:	Emory River mile 0.1	**Chlorine, residual:**	
Sampler Project Name:	TVA Ash Spill	**Conductivity:** 262	uMHO
Project Site No.:	4	**Temperature:** 25.99	
Station No.:	EMORY000.1RO	**Dissolved Oxygen:** 11.14	mg/L
Date/Time Collected:	07/14/2009 11:34	**Other:**	
Sampler's Name:	Geoff Klein	**Flow:**	CFS
County:	ROANE - 73		
Sample Matrix:	Water		
EFO:	Knoxville		
Sampling Agency:	TDEC-WPC		
Billing Code:	327.34-20		
Send Report To:	TDEC-WPC		
Agency Invoiced:	TDEC-WPC		
Priority Date:	07/24/2009		
Date/Time Received:	07/14/2009 14:16		
Received By:	E McCrary		

TEST: Digestion Metals **METHOD: EPA 200.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	07/16/2009				W Frye	7/16/2009

TEST: ICP **METHOD: EPA 200.7**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Iron	300	µg/L	2.9	10	S Ufegbu	7/18/2009

TEST: ICP-MS **METHOD: EPA 200.8**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	310	µg/L	6.4	10	M Pattanayek	7/21/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	7/20/2009
Arsenic	4.2J	µg/L	0.93	5	M Pattanayek	7/20/2009
Barium	50	µg/L	2.5	5	M Pattanayek	7/20/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	7/20/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	7/20/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	7/20/2009
Cobalt	0.51J	µg/L	0.04	1	M Pattanayek	7/20/2009
Copper	2.1	µg/L	0.38	1	M Pattanayek	7/20/2009
Lead	0.62J	µg/L	0.10	1	M Pattanayek	7/20/2009
Manganese	110	µg/L	0.42	1	M Pattanayek	7/20/2009
Nickel	1.8	µg/L	0.25	1	M Pattanayek	7/20/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	7/20/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	7/21/2009
Thallium	0.25J	µg/L	0.03	1	M Pattanayek	7/20/2009
Vanadium	3.9J	µg/L	3.4	5	M Pattanayek	7/20/2009
Zinc	2.9J	µg/L	1.9	5	M Pattanayek	7/20/2009

Lab-Sample Number:	K00002600008
Project Name:	
Sample Description:	Emory River mile 0.1
Sampler Project Name:	TVA Ash Spill
Project Site No.:	4
Station No.:	EMORY000.1RO
Date/Time Collected:	07/14/2009 11:34
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	8.61	pH Units
Chlorine, residual:		
Conductivity:	262	uMHO
Temperature:	25.99	
Dissolved Oxygen:	11.14	mg/L
Other:		
Flow:		CFS

TEST: Mercury **METHOD: EPA 245.1**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	0.033J	µg/L	0.029	0.2	A Wilson	7/21/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600009
Project Name:	
Sample Description:	Clinch River mile 2.3
Sampler Project Name:	TVA Ash Spill
Project Site No.:	5
Station No.:	CLINC002.3RO
Date/Time Collected:	07/14/2009 11:45
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	8.52	pH Units
Chlorine, residual:		
Conductivity:	269	uMHO
Temperature:	26.48	
Dissolved Oxygen:	10.27	mg/L
Other:		
Flow:		CFS

TEST: Digestion Metals — **METHOD: EPA 200.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	07/16/2009				W Frye	7/16/2009

TEST: ICP — **METHOD: EPA 200.7**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Iron	74	µg/L	2.9	10	S Ufegbu	7/18/2009

TEST: ICP-MS — **METHOD: EPA 200.8**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	U	µg/L	6.4	10	M Pattanayek	7/20/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	7/20/2009
Arsenic	2.7J	µg/L	0.93	5	M Pattanayek	7/20/2009
Barium	43	µg/L	2.5	5	M Pattanayek	7/20/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	7/20/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	7/20/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	7/20/2009
Cobalt	0.18J	µg/L	0.04	1	M Pattanayek	7/20/2009
Copper	3.1	µg/L	0.38	1	M Pattanayek	7/20/2009
Lead	0.16J	µg/L	0.10	1	M Pattanayek	7/20/2009
Manganese	34	µg/L	0.42	1	M Pattanayek	7/20/2009
Nickel	1.3	µg/L	0.25	1	M Pattanayek	7/20/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	7/21/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	7/20/2009
Thallium	0.14J	µg/L	0.03	1	M Pattanayek	7/20/2009
Vanadium	4.1J	µg/L	3.4	5	M Pattanayek	7/20/2009
Zinc	2.7J	µg/L	1.9	5	M Pattanayek	7/20/2009

Lab-Sample Number:	K00002600009
Project Name:	
Sample Description:	Clinch River mile 2.3
Sampler Project Name:	TVA Ash Spill
Project Site No.:	5
Station No.:	CLINC002.3RO
Date/Time Collected:	07/14/2009 11:45
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	8.52	pH Units
Chlorine, residual:		
Conductivity:	269	uMHO
Temperature:	26.48	
Dissolved Oxygen:	10.27	mg/L
Other:		
Flow:		CFS

TEST: Mercury **METHOD: EPA 245.1**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	0.058J	µg/L	0.029	0.2	A Wilson	7/21/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600010	**Field Determinations**	
Project Name:		**pH:** 8.02	pH Units
Sample Description:	Clinch River TVA Discharge Point	**Chlorine, residual:**	
Sampler Project Name:	TVA Ash Spill	**Conductivity:** 272	uMHO
Project Site No.:	5A	**Temperature:** 26.07	
Station No.:	King AshOutF2	**Dissolved Oxygen:** 8.26	mg/L
Date/Time Collected:	07/14/2009 11:52	**Other:**	
Sampler's Name:	Geoff Klein	**Flow:**	CFS
County:	ROANE - 73		
Sample Matrix:	Water		
EFO:	Knoxville		
Sampling Agency:	TDEC-WPC		
Billing Code:	327.34-20		
Send Report To:	TDEC-WPC		
Agency Invoiced:	TDEC-WPC		
Priority Date:	07/24/2009		
Date/Time Received:	07/14/2009 14:16		
Received By:	E McCrary		

TEST: Digestion Metals — **METHOD: EPA 200.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	07/16/2009				W Frye	7/16/2009

TEST: ICP — **METHOD: EPA 200.7**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Iron	160	µg/L	2.9	10	S Ufegbu	7/18/2009

TEST: ICP-MS — **METHOD: EPA 200.8**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	180	µg/L	6.4	10	M Pattanayek	7/21/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	7/20/2009
Arsenic	4.6J	µg/L	0.93	5	M Pattanayek	7/20/2009
Barium	52	µg/L	2.5	5	M Pattanayek	7/20/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	7/20/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	7/20/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	7/20/2009
Cobalt	0.28J	µg/L	0.04	1	M Pattanayek	7/20/2009
Copper	5.0	µg/L	0.38	1	M Pattanayek	7/20/2009
Lead	0.31J	µg/L	0.10	1	M Pattanayek	7/20/2009
Manganese	56	µg/L	0.42	1	M Pattanayek	7/20/2009
Nickel	1.5	µg/L	0.25	1	M Pattanayek	7/20/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	7/21/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	7/20/2009
Thallium	0.14J	µg/L	0.03	1	M Pattanayek	7/20/2009
Vanadium	6.7	µg/L	3.4	5	M Pattanayek	7/20/2009
Zinc	3.0J	µg/L	1.9	5	M Pattanayek	7/20/2009

Lab-Sample Number:	K00002600010
Project Name:	
Sample Description:	Clinch River TVA Discharge Point
Sampler Project Name:	TVA Ash Spill
Project Site No.:	5A
Station No.:	King AshOutF2
Date/Time Collected:	07/14/2009 11:52
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations		
pH:	8.02	pH Units
Chlorine, residual:		
Conductivity:	272	uMHO
Temperature:	26.07	
Dissolved Oxygen:	8.26	mg/L
Other:		
Flow:		CFS

TEST: Mercury **METHOD: EPA 245.1**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	0.034J	µg/L	0.029	0.2	A Wilson	7/21/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600011	**Field Determinations**	
Project Name:		**pH:** 8.50	pH Units
Sample Description:	Clinch River mile 4.5 near Sugar Grove Valley R	**Chlorine, residual:**	
Sampler Project Name:	TVA Ash Spill	**Conductivity:** 275	uMHO
Project Site No.:	6	**Temperature:** 25.58	
Station No.:	CLINC004.5RO	**Dissolved Oxygen:** 10.74	mg/L
Date/Time Collected:	07/14/2009 12:05	**Other:**	
Sampler's Name:	Geoff Klein	**Flow:**	CFS
County:	ROANE - 73		
Sample Matrix:	Water		
EFO:	Knoxville		
Sampling Agency:	TDEC-WPC		
Billing Code:	327.34-20		
Send Report To:	TDEC-WPC		
Agency Invoiced:	TDEC-WPC		
Priority Date:	07/24/2009		
Date/Time Received:	07/14/2009 14:16		
Received By:	E McCrary		

TEST: Digestion Metals **METHOD: EPA 200.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	07/16/2009				W Frye	7/16/2009

TEST: ICP **METHOD: EPA 200.7**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Iron	86	µg/L	2.9	10	S Ufegbu	7/18/2009

TEST: ICP-MS **METHOD: EPA 200.8**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	77	µg/L	6.4	10	M Pattanayek	7/20/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	7/20/2009
Arsenic	1.5J	µg/L	0.93	5	M Pattanayek	7/20/2009
Barium	34	µg/L	2.5	5	M Pattanayek	7/20/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	7/20/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	7/20/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	7/20/2009
Cobalt	0.17J	µg/L	0.04	1	M Pattanayek	7/20/2009
Copper	1.5	µg/L	0.38	1	M Pattanayek	7/20/2009
Lead	0.17J	µg/L	0.10	1	M Pattanayek	7/20/2009
Manganese	35	µg/L	0.42	1	M Pattanayek	7/20/2009
Nickel	1.4	µg/L	0.25	1	M Pattanayek	7/20/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	7/21/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	7/20/2009
Thallium	0.17J	µg/L	0.03	1	M Pattanayek	7/20/2009
Vanadium	U	µg/L	3.4	5	M Pattanayek	7/20/2009
Zinc	U	µg/L	1.9	5	M Pattanayek	7/20/2009

Lab-Sample Number:	K00002600011
Project Name:	
Sample Description:	Clinch River mile 4.5 near Sugar Grove Valley R
Sampler Project Name:	TVA Ash Spill
Project Site No.:	6
Station No.:	CLINC004.5RO
Date/Time Collected:	07/14/2009 12:05
Sampler's Name:	Geoff Klein
County:	ROANE - 73
Sample Matrix:	Water
EFO:	Knoxville
Sampling Agency:	TDEC-WPC
Billing Code:	327.34-20
Send Report To:	TDEC-WPC
Agency Invoiced:	TDEC-WPC
Priority Date:	07/24/2009
Date/Time Received:	07/14/2009 14:16
Received By:	E McCrary

Field Determinations

pH:	8.50	pH Units
Chlorine, residual:		
Conductivity:	275	uMHO
Temperature:	25.58	
Dissolved Oxygen:	10.74	mg/L
Other:		
Flow:		CFS

TEST: Mercury **METHOD: EPA 245.1**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	U	µg/L	0.029	0.2	A Wilson	7/21/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected

Lab-Sample Number:	K00002600012	**Field Determinations**	
Project Name:		**pH:**	
Sample Description:	Trip Blank	**Chlorine, residual:**	
Sampler Project Name:	TVA Ash Spill	**Conductivity:**	
Project Site No.:		**Temperature:**	
Station No.:	Trip Blank	**Dissolved Oxygen:**	
Date/Time Collected:	07/14/2009 09:10	**Other:**	
Sampler's Name:	Geoff Klein	**Flow:**	CFS
County:	ROANE - 73		
Sample Matrix:	Water		
EFO:	Knoxville		
Sampling Agency:	TDEC-WPC		
Billing Code:	327.34-20		
Send Report To:	TDEC-WPC		
Agency Invoiced:	TDEC-WPC		
Priority Date:	07/24/2009		
Date/Time Received:	07/14/2009 14:16		
Received By:	E McCrary		

TEST: Digestion Metals **METHOD: EPA 200.2**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Digestion Metals	07/16/2009				W Frye	7/16/2009

TEST: ICP **METHOD: EPA 200.7**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Iron	U	µg/L	2.9	10	S Ufegbu	7/18/2009

TEST: ICP-MS **METHOD: EPA 200.8**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Aluminum	U	µg/L	6.4	10	M Pattanayek	7/20/2009
Antimony	U	µg/L	0.33	1	M Pattanayek	7/20/2009
Arsenic	U	µg/L	0.93	5	M Pattanayek	7/20/2009
Barium	U	µg/L	2.5	5	M Pattanayek	7/20/2009
Beryllium	U	µg/L	0.11	1	M Pattanayek	7/20/2009
Cadmium	U	µg/L	0.41	1	M Pattanayek	7/20/2009
Chromium	U	µg/L	2.0	5	M Pattanayek	7/20/2009
Cobalt	0.38J	µg/L	0.04	1	M Pattanayek	7/20/2009
Copper	U	µg/L	0.38	1	M Pattanayek	7/20/2009
Lead	U	µg/L	0.10	1	M Pattanayek	7/20/2009
Manganese	U	µg/L	0.42	1	M Pattanayek	7/20/2009
Nickel	0.38J	µg/L	0.25	1	M Pattanayek	7/20/2009
Selenium	U	µg/L	1.3	5	M Pattanayek	7/21/2009
Silver	U	µg/L	0.03	0.25	M Pattanayek	7/20/2009
Thallium	0.042J	µg/L	0.03	1	M Pattanayek	7/20/2009
Vanadium	U	µg/L	3.4	5	M Pattanayek	7/20/2009
Zinc	U	µg/L	1.9	5	M Pattanayek	7/20/2009

Lab-Sample Number:	K00002600012		**Field Determinations**	
Project Name:			**pH:**	
Sample Description:	Trip Blank		**Chlorine, residual:**	
Sampler Project Name:	TVA Ash Spill		**Conductivity:**	
Project Site No.:			**Temperature:**	
Station No.:	Trip Blank		**Dissolved Oxygen:**	
Date/Time Collected:	07/14/2009	09:10	**Other:**	
Sampler's Name:	Geoff Klein		**Flow:**	CFS
County:	ROANE - 73			
Sample Matrix:	Water			
EFO:	Knoxville			
Sampling Agency:	TDEC-WPC			
Billing Code:	327.34-20			
Send Report To:	TDEC-WPC			
Agency Invoiced:	TDEC-WPC			
Priority Date:	07/24/2009			
Date/Time Received:	07/14/2009	14:16		
Received By:	E McCrary			

TEST: Mercury **METHOD: EPA 245.1**

ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Mercury	0.043J	µg/L	0.029	0.2	A Wilson	7/21/2009

J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected