

Sample Number: 509500
Project Code: CMP-FK
Agency Number:
Date Collected: 9/14/2011
Time Collected: 1428
Date Received: 9/15/2011
Date Completed: 10/25/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/25/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by Radio Chemistry
EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA		10.17	pCi/L	09/22/11	7110B	
GROSS BETA COUNTING ERROR		1.913	pCi/L	09/22/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals Gen. Chem.

SOURCE: LAKE TEXOMA

SAMPLERS COMMENTS:

SITE # 18; BRIAR CR. AND THE RED R. CONFLUENCE

SAMPLE RECEIVING COMMENTS:

ICE; TEMP= 7.4

ANALYST'S COMMENTS:

Greg Goode

* ANALYST

Greg Goode
State Environmental Laboratory

Sample Number: 509500
Project Code: CMP-FK
Agency Number:
Date Collected: 9/14/2011
Time Collected: 1428
Date Received: 9/15/2011
Date Completed: 09/22/2011
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Facility:
Report Date: 9/22/2011

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OKLAHOMA CITY
OKLAHOMA, 73102-6010
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Report of Analysis by General Chem.
EPA Drinking Water Certification #OK00013

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DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Specific Conductance		2340	uMHO/CM	09/15/11	2510B	
pH, Liquid		8.18	STD UNIT	09/15/11	150.1	
Chloride		534	MG/L	09/22/11	325.2	
Sulfate		289	MG/L	09/16/11	375.4	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals Gen. Chem.

SOURCE: LAKE TEXOMA

SAMPLERS COMMENTS:

SITE # 18; BRIAR CR. AND THE RED R. CONFLUENCE

SAMPLE RECEIVING COMMENTS:

ICE; TEMP= 7.4

ANALYST'S COMMENTS:

* ANALYST

Susan Mensik

Susan Mensik

State Environmental Laboratory

Sample Number: 509501
Project Code: CMP-FK
Agency Number:
Date Collected: 9/14/2011
Time Collected: 1600
Date Received: 9/15/2011
Date Completed: 10/25/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/25/2011

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OKLAHOMA CITY
OKLAHOMA, 73102-6010
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Sample Receiving: (405) 702-1113
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CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA		28.56	pCi/L	09/22/11	7110B	
GROSS BETA COUNTING ERROR		8.633	pCi/L	09/22/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE # 19; RED RIVER NEAR HICKORY CR. CONFLUENCE

SAMPLE RECEIVING COMMENTS:

ICE; TEMP= 7.4

ANALYST'S COMMENTS:

Greg Goode

* ANALYST

Greg Goode
State Environmental Laboratory

Sample Number: 509501
Project Code: CMP-FK
Agency Number:
Date Collected: 9/14/2011
Time Collected: 1600
Date Received: 9/15/2011
Date Completed: 09/22/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/22/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Specific Conductance		8100	uMHO/CM	09/15/11	2510B	
pH, Liquid		8.18	STD UNIT	09/15/11	150.1	
Chloride		2080	MG/L	09/22/11	325.2	
Sulfate		1060	MG/L	09/16/11	375.4	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE # 19; RED RIVER NEAR HICKORY CR. CONFLUENCE

SAMPLE RECEIVING COMMENTS:

ICE; TEMP= 7.4

ANALYST'S COMMENTS:

* ANALYST Susan Mensik

Susan Mensik
State Environmental Laboratory

Sample Number: 509502
Project Code: CMP-FK
Agency Number:
Date Collected: 9/14/2011
Time Collected: 1701
Date Received: 9/15/2011
Date Completed: 10/25/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/27/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
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General Inquiries: 1-800-869-1400
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To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA	MI <	26.54	pCi/L	09/22/11	7110B	
GROSS BETA COUNTING ERROR		8.290	pCi/L	09/22/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE # 20; RED RIVER APPROX. 1 MILE DOWNSTREAM OF HORSESHOE BEND

SAMPLE RECEIVING COMMENTS:

ICE; TEMP= 7.4

ANALYST'S COMMENTS:

(MI) Matrix interference - The extremely high specific conductance of the sample interfered with the analysis of this analyte. Result biased high.

* * ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 509502
Project Code: CMP-FK
Agency Number:
Date Collected: 9/14/2011
Time Collected: 1701
Date Received: 9/15/2011
Date Completed: 09/22/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/22/2011

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BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Specific Conductance		7560	uMHO/CM	09/15/11	2510B	
pH, Liquid		7.68	STD UNIT	09/15/11	150.1	
Chloride		1950	MG/L	09/22/11	325.2	
Sulfate		965	MG/L	09/16/11	375.4	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE # 20; RED RIVER APPROX. 1 MILE DOWNSTREAM OF HORSESHOE BEND

SAMPLE RECEIVING COMMENTS:

ICE; TEMP= 7.4

ANALYST'S COMMENTS:

* ANALYST

Susan Mensik

Susan Mensik

State Environmental Laboratory

Sample Number: 510850
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 10/5/2011
 Time Collected: 1148
 Date Received: 10/6/2011
 Date Completed: 10/10/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractabi		1.00				
Acenaphthylene	<	10	UG/L	10/07/11	8270DM	
Acenaphthene	<	10	UG/L	10/07/11	8270DM	
Anthracene	<	10	UG/L	10/07/11	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)pyrene	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	10	UG/L	10/07/11	8270DM	
Butylbenzylphthalate	<	10	UG/L	10/07/11	8270DM	
Chrysene	<	10	UG/L	10/07/11	8270DM	
Diethylphthalate	<	10	UG/L	10/07/11	8270DM	
Dimethylphthalate	<	10	UG/L	10/07/11	8270DM	
Fluoranthene	<	10	UG/L	10/07/11	8270DM	
Fluorene	<	10	UG/L	10/07/11	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	10/07/11	8270DM	
Hexachloroethane in water	<	10	UG/L	10/07/11	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	10/07/11	8270DM	
Isophorone	<	10	UG/L	10/07/11	8270DM	
Nitrosodipropylamine	<	10	UG/L	10/07/11	8270DM	
Nitrosodiphenylamine	<	10	UG/L	10/07/11	8270DM	
Nitrobenzene	<	10	UG/L	10/07/11	8270DM	
p-Chloro-m-cresol	<	10	UG/L	10/07/11	8270DM	
Phenanthrene	<	10	UG/L	10/07/11	8270DM	
Pyrene	<	10	UG/L	10/07/11	8270DM	
Benzo(ghi)perylene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)anthracene	<	10	UG/L	10/07/11	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	10/07/11	8270DM	
2-Chloronaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Chlorophenol	<	10	UG/L	10/07/11	8270DM	
2-Nitrophenol	<	10	UG/L	10/07/11	8270DM	
Di-n-octylphthalate	<	10	UG/L	10/07/11	8270DM	

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 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dimethylphenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrophenol	<	50	UG/L	10/07/11	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
3,3'-Dichlorobenzidine	<	20	UG/L	10/07/11	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	10/07/11	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	10/07/11	8270DM	
4-Nitrophenol	<	50	UG/L	10/07/11	8270DM	
4,6-Dinitro-o-cresol	<	50	UG/L	10/07/11	8270DM	
Phenol	<	10	UG/L	10/07/11	8270DM	
Naphthalene	<	10	UG/L	10/07/11	8270DM	
Pentachlorophenol	<	50	UG/L	10/07/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	10/07/11	8270DM	
Di-n-butylphthalate	<	10	UG/L	10/07/11	8270DM	
Hexachlorobenzene	<	10	UG/L	10/07/11	8270DM	
Hexachlorobutadiene	<	10	UG/L	10/07/11	8270DM	
Dibenzofuran	<	10	UG/L	10/07/11	8270DM	
2-Methylnaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Methylphenol	<	10	UG/L	10/07/11	8270DM	
4-Methylphenol	<	10	UG/L	10/07/11	8270DM	
2,4,5-Trichlorophenol	<	50	UG/L	10/07/11	8270DM	
4-Chloroaniline	<	10	UG/L	10/07/11	8270DM	
2-Nitroaniline	<	50	UG/L	10/07/11	8270DM	
3-Nitroaniline	<	50	UG/L	10/07/11	8270DM	
4-Nitroaniline	<	50	UG/L	10/07/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		46
P-TERPHENYL-D14		84
PHENOL-D5		17
2,4,6-TRIBROMOPHENOL		60

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BUCK WRAY/ODWC

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		51
2-FLUOROPHENOL		26

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS

SOURCE: TEXOMA LAKE

SAMPLERS COMMENTS:

PH=8.35;DO=8.24MG/L;SPEC=2,501US; SITE # 21

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

(NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis.

*

* ANALYST

Cassandra Kontas

Sample Number: 510850
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1148
Date Received: 10/6/2011
Date Completed: 10/14/2011
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Report Date: 10/14/2011

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DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	10.0	UG/L	10/13/11	200.7	
Barium, Total		159	UG/L	10/13/11	200.7	
Beryllium, Total	<	2.00	UG/L	10/13/11	200.7	
Cadmium, Total	<	5.00	UG/L	10/13/11	200.7	
Chromium, Total	<	5.00	UG/L	10/13/11	200.7	
Copper, Total	<	5.00	UG/L	10/13/11	200.7	
Lead, Total	<	10.0	UG/L	10/13/11	200.7	
Thallium, Total	<	10.0	UG/L	10/13/11	200.7	
Nickel, Total	<	10.0	UG/L	10/13/11	200.7	
Silver, Total	<	5.00	UG/L	10/13/11	200.7	
Zinc, Total	<	5.00	UG/L	10/13/11	200.7	
Antimony, Total	<	10.0	UG/L	10/13/11	200.7	
Selenium, Total	<	10.0	UG/L	10/13/11	200.7	
Mercury, Total	<	0.05	UG/L	10/14/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS

SOURCE: TEXOMA LAKE

SAMPLERS COMMENTS:

PH=8.35;DO=8.24MG/L;SPEC=2,501US; SITE # 21

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:



* ANALYST

Sample Number: 510850
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1148
Date Received: 10/6/2011
Date Completed: 10/24/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/24/2011

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BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA		12.53	pCi/L	10/13/11	7110B	
GROSS BETA COUNTING ERROR		2.679	pCi/L	10/13/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS

SOURCE: TEXOMA LAKE

SAMPLERS COMMENTS:

PH=8.35;DO=8.24MG/L;SPEC=2,501US; SITE # 21

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 510851
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 10/5/2011
 Time Collected: 1322
 Date Received: 10/6/2011
 Date Completed: 10/10/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 10/10/2011

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 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractabl		1.00				
Acenaphthylene	<	10	UG/L	10/07/11	8270DM	
Acenaphthene	<	10	UG/L	10/07/11	8270DM	
Anthracene	<	10	UG/L	10/07/11	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)pyrene	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	10	UG/L	10/07/11	8270DM	
Butylbenzylphthalate	<	10	UG/L	10/07/11	8270DM	
Chrysene	<	10	UG/L	10/07/11	8270DM	
Diethylphthalate	<	10	UG/L	10/07/11	8270DM	
Dimethylphthalate	<	10	UG/L	10/07/11	8270DM	
Fluoranthene	<	10	UG/L	10/07/11	8270DM	
Fluorene	<	10	UG/L	10/07/11	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	10/07/11	8270DM	
Hexachloroethane in water	<	10	UG/L	10/07/11	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	10/07/11	8270DM	
Isophorone	<	10	UG/L	10/07/11	8270DM	
Nitrosodipropylamine	<	10	UG/L	10/07/11	8270DM	
Nitrosodiphenylamine	<	10	UG/L	10/07/11	8270DM	
Nitrobenzene	<	10	UG/L	10/07/11	8270DM	
p-Chloro-m-cresol	<	10	UG/L	10/07/11	8270DM	
Phenanthrene	<	10	UG/L	10/07/11	8270DM	
Pyrene	<	10	UG/L	10/07/11	8270DM	
Benzo(ghi)perylene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)anthracene	<	10	UG/L	10/07/11	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	10/07/11	8270DM	
2-Chloronaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Chlorophenol	<	10	UG/L	10/07/11	8270DM	
2-Nitrophenol	<	10	UG/L	10/07/11	8270DM	
Di-n-octylphthalate	<	10	UG/L	10/07/11	8270DM	

Sample Number: 510851
 Project Code: CMP-FK
 Agency Number:
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 Time Collected: 1322
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 Collected By: BM
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OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-800-869-1400
 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dimethylphenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrophenol	<	50	UG/L	10/07/11	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
3,3'-Dichlorobenzidine	<	20	UG/L	10/07/11	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	10/07/11	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	10/07/11	8270DM	
4-Nitrophenol	<	50	UG/L	10/07/11	8270DM	
4,6-Dinitro-o-cresol	<	50	UG/L	10/07/11	8270DM	
Phenol	<	10	UG/L	10/07/11	8270DM	
Naphthalene	<	10	UG/L	10/07/11	8270DM	
Pentachlorophenol	<	50	UG/L	10/07/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	10/07/11	8270DM	
Di-n-butylphthalate	<	10	UG/L	10/07/11	8270DM	
Hexachlorobenzene	<	10	UG/L	10/07/11	8270DM	
Hexachlorobutadiene	<	10	UG/L	10/07/11	8270DM	
Dibenzofuran	<	10	UG/L	10/07/11	8270DM	
2-Methylnaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Methylphenol	<	10	UG/L	10/07/11	8270DM	
4-Methylphenol	<	10	UG/L	10/07/11	8270DM	
2,4,5-Trichlorophenol	<	50	UG/L	10/07/11	8270DM	
4-Chloroaniline	<	10	UG/L	10/07/11	8270DM	
2-Nitroaniline	<	50	UG/L	10/07/11	8270DM	
3-Nitroaniline	<	50	UG/L	10/07/11	8270DM	
4-Nitroaniline	<	50	UG/L	10/07/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		48
2-FLUOROPHENOL		25
PHENOL-D5		17
P-TERPHENYL-D14		90

Sample Number: 510851
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1322
Date Received: 10/6/2011
Date Completed: 10/10/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		46
2,4,6-TRIBROMOPHENOL		64

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS

SOURCE: TEXOMA LAKE

SAMPLERS COMMENTS:

PH=8.34;DO=8.61MG/L;SPEC=2,379US; TEMP=22.73; SITE #22

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

(NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis.

*

* ANALYST

Cassandra Kontas

Sample Number: 510851
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1322
Date Received: 10/6/2011
Date Completed: 10/14/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/14/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by Metals
EPA Drinking Water Certification #OK09013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	10.0	UG/L	10/13/11	200.7	
Barium, Total		188	UG/L	10/13/11	200.7	
Beryllium, Total	<	2.00	UG/L	10/13/11	200.7	
Cadmium, Total	<	5.00	UG/L	10/13/11	200.7	
Chromium, Total		6.30	UG/L	10/13/11	200.7	
Copper, Total	<	5.00	UG/L	10/13/11	200.7	
Lead, Total		10.2	UG/L	10/13/11	200.7	
Thallium, Total	<	10.0	UG/L	10/13/11	200.7	
Nickel, Total	<	10.0	UG/L	10/13/11	200.7	
Silver, Total	<	5.00	UG/L	10/13/11	200.7	
Zinc, Total		5.10	UG/L	10/13/11	200.7	
Antimony, Total	<	10.0	UG/L	10/13/11	200.7	
Selenium, Total	<	10.0	UG/L	10/13/11	200.7	
Mercury, Total	<	0.05	UG/L	10/14/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS

SOURCE: TEXOMA LAKE

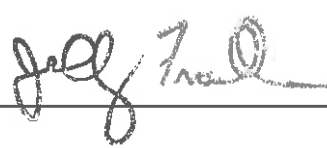
SAMPLERS COMMENTS:

PH=8.34;DO=8.61MG/L;SPEC=2,379US; TEMP=22.73; SITE #22

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

* ANALYST 

Sample Number: 510851
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1322
Date Received: 10/6/2011
Date Completed: 10/24/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/24/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by Radio Chemistry
EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA		15.19	pCi/L	10/13/11	7110B	
GROSS BETA COUNTING ERROR		2.682	pCi/L	10/13/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS

SOURCE: TEXOMA LAKE

SAMPLERS COMMENTS:

PH=8.34;DO=8.61MG/L;SPEC=2,379US; TEMP=22.73; SITE #22

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

*

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 510852
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 10/5/2011
 Time Collected: 1553
 Date Received: 10/6/2011
 Date Completed: 10/10/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-800-869-1400
 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractabi		1.00				
Acenaphthylene	<	10	UG/L	10/07/11	8270DM	
Acenaphthene	<	10	UG/L	10/07/11	8270DM	
Anthracene	<	10	UG/L	10/07/11	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)pyrene	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	10	UG/L	10/07/11	8270DM	
Butylbenzylphthalate	<	10	UG/L	10/07/11	8270DM	
Chrysene	<	10	UG/L	10/07/11	8270DM	
Diethylphthalate	<	10	UG/L	10/07/11	8270DM	
Dimethylphthalate	<	10	UG/L	10/07/11	8270DM	
Fluoranthene	<	10	UG/L	10/07/11	8270DM	
Fluorene	<	10	UG/L	10/07/11	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	10/07/11	8270DM	
Hexachloroethane in water	<	10	UG/L	10/07/11	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	10/07/11	8270DM	
Isophorone	<	10	UG/L	10/07/11	8270DM	
Nitrosodipropylamine	<	10	UG/L	10/07/11	8270DM	
Nitrosodiphenylamine	<	10	UG/L	10/07/11	8270DM	
Nitrobenzene	<	10	UG/L	10/07/11	8270DM	
p-Chloro-m-cresol	<	10	UG/L	10/07/11	8270DM	
Phenanthrene	<	10	UG/L	10/07/11	8270DM	
Pyrene	<	10	UG/L	10/07/11	8270DM	
Benzo(ghi)perylene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)anthracene	<	10	UG/L	10/07/11	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	10/07/11	8270DM	
2-Chloronaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Chlorophenol	<	10	UG/L	10/07/11	8270DM	
2-Nitrophenol	<	10	UG/L	10/07/11	8270DM	
Di-n-octylphthalate	<	10	UG/L	10/07/11	8270DM	

Sample Number: 510852
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 10/5/2011
 Time Collected: 1553
 Date Received: 10/6/2011
 Date Completed: 10/10/2011
 Collected By: BM
 FWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-800-869-1400
 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dimethylphenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrophenol	<	50	UG/L	10/07/11	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
3,3'-Dichlorobenzidine	<	20	UG/L	10/07/11	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	10/07/11	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	10/07/11	8270DM	
4-Nitrophenol	<	50	UG/L	10/07/11	8270DM	
4,6-Dinitro-o-cresol	<	50	UG/L	10/07/11	8270DM	
Phenol	<	10	UG/L	10/07/11	8270DM	
Naphthalene	<	10	UG/L	10/07/11	8270DM	
Pentachlorophenol	<	50	UG/L	10/07/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	10/07/11	8270DM	
Di-n-butylphthalate	<	10	UG/L	10/07/11	8270DM	
Hexachlorobenzene	<	10	UG/L	10/07/11	8270DM	
Hexachlorobutadiene	<	10	UG/L	10/07/11	8270DM	
Dibenzofuran	<	10	UG/L	10/07/11	8270DM	
2-Methylnaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Methylphenol	<	10	UG/L	10/07/11	8270DM	
4-Methylphenol	<	10	UG/L	10/07/11	8270DM	
2,4,5-Trichlorophenol	<	50	UG/L	10/07/11	8270DM	
4-Chloroaniline	<	10	UG/L	10/07/11	8270DM	
2-Nitroaniline	<	50	UG/L	10/07/11	8270DM	
3-Nitroaniline	<	50	UG/L	10/07/11	8270DM	
4-Nitroaniline	<	50	UG/L	10/07/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		28
PHENOL-D5		19
NITROBENZENE-D5		50
P-TERPHENYL-D14		90

Sample Number: 510852
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1553
Date Received: 10/6/2011
Date Completed: 10/10/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

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DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		64
2-FLUOROBIPHENYL		53

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:

PH=8.38;DO=11.14MG/L;SPEC=4,773US; TEMP=21.98; SITE #23

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

(NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis.

*

* ANALYST

Cassandra Kontas

Sample Number: 510852
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1553
Date Received: 10/6/2011
Date Completed: 10/14/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/14/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	10.0	UG/L	10/13/11	200.7	
Barium, Total		121	UG/L	10/13/11	200.7	
Beryllium, Total	<	2.00	UG/L	10/13/11	200.7	
Cadmium, Total	<	5.00	UG/L	10/13/11	200.7	
Chromium, Total	<	5.00	UG/L	10/13/11	200.7	
Copper, Total	<	5.00	UG/L	10/13/11	200.7	
Lead, Total	<	10.0	UG/L	10/13/11	200.7	
Thallium, Total	<	10.0	UG/L	10/13/11	200.7	
Nickel, Total	<	10.0	UG/L	10/13/11	200.7	
Silver, Total	<	5.00	UG/L	10/13/11	200.7	
Zinc, Total	<	5.00	UG/L	10/13/11	200.7	
Antimony, Total	<	10.0	UG/L	10/13/11	200.7	
Selenium, Total	<	10.0	UG/L	10/13/11	200.7	
Mercury, Total	<	0.05	UG/L	10/14/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS

SOURCE: RED RIVER

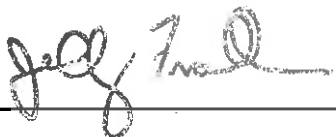
SAMPLERS COMMENTS:

PH=8.38;DO=11.14MG/L;SPEC=4,773US; TEMP=21.98; SITE #23

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

* ANALYST 

Sample Number: 510852
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1553
Date Received: 10/6/2011
Date Completed: 10/24/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/24/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY

707 N. ROBINSON

OKLAHOMA CITY

OKLAHOMA, 73102-6010

General Inquiries: 1-800-869-1400

Sample Receiving: (405) 702-1113

Report of Analysis by Radio Chemistry

EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD

DEBBIE NICHOLS/ECLS

BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA		22.23	pCi/L	10/13/11	7110B	
GROSS BETA COUNTING ERROR		5.749	pCi/L	10/13/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:

PH=8.38;DO=11.14MG/L;SPEC=4,773US; TEMP=21.98; SITE #23

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 510853
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 10/5/2011
 Time Collected: 1824
 Date Received: 10/6/2011
 Date Completed: 10/10/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-800-869-1400
 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.01				
Acenaphthylene	<	10	UG/L	10/07/11	8270DM	
Acenaphthene	<	10	UG/L	10/07/11	8270DM	
Anthracene	<	10	UG/L	10/07/11	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)pyrene	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	10	UG/L	10/07/11	8270DM	
Butylbenzylphthalate	<	10	UG/L	10/07/11	8270DM	
Chrysene	<	10	UG/L	10/07/11	8270DM	
Diethylphthalate	<	10	UG/L	10/07/11	8270DM	
Dimethylphthalate	<	10	UG/L	10/07/11	8270DM	
Fluoranthene	<	10	UG/L	10/07/11	8270DM	
Fluorene	<	10	UG/L	10/07/11	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	10/07/11	8270DM	
Hexachloroethane in water	<	10	UG/L	10/07/11	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	10/07/11	8270DM	
Isophorone	<	10	UG/L	10/07/11	8270DM	
Nitrosodipropylamine	<	10	UG/L	10/07/11	8270DM	
Nitrosodiphenylamine	<	10	UG/L	10/07/11	8270DM	
Nitrobenzene	<	10	UG/L	10/07/11	8270DM	
p-Chloro-m-cresol	<	10	UG/L	10/07/11	8270DM	
Phenanthrene	<	10	UG/L	10/07/11	8270DM	
Pyrene	<	10	UG/L	10/07/11	8270DM	
Benzo(ghi)perylene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)anthracene	<	10	UG/L	10/07/11	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	10/07/11	8270DM	
2-Chloronaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Chlorophenol	<	10	UG/L	10/07/11	8270DM	
2-Nitrophenol	<	10	UG/L	10/07/11	8270DM	
Di-n-octylphthalate	<	10	UG/L	10/07/11	8270DM	

Sample Number: 510853
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 10/5/2011
 Time Collected: 1824
 Date Received: 10/6/2011
 Date Completed: 10/10/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-800-869-1400
 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dimethylphenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrophenol	<	50	UG/L	10/07/11	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
3,3'-Dichlorobenzidine	<	20	UG/L	10/07/11	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	10/07/11	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	10/07/11	8270DM	
4-Nitrophenol	<	50	UG/L	10/07/11	8270DM	
4,6-Dinitro-o-cresol	<	50	UG/L	10/07/11	8270DM	
Phenol	<	10	UG/L	10/07/11	8270DM	
Naphthalene	<	10	UG/L	10/07/11	8270DM	
Pentachlorophenol	<	50	UG/L	10/07/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	10/07/11	8270DM	
Di-n-butylphthalate	<	10	UG/L	10/07/11	8270DM	
Hexachlorobenzene	<	10	UG/L	10/07/11	8270DM	
Hexachlorobutadiene	<	10	UG/L	10/07/11	8270DM	
Dibenzofuran	<	10	UG/L	10/07/11	8270DM	
2-Methylnaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Methylphenol	<	10	UG/L	10/07/11	8270DM	
4-Methylphenol	<	10	UG/L	10/07/11	8270DM	
2,4,5-Trichlorophenol	<	50	UG/L	10/07/11	8270DM	
4-Chloroaniline	<	10	UG/L	10/07/11	8270DM	
2-Nitroaniline	<	50	UG/L	10/07/11	8270DM	
3-Nitroaniline	<	50	UG/L	10/07/11	8270DM	
4-Nitroaniline	<	50	UG/L	10/07/11	8270DM	

SURROGATE RECOVERIES

COMPOUND	RECOVERY %
PHENOL-D5	17
NITROBENZENE-D5	42
2-FLUOROBIPHENYL	50
P-TERPHENYL-D14	89

Sample Number: 510853
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1824
Date Received: 10/6/2011
Date Completed: 10/10/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/10/2011

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EPA Drinking Water Certification #OK00013

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DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		64
2-FLUOROPHENOL		22

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

PH=8.42;DO=9.76MG/L;SPEC=7,438US; TEMP=22.70; SITE #24

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

(NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis.

*

* ANALYST

Cassandra Kontas

Sample Number: 510853
Project Code: . CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1824
Date Received: 10/6/2011
Date Completed: 10/14/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/14/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	10.0	UG/L	10/13/11	200.7	
Barium, Total		151	UG/L	10/13/11	200.7	
Beryllium, Total	<	2.00	UG/L	10/13/11	200.7	
Cadmium, Total	<	5.00	UG/L	10/13/11	200.7	
Chromium, Total	<	5.00	UG/L	10/13/11	200.7	
Copper, Total	<	5.00	UG/L	10/13/11	200.7	
Lead, Total	<	10.0	UG/L	10/13/11	200.7	
Thallium, Total	<	10.0	UG/L	10/13/11	200.7	
Nickel, Total	<	10.0	UG/L	10/13/11	200.7	
Silver, Total	<	5.00	UG/L	10/13/11	200.7	
Zinc, Total	<	5.00	UG/L	10/13/11	200.7	
Antimony, Total	<	10.0	UG/L	10/13/11	200.7	
Selenium, Total	<	10.0	UG/L	10/13/11	200.7	
Mercury, Total	<	0.05	UG/L	10/14/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

PH=8.42;DO=9.76MG/L;SPEC=7,438US; TEMP=22.70; SITE #24

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

* ANALYST



Sample Number: 510853
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1824
Date Received: 10/6/2011
Date Completed: 10/24/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/27/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY

707 N. ROBINSON

OKLAHOMA CITY

OKLAHOMA, 73102-6010

General Inquiries: 1-800-869-1400

Sample Receiving: (405) 702-1113

Report of Analysis by Radio Chemistry

EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD

DEBBIE NICHOLS/ECLS

BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA	MI <	26.59	pCi/L	10/13/11	7110B	
GROSS BETA COUNTING ERROR		8.010	pCi/L	10/13/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

PH=8.42;DO=9.76MG/L;SPEC=7,438US; TEMP=22.70; SITE #24

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

(MI) Matrix interference - The extremely high specific conductance of the sample interfered with the analysis of this analyte. Result biased high.

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 510853
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1824
Date Received: 10/6/2011
Date Completed: 10/12/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/25/2011

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY**

707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113

Report of Analysis by General Chem.

EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Oil and Grease	IP <	5.00	MG/L	10/21/11	1664	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

PH=8.42;DO=9.76MG/L;SPEC=7,438US; TEMP=22.70; SITE #24

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

(IP) Invalid sample protocol. Oil & Grease parameter added after sample collection & receipt. Aliquots used for analysis were not preserved within method time allowance. Samples preserved by analyst prior to analysis.

* * ANALYST Susan Mensik

Susan Mensik

State Environmental Laboratory

Sample Number: 510853
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1824
Date Received: 10/6/2011
Date Completed: 10/14/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 11/18/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Sodium, Total		1100	MG/L	10/31/11	200.7	
Potassium, Total		19.0	MG/L	10/31/11	200.7	
Arsenic, Total	<	10.0	UG/L	10/13/11	200.7	
Barium, Total		151	UG/L	10/13/11	200.7	
Beryllium, Total	<	2.00	UG/L	10/13/11	200.7	
Cadmium, Total	<	5.00	UG/L	10/13/11	200.7	
Chromium, Total	<	5.00	UG/L	10/13/11	200.7	
Copper, Total	<	5.00	UG/L	10/13/11	200.7	
Lead, Total	<	10.0	UG/L	10/13/11	200.7	
Thallium, Total	<	10.0	UG/L	10/13/11	200.7	
Nickel, Total	<	10.0	UG/L	10/13/11	200.7	
Silver, Total	<	5.00	UG/L	10/13/11	200.7	
Strontium, Total		4870	UG/L	11/17/11	200.7	
Zinc, Total	<	5.00	UG/L	10/13/11	200.7	
Antimony, Total	<	10.0	UG/L	10/13/11	200.7	
Selenium, Total	<	10.0	UG/L	10/13/11	200.7	
Uranium, Total		6.00	UG/L	10/27/11	200.8	
Mercury, Total	<	0.05	UG/L	10/14/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

Sample Number: 510853
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1824
Date Received: 10/6/2011
Date Completed: 10/14/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 11/18/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by Metals
EPA Drinking Water Certification #OK09013

To: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

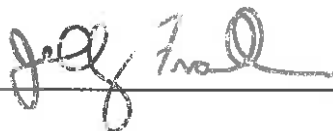
SOURCE: RED RIVER

SAMPLERS COMMENTS:
PH=8.42; DO=9.76MG/L; SPEC=7,438US; TEMP=22.70; SITE #24

SAMPLE RECEIVING COMMENTS:
ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

* ANALYST



Sample Number: 510854
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 10/6/2011
 Time Collected: 1025
 Date Received: 10/6/2011
 Date Completed: 10/10/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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OKLAHOMA CITY
OKLAHOMA, 73102-6010
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 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.04				
Acenaphthylene	<	10	UG/L	10/07/11	8270DM	
Acenaphthene	<	10	UG/L	10/07/11	8270DM	
Anthracene	<	10	UG/L	10/07/11	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)pyrene	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroisopropyl)ethe:	<	10	UG/L	10/07/11	8270DM	
Butylbenzylphthalate	<	10	UG/L	10/07/11	8270DM	
Chrysene	<	10	UG/L	10/07/11	8270DM	
Diethylphthalate	<	10	UG/L	10/07/11	8270DM	
Dimethylphthalate	<	10	UG/L	10/07/11	8270DM	
Fluoranthene	<	10	UG/L	10/07/11	8270DM	
Fluorene	<	10	UG/L	10/07/11	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	10/07/11	8270DM	
Hexachloroethane in water	<	10	UG/L	10/07/11	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	10/07/11	8270DM	
Isophorone	<	10	UG/L	10/07/11	8270DM	
Nitrosodipropylamine	<	10	UG/L	10/07/11	8270DM	
Nitrosodiphenylamine	<	10	UG/L	10/07/11	8270DM	
Nitrobenzene	<	10	UG/L	10/07/11	8270DM	
p-Chloro-m-cresol	<	10	UG/L	10/07/11	8270DM	
Phenanthrene	<	10	UG/L	10/07/11	8270DM	
Pyrene	<	10	UG/L	10/07/11	8270DM	
Benzo(ghi)perylene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)anthracene	<	10	UG/L	10/07/11	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	10/07/11	8270DM	
2-Chloronaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Chlorophenol	<	10	UG/L	10/07/11	8270DM	
2-Nitrophenol	<	10	UG/L	10/07/11	8270DM	
Di-n-octylphthalate	<	10	UG/L	10/07/11	8270DM	

Sample Number: 510854
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 10/6/2011
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 Date Received: 10/6/2011
 Date Completed: 10/10/2011
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 Location Code:
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 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dimethylphenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrophenol	<	52	UG/L	10/07/11	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
3,3'-Dichlorobenzidine	<	21	UG/L	10/07/11	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	10/07/11	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	10/07/11	8270DM	
4-Nitrophenol	<	52	UG/L	10/07/11	8270DM	
4,6-Dinitro-o-cresol	<	52	UG/L	10/07/11	8270DM	
Phenol	<	10	UG/L	10/07/11	8270DM	
Naphthalene	<	10	UG/L	10/07/11	8270DM	
Pentachlorophenol	<	52	UG/L	10/07/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	10/07/11	8270DM	
Di-n-butylphthalate	<	10	UG/L	10/07/11	8270DM	
Hexachlorobenzene	<	10	UG/L	10/07/11	8270DM	
Hexachlorobutadiene	<	10	UG/L	10/07/11	8270DM	
Dibenzofuran	<	10	UG/L	10/07/11	8270DM	
2-Methylnaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Methylphenol	<	10	UG/L	10/07/11	8270DM	
4-Methylphenol	<	10	UG/L	10/07/11	8270DM	
2,4,5-Trichlorophenol	<	52	UG/L	10/07/11	8270DM	
4-Chloroaniline	<	10	UG/L	10/07/11	8270DM	
2-Nitroaniline	<	52	UG/L	10/07/11	8270DM	
3-Nitroaniline	<	52	UG/L	10/07/11	8270DM	
4-Nitroaniline	<	52	UG/L	10/07/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		14
2-FLUOROBIPHENYL		45
P-TERPHENYL-D14		87
2,4,6-TRIBROMOPHENOL		67

Sample Number: 510854
Project Code: CMP-FK
Agency Number:
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DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		18
NITROBENZENE-D5		37

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:

PH=8.07;DO=10.57MG/L;SPEC=6,814US; TEMP=19.57; SITE #25

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

(NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis.

*

* ANALYST

Cassandra Kontas

Sample Number: 510854
Project Code: CMP-FK
Agency Number:
Date Collected: 10/6/2011
Time Collected: 1025
Date Received: 10/6/2011
Date Completed: 10/14/2011
Collected By: BM
PWS Id:
Location Code:
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Report Date: 10/14/2011

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EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	10.0	UG/L	10/13/11	200.7	
Barium, Total		113	UG/L	10/13/11	200.7	
Beryllium, Total	<	2.00	UG/L	10/13/11	200.7	
Cadmium, Total	<	5.00	UG/L	10/13/11	200.7	
Chromium, Total	<	5.00	UG/L	10/13/11	200.7	
Copper, Total	<	5.00	UG/L	10/13/11	200.7	
Lead, Total	<	10.0	UG/L	10/13/11	200.7	
Thallium, Total	<	10.0	UG/L	10/13/11	200.7	
Nickel, Total	<	10.0	UG/L	10/13/11	200.7	
Silver, Total	<	5.00	UG/L	10/13/11	200.7	
Zinc, Total	<	5.00	UG/L	10/13/11	200.7	
Antimony, Total	<	10.0	UG/L	10/13/11	200.7	
Selenium, Total	<	10.0	UG/L	10/13/11	200.7	
Mercury, Total	<	0.05	UG/L	10/14/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:

PH=8.07;DO=10.57MG/L;SPEC=6,814US; TEMP=19.57; SITE #25

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

* ANALYST



Sample Number: 510854
Project Code: CMP-FK
Agency Number:
Date Collected: 10/6/2011
Time Collected: 1025
Date Received: 10/6/2011
Date Completed: 10/24/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/24/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by Radio Chemistry
EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA		25.89	pCi/L	10/13/11	7110B	
GROSS BETA COUNTING ERROR		7.895	pCi/L	10/13/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:

PH=8.07;DO=10.57MG/L;SPEC=6,814US; TEMP=19.57; SITE #25

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 5.4

ANALYST'S COMMENTS:

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 510855
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 10/5/2011
 Time Collected: 1145
 Date Received: 10/7/2011
 Date Completed: 10/10/2011
 Collected By: RM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-800-869-1400
 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: RICHARD MCDANIEL

CC: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.02				
Acenaphthylene	<	10	UG/L	10/07/11	8270DM	
Acenaphthene	<	10	UG/L	10/07/11	8270DM	
Anthracene	<	10	UG/L	10/07/11	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)pyrene	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroisopropyl)ethe:	<	10	UG/L	10/07/11	8270DM	
Butylbenzylphthalate	<	10	UG/L	10/07/11	8270DM	
Chrysene	<	10	UG/L	10/07/11	8270DM	
Diethylphthalate	<	10	UG/L	10/07/11	8270DM	
Dimethylphthalate	<	10	UG/L	10/07/11	8270DM	
Fluoranthene	<	10	UG/L	10/07/11	8270DM	
Fluorene	<	10	UG/L	10/07/11	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	10/07/11	8270DM	
Hexachloroethane in water	<	10	UG/L	10/07/11	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	10/07/11	8270DM	
Isophorone	<	10	UG/L	10/07/11	8270DM	
Nitrosodipropylamine	<	10	UG/L	10/07/11	8270DM	
Nitrosodiphenylamine	<	10	UG/L	10/07/11	8270DM	
Nitrobenzene	<	10	UG/L	10/07/11	8270DM	
p-Chloro-m-cresol	<	10	UG/L	10/07/11	8270DM	
Phenanthrene	<	10	UG/L	10/07/11	8270DM	
Pyrene	<	10	UG/L	10/07/11	8270DM	
Benzo(ghi)perylene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)anthracene	<	10	UG/L	10/07/11	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	10/07/11	8270DM	
2-Chloronaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Chlorophenol	<	10	UG/L	10/07/11	8270DM	
2-Nitrophenol	<	10	UG/L	10/07/11	8270DM	
Di-n-octylphthalate	<	10	UG/L	10/07/11	8270DM	

Sample Number: 510855
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 10/5/2011
 Time Collected: 1145
 Date Received: 10/7/2011
 Date Completed: 10/10/2011
 Collected By: RM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-800-869-1400
 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK08013

To: RICHARD MCDANIEL

CC: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dimethylphenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrophenol	<	51	UG/L	10/07/11	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
3,3'-Dichlorobenzidine	<	20	UG/L	10/07/11	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	10/07/11	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	10/07/11	8270DM	
4-Nitrophenol	<	51	UG/L	10/07/11	8270DM	
4,6-Dinitro-o-cresol	<	51	UG/L	10/07/11	8270DM	
Phenol	<	10	UG/L	10/07/11	8270DM	
Naphthalene	<	10	UG/L	10/07/11	8270DM	
Pentachlorophenol	<	51	UG/L	10/07/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	10/07/11	8270DM	
Di-n-butylphthalate	<	10	UG/L	10/07/11	8270DM	
Hexachlorobenzene	<	10	UG/L	10/07/11	8270DM	
Hexachlorobutadiene	<	10	UG/L	10/07/11	8270DM	
Dibenzofuran	<	10	UG/L	10/07/11	8270DM	
2-Methylnaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Methylphenol	<	10	UG/L	10/07/11	8270DM	
4-Methylphenol	<	10	UG/L	10/07/11	8270DM	
2,4,5-Trichlorophenol	<	51	UG/L	10/07/11	8270DM	
4-Chloroaniline	<	10	UG/L	10/07/11	8270DM	
2-Nitroaniline	<	51	UG/L	10/07/11	8270DM	
3-Nitroaniline	<	51	UG/L	10/07/11	8270DM	
4-Nitroaniline	<	51	UG/L	10/07/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		15
P-TERPHENYL-D14		89
2-FLUOROPHENOL		22
NITROBENZENE-D5		42

Sample Number: 510855
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1145
Date Received: 10/7/2011
Date Completed: 10/10/2011
Collected By: RM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
EPA Drinking Water Certification #OK90013

To: RICHARD MCDANIEL

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		45
2,4,6-TRIBROMOPHENOL		65

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

HWY 183 RED RIVER BRIDGE NEAR DAVIDSON

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas (NU) The analysis indicates no "tentatively identified" compounds present above the reporting limit for this analysis.

*

* ANALYST Cassandra Kontas

Sample Number: 510855
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1145
Date Received: 10/7/2011
Date Completed: 10/17/2011
Collected By: RM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/17/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by General Chem.
EPA Drinking Water Certification #OK00013

To: RICHARD MCDANIEL

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Specific Conductance		7160	uMHO/CM	10/07/11	2510B	
pH, Liquid		8.13	STD UNIT	10/07/11	150.1	
Alkalinity, Total		117	MG/L	10/11/11	310.2	
Solids, Total Dissolved		4400	MG/L	10/07/11	2540C	
Nitrite-Nitrate as N	<	0.05	MG/L	10/07/11	353.2	
Chloride		1890	MG/L	10/14/11	325.2	
Sulfate		844	MG/L	10/14/11	375.4	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

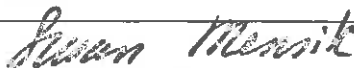
HWY 183 RED RIVER BRIDGE NEAR DAVIDSON

ANALYST'S COMMENTS:

*

* ANALYST

Susan Mensik



State Environmental Laboratory

Sample Number: 510855
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1145
Date Received: 10/7/2011
Date Completed: 10/19/2011
Collected By: RM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/19/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: RICHARD MCDANIEL

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Sodium, Total		1160	MG/L	10/13/11	200.7	
Arsenic, Total	<	10.0	UG/L	10/13/11	200.7	
Barium, Total		169	UG/L	10/13/11	200.7	
Beryllium, Total	<	2.00	UG/L	10/13/11	200.7	
Cadmium, Total	<	5.00	UG/L	10/13/11	200.7	
Chromium, Total	<	5.00	UG/L	10/13/11	200.7	
Copper, Total	<	5.00	UG/L	10/13/11	200.7	
Lead, Total	<	10.0	UG/L	10/13/11	200.7	
Thallium, Total	<	10.0	UG/L	10/13/11	200.7	
Nickel, Total	<	10.0	UG/L	10/13/11	200.7	
Silver, Total	<	5.00	UG/L	10/13/11	200.7	
Strontium, Total		3340	UG/L	10/13/11	200.7	
Zinc, Total	<	5.00	UG/L	10/13/11	200.7	
Antimony, Total	<	10.0	UG/L	10/13/11	200.7	
Selenium, Total	<	10.0	UG/L	10/13/11	200.7	
Uranium, Total		1.60	UG/L	10/18/11	200.8	
Mercury, Total	<	0.05	UG/L	10/14/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

HWY 183 RED RIVER BRIDGE NEAR DAVIDSON

ANALYST'S COMMENTS:



* ANALYST _____

Sample Number: 510855
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1145
Date Received: 10/7/2011
Date Completed: 10/24/2011
Collected By: RM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/27/2011

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY**

707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113

Report of Analysis by Radio Chemistry

EPA Drinking Water Certification #OK00013

To: RICHARD MCDANIEL

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA	MI <	27.08	pCi/L	10/13/11	7110B	
GROSS BETA COUNTING ERROR		8.280	pCi/L	10/13/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

HWY 183 RED RIVER BRIDGE NEAR DAVIDSON

ANALYST'S COMMENTS:

(MI) Matrix interference - The extremely high specific conductance of the sample interfered with the analysis of this analyte. Result biased high.

*

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 510856
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 10/5/2011
 Time Collected: 1350
 Date Received: 10/7/2011
 Date Completed: 10/10/2011
 Collected By: RM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-800-869-1400
 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: RICHARD MCDANIEL

CC: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.01				
Acenaphthylene	<	10	UG/L	10/07/11	8270DM	
Acenaphthene	<	10	UG/L	10/07/11	8270DM	
Anthracene	<	10	UG/L	10/07/11	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)pyrene	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	10/07/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	10	UG/L	10/07/11	8270DM	
Butylbenzylphthalate	<	10	UG/L	10/07/11	8270DM	
Chrysene	<	10	UG/L	10/07/11	8270DM	
Diethylphthalate	<	10	UG/L	10/07/11	8270DM	
Dimethylphthalate	<	10	UG/L	10/07/11	8270DM	
Fluoranthene	<	10	UG/L	10/07/11	8270DM	
Fluorene	<	10	UG/L	10/07/11	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	10/07/11	8270DM	
Hexachloroethane in water	<	10	UG/L	10/07/11	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	10/07/11	8270DM	
Isophorone	<	10	UG/L	10/07/11	8270DM	
Nitrosodipropylamine	<	10	UG/L	10/07/11	8270DM	
Nitrosodiphenylamine	<	10	UG/L	10/07/11	8270DM	
Nitrobenzene	<	10	UG/L	10/07/11	8270DM	
p-Chloro-m-cresol	<	10	UG/L	10/07/11	8270DM	
Phenanthrene	<	10	UG/L	10/07/11	8270DM	
Pyrene	<	10	UG/L	10/07/11	8270DM	
Benzo(ghi)perylene	<	10	UG/L	10/07/11	8270DM	
Benzo(a)anthracene	<	10	UG/L	10/07/11	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	10/07/11	8270DM	
2-Chloronaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Chlorophenol	<	10	UG/L	10/07/11	8270DM	
2-Nitrophenol	<	10	UG/L	10/07/11	8270DM	
Di-n-octylphthalate	<	10	UG/L	10/07/11	8270DM	

Sample Number: 510856
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 10/5/2011
 Time Collected: 1350
 Date Received: 10/7/2011
 Date Completed: 10/10/2011
 Collected By: RM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-800-869-1400
 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: RICHARD MCDANIEL

CC: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dimethylphenol	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
2,4-Dinitrophenol	<	50	UG/L	10/07/11	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	10/07/11	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	10/07/11	8270DM	
3,3'-Dichlorobenzidine	<	20	UG/L	10/07/11	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	10/07/11	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	10/07/11	8270DM	
4-Nitrophenol	<	50	UG/L	10/07/11	8270DM	
4,6-Dinitro-o-cresol	<	50	UG/L	10/07/11	8270DM	
Phenol	<	10	UG/L	10/07/11	8270DM	
Naphthalene	<	10	UG/L	10/07/11	8270DM	
Pentachlorophenol	<	50	UG/L	10/07/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	10/07/11	8270DM	
Di-n-butylphthalate	<	10	UG/L	10/07/11	8270DM	
Hexachlorobenzene	<	10	UG/L	10/07/11	8270DM	
Hexachlorobutadiene	<	10	UG/L	10/07/11	8270DM	
Dibenzofuran	<	10	UG/L	10/07/11	8270DM	
2-Methylnaphthalene	<	10	UG/L	10/07/11	8270DM	
2-Methylphenol	<	10	UG/L	10/07/11	8270DM	
4-Methylphenol	<	10	UG/L	10/07/11	8270DM	
2,4,5-Trichlorophenol	<	50	UG/L	10/07/11	8270DM	
4-Chloroaniline	<	10	UG/L	10/07/11	8270DM	
2-Nitroaniline	<	50	UG/L	10/07/11	8270DM	
3-Nitroaniline	<	50	UG/L	10/07/11	8270DM	
4-Nitroaniline	<	50	UG/L	10/07/11	8270DM	

SURROGATE RECOVERIES

COMPOUND	RECOVERY %
NITROBENZENE-D5	48
2,4,6-TRIBROMOPHENOL	68
PHENOL-D5	16
2-FLUOROPHENOL	25

Sample Number: 510856
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1350
Date Received: 10/7/2011
Date Completed: 10/10/2011
Collected By: RM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/10/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: RICHARD MCDANIEL

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
P-TERPHENYL-D14		98
2-FLUOROBIPHENYL		53

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

I-44 BRIDGE@RED RIVER NEAR RANDLETT

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas (NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis.

*

* ANALYST

Cassandra Kontas

Sample Number: 510856
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1350
Date Received: 10/7/2011
Date Completed: 10/17/2011
Collected By: RM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/17/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by General Chem.
EPA Drinking Water Certification #OK00013

To: RICHARD MCDANIEL

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Specific Conductance		6170	uMHO/CM	10/07/11	2510B	
pH, Liquid		7.92	STD UNIT	10/07/11	150.1	
Alkalinity, Total		124	MG/L	10/11/11	310.2	
Solids, Total Dissolved		3750	MG/L	10/07/11	2540C	
Nitrite-Nitrate as N	<	0.05	MG/L	10/07/11	353.2	
Chloride		1610	MG/L	10/14/11	325.2	
Sulfate		776	MG/L	10/14/11	375.4	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

I-44 BRIDGE@RED RIVER NEAR RANDLETT

ANALYST'S COMMENTS:

Susan Mensik

* ANALYST

Susan Mensik

State Environmental Laboratory

Sample Number: 510856
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1350
Date Received: 10/7/2011
Date Completed: 10/19/2011
Collected By: RM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/19/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: RICHARD MCDANIEL

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Sodium, Total		1000	MG/L	10/13/11	200.7	
Arsenic, Total	<	10.0	UG/L	10/13/11	200.7	
Barium, Total		101	UG/L	10/13/11	200.7	
Beryllium, Total	<	2.00	UG/L	10/13/11	200.7	
Cadmium, Total	<	5.00	UG/L	10/13/11	200.7	
Chromium, Total	<	5.00	UG/L	10/13/11	200.7	
Copper, Total	<	5.00	UG/L	10/13/11	200.7	
Lead, Total	<	10.0	UG/L	10/13/11	200.7	
Thallium, Total	<	10.0	UG/L	10/13/11	200.7	
Nickel, Total	<	10.0	UG/L	10/13/11	200.7	
Silver, Total	<	5.00	UG/L	10/13/11	200.7	
Strontium, Total		2870	UG/L	10/13/11	200.7	
Zinc, Total	<	5.00	UG/L	10/13/11	200.7	
Antimony, Total	<	10.0	UG/L	10/13/11	200.7	
Selenium, Total	<	10.0	UG/L	10/13/11	200.7	
Uranium, Total		3.50	UG/L	10/18/11	200.8	
Mercury, Total	<	0.05	UG/L	10/14/11	7470	

Summary

Labs performing analysis on this Sample:

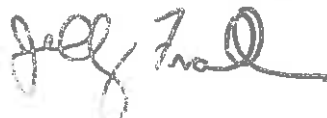
Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

I-44 BRIDGE@RED RIVER NEAR RANDLETT

ANALYST'S COMMENTS:



* ANALYST

Sample Number: 510856
Project Code: CMP-FK
Agency Number:
Date Collected: 10/5/2011
Time Collected: 1350
Date Received: 10/7/2011
Date Completed: 10/24/2011
Collected By: RM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 10/27/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by Radio Chemistry
EPA Drinking Water Certification #OK00013

To: RICHARD MCDANIEL

CC: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA	MI <	26.44	pCi/L	10/13/11	7110B	
GROSS BETA COUNTING ERROR		7.957	pCi/L	10/13/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

I-44 BRIDGE@RED RIVER NEAR RANDLETT

ANALYST'S COMMENTS:

(MI) Matrix interference - The extremely high specific conductance of the sample interfered with the analysis of this analyte. Result biased high.

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 511925
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 11/2/2011
 Time Collected: 1030
 Date Received: 11/4/2011
 Date Completed: 11/08/2011
 Collected By: RR
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 11/8/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-800-869-1400
 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: RYAN RYSWYK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractabl		1.16				
Acenaphthylene	<	12	UG/L	11/07/11	8270DM	
Acenaphthene	<	12	UG/L	11/07/11	8270DM	
Anthracene	<	12	UG/L	11/07/11	8270DM	
Benzo(b)fluoranthene	<	12	UG/L	11/07/11	8270DM	
Benzo(k)fluoranthene	<	12	UG/L	11/07/11	8270DM	
Benzo(a)pyrene	<	12	UG/L	11/07/11	8270DM	
Bis(2-chloroethyl)ether	<	12	UG/L	11/07/11	8270DM	
Bis(2-chloroethoxy)methane	<	12	UG/L	11/07/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	12	UG/L	11/07/11	8270DM	
Butylbenzylphthalate	<	12	UG/L	11/07/11	8270DM	
Chrysene	<	12	UG/L	11/07/11	8270DM	
Diethylphthalate	<	12	UG/L	11/07/11	8270DM	
Dimethylphthalate	<	12	UG/L	11/07/11	8270DM	
Fluoranthene	<	12	UG/L	11/07/11	8270DM	
Fluorene	<	12	UG/L	11/07/11	8270DM	
Hexachlorocyclopentadiene	<	12	UG/L	11/07/11	8270DM	
Hexachloroethane in water	<	12	UG/L	11/07/11	8270DM	
Indeno(123cd)pyrene	<	12	UG/L	11/07/11	8270DM	
Isophorone	<	12	UG/L	11/07/11	8270DM	
Nitrosodipropylamine	<	12	UG/L	11/07/11	8270DM	
Nitrosodiphenylamine	<	12	UG/L	11/07/11	8270DM	
Nitrobenzene	<	12	UG/L	11/07/11	8270DM	
p-Chloro-m-cresol	<	12	UG/L	11/07/11	8270DM	
Phenanthrene	<	12	UG/L	11/07/11	8270DM	
Pyrene	<	12	UG/L	11/07/11	8270DM	
Benzo(ghi)perylene	<	12	UG/L	11/07/11	8270DM	
Benzo(a)anthracene	<	12	UG/L	11/07/11	8270DM	
Dibenzo(ah)anthracene	<	12	UG/L	11/07/11	8270DM	
2-Chloronaphthalene	<	12	UG/L	11/07/11	8270DM	
2-Chlorophenol	<	12	UG/L	11/07/11	8270DM	
2-Nitrophenol	<	12	UG/L	11/07/11	8270DM	
Di-n-octylphthalate	<	12	UG/L	11/07/11	8270DM	

Sample Number: 511925
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 11/2/2011
 Time Collected: 1030
 Date Received: 11/4/2011
 Date Completed: 11/08/2011
 Collected By: RR
 PWS Id:
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 Report Date: 11/8/2011

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 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: RYAN RYSWYK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	12	UG/L	11/07/11	8270DM	
2,4-Dimethylphenol	<	12	UG/L	11/07/11	8270DM	
2,4-Dinitrotoluene	<	12	UG/L	11/07/11	8270DM	
2,4-Dinitrophenol	<	29	UG/L	11/07/11	8270DM	
2,4,6-Trichlorophenol	<	12	UG/L	11/07/11	8270DM	
2,6-Dinitrotoluene	<	12	UG/L	11/07/11	8270DM	
3,3'-Dichlorobenzidine	<	12	UG/L	11/07/11	8270DM	
4-Bromophenylphenyl ether	<	12	UG/L	11/07/11	8270DM	
4-Chlorophenyl phenylether	<	12	UG/L	11/07/11	8270DM	
4-Nitrophenol	<	29	UG/L	11/07/11	8270DM	
4,6-Dinitro-o-cresol	<	29	UG/L	11/07/11	8270DM	
Phenol	<	12	UG/L	11/07/11	8270DM	
Naphthalene	<	12	UG/L	11/07/11	8270DM	
Pentachlorophenol	<	29	UG/L	11/07/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	12	UG/L	11/07/11	8270DM	
Di-n-butylphthalate	<	12	UG/L	11/07/11	8270DM	
Hexachlorobenzene	<	12	UG/L	11/07/11	8270DM	
Hexachlorobutadiene	<	12	UG/L	11/07/11	8270DM	
Dibenzofuran	<	12	UG/L	11/07/11	8270DM	
2-Methylnaphthalene	<	12	UG/L	11/07/11	8270DM	
2-Methylphenol	<	12	UG/L	11/07/11	8270DM	
4-Methylphenol	<	12	UG/L	11/07/11	8270DM	
2,4,5-Trichlorophenol	<	12	UG/L	11/07/11	8270DM	
4-Chloroaniline	<	12	UG/L	11/07/11	8270DM	
2-Nitroaniline	<	29	UG/L	11/07/11	8270DM	
3-Nitroaniline	<	29	UG/L	11/07/11	8270DM	
4-Nitroaniline	<	29	UG/L	11/07/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		47
2-FLUOROBIPHENYL		51
P-TERPHENYL-D14		80
PHENOL-D5		19

Sample Number: 511925
Project Code: CMP-FK
Agency Number:
Date Collected: 11/2/2011
Time Collected: 1030
Date Received: 11/4/2011
Date Completed: 11/08/2011
Collected By: RR
PWS Id:
Location Code:
Station:
Facility:
Report Date: 11/8/2011

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OKLAHOMA CITY
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EPA Drinking Water Certification #OK00013

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DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: RYAN RYSWYK

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		22
2, 4, 6-TRIBROMOPHENOL		63

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
Hexanedioic acid, bis(2-ethylhe		160	µg/L

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:

HWY 79 APPROX 5.92MI W/SW OF WAURIKA OK

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.8

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

The analysis indicates the presence of one or more compounds that have been 'tentatively identified,' and the associated numerical values represent their approximate concentration. The compound name in the "tentatively identified" report table was truncated; its full name is:

Hexanedioic acid, bis(2-ethylhexyl)ester.

* ANALYST

Cassandra Kontas

Sample Number: 511926
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 11/2/2011
 Time Collected: 1049
 Date Received: 11/4/2011
 Date Completed: 11/08/2011
 Collected By: BM
 FWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 11/8/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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To: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: RYAN RYSWYK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		0.95				
Acenaphthylene	<	9.5	UG/L	11/07/11	8270DM	
Acenaphthene	<	9.5	UG/L	11/07/11	8270DM	
Anthracene	<	9.5	UG/L	11/07/11	8270DM	
Benzo(b)fluoranthene	<	9.5	UG/L	11/07/11	8270DM	
Benzo(k)fluoranthene	<	9.5	UG/L	11/07/11	8270DM	
Benzo(a)pyrene	<	9.5	UG/L	11/07/11	8270DM	
Bis(2-chloroethyl)ether	<	9.5	UG/L	11/07/11	8270DM	
Bis(2-chloroethoxy)methane	<	9.5	UG/L	11/07/11	8270DM	
Bis(2-chloroisopropyl)ether	<	9.5	UG/L	11/07/11	8270DM	
Butylbenzylphthalate	<	9.5	UG/L	11/07/11	8270DM	
Chrysene	<	9.5	UG/L	11/07/11	8270DM	
Diethylphthalate	<	9.5	UG/L	11/07/11	8270DM	
Dimethylphthalate	<	9.5	UG/L	11/07/11	8270DM	
Fluoranthene	<	9.5	UG/L	11/07/11	8270DM	
Fluorene	<	9.5	UG/L	11/07/11	8270DM	
Hexachlorocyclopentadiene	<	9.5	UG/L	11/07/11	8270DM	
Hexachloroethane in water	<	9.5	UG/L	11/07/11	8270DM	
Indeno(123cd)pyrene	<	9.5	UG/L	11/07/11	8270DM	
Isophorone	<	9.5	UG/L	11/07/11	8270DM	
Nitrosodipropylamine	<	9.5	UG/L	11/07/11	8270DM	
Nitrosodiphenylamine	<	9.5	UG/L	11/07/11	8270DM	
Nitrobenzene	<	9.5	UG/L	11/07/11	8270DM	
p-Chloro-m-cresol	<	9.5	UG/L	11/07/11	8270DM	
Phenanthrene	<	9.5	UG/L	11/07/11	8270DM	
Pyrene	<	9.5	UG/L	11/07/11	8270DM	
Benzo(ghi)perylene	<	9.5	UG/L	11/07/11	8270DM	
Benzo(a)anthracene	<	9.5	UG/L	11/07/11	8270DM	
Dibenzo(ah)anthracene	<	9.5	UG/L	11/07/11	8270DM	
2-Chloronaphthalene	<	9.5	UG/L	11/07/11	8270DM	
2-Chlorophenol	<	9.5	UG/L	11/07/11	8270DM	
2-Nitrophenol	<	9.5	UG/L	11/07/11	8270DM	
Di-n-octylphthalate	<	9.5	UG/L	11/07/11	8270DM	

Sample Number: 511926
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 11/2/2011
 Time Collected: 1049
 Date Received: 11/4/2011
 Date Completed: 11/08/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 11/8/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-800-869-1400
 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: RYAN RYSWYK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	9.5	UG/L	11/07/11	8270DM	
2,4-Dimethylphenol	<	9.5	UG/L	11/07/11	8270DM	
2,4-Dinitrotoluene	<	9.5	UG/L	11/07/11	8270DM	
2,4-Dinitrophenol	<	24	UG/L	11/07/11	8270DM	
2,4,6-Trichlorophenol	<	9.5	UG/L	11/07/11	8270DM	
2,6-Dinitrotoluene	<	9.5	UG/L	11/07/11	8270DM	
3,3'-Dichlorobenzidine	<	9.5	UG/L	11/07/11	8270DM	
4-Bromophenylphenyl ether	<	9.5	UG/L	11/07/11	8270DM	
4-Chlorophenyl phenylether	<	9.5	UG/L	11/07/11	8270DM	
4-Nitrophenol	<	24	UG/L	11/07/11	8270DM	
4,6-Dinitro-o-cresol	<	24	UG/L	11/07/11	8270DM	
Phenol	<	9.5	UG/L	11/07/11	8270DM	
Naphthalene	<	9.5	UG/L	11/07/11	8270DM	
Pentachlorophenol	<	24	UG/L	11/07/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	9.5	UG/L	11/07/11	8270DM	
Di-n-butylphthalate	<	9.5	UG/L	11/07/11	8270DM	
Hexachlorobenzene	<	9.5	UG/L	11/07/11	8270DM	
Hexachlorobutadiene	<	9.5	UG/L	11/07/11	8270DM	
Dibenzofuran	<	9.5	UG/L	11/07/11	8270DM	
2-Methylnaphthalene	<	9.5	UG/L	11/07/11	8270DM	
2-Methylphenol	<	9.5	UG/L	11/07/11	8270DM	
4-Methylphenol	<	9.5	UG/L	11/07/11	8270DM	
2,4,5-Trichlorophenol	<	9.5	UG/L	11/07/11	8270DM	
4-Chloroaniline	<	9.5	UG/L	11/07/11	8270DM	
2-Nitroaniline	<	24	UG/L	11/07/11	8270DM	
3-Nitroaniline	<	24	UG/L	11/07/11	8270DM	
4-Nitroaniline	<	24	UG/L	11/07/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		48
2-FLUOROPHENOL		20
P-TERPHENYL-D14		69
2,4,6-TRIBROMOPHENOL		56

Sample Number: 511926
Project Code: CMP-FK
Agency Number:
Date Collected: 11/2/2011
Time Collected: 1049
Date Received: 11/4/2011
Date Completed: 11/08/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 11/8/2011

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To: BRIAN MAGOTT/CSD
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: RYAN RYSWYK

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		17
NITROBENZENE-D5		47

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:

HWY81 150' UPSTREAM FROM BRIDGE;PH=8.49;DO=6.75;SPEC=4,289;TEMP=15.64; SITE # 26

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.8

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

(NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis.

*

* ANALYST

Cassandra Kontas

Sample Number: 511927
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 11/2/2011
 Time Collected: 1432
 Date Received: 11/4/2011
 Date Completed: 11/08/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 11/8/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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To: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: RYAN RYSWYK

Name	Qualifier		Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:			0.95				
Acenaphthylene	UJ	<	9.5	UG/L	11/07/11	8270DM	
Acenaphthene	UJ	<	9.5	UG/L	11/07/11	8270DM	
Anthracene		<	9.5	UG/L	11/07/11	8270DM	
Benzo(b)fluoranthene		<	9.5	UG/L	11/07/11	8270DM	
Benzo(k)fluoranthene		<	9.5	UG/L	11/07/11	8270DM	
Benzo(a)pyrene		<	9.5	UG/L	11/07/11	8270DM	
Bis(2-chloroethyl)ether		<	9.5	UG/L	11/07/11	8270DM	
Bis(2-chloroethoxy)methane		<	9.5	UG/L	11/07/11	8270DM	
Bis(2-chloroisopropyl)ether		<	9.5	UG/L	11/07/11	8270DM	
Butylbenzylphthalate	UJ	<	9.5	UG/L	11/07/11	8270DM	
Chrysene	UJ	<	9.5	UG/L	11/07/11	8270DM	
Diethylphthalate	UJ	<	9.5	UG/L	11/07/11	8270DM	
Dimethylphthalate	UJ	<	9.5	UG/L	11/07/11	8270DM	
Fluoranthene		<	9.5	UG/L	11/07/11	8270DM	
Fluorene	UJ	<	9.5	UG/L	11/07/11	8270DM	
Hexachlorocyclopentadiene	UJ	<	9.5	UG/L	11/07/11	8270DM	
Hexachloroethane in water		<	9.5	UG/L	11/07/11	8270DM	
Indeno(123cd)pyrene		<	9.5	UG/L	11/07/11	8270DM	
Isophorone		<	9.5	UG/L	11/07/11	8270DM	
Nitrosodipropylamine		<	9.5	UG/L	11/07/11	8270DM	
Nitrosodiphenylamine		<	9.5	UG/L	11/07/11	8270DM	
Nitrobenzene		<	9.5	UG/L	11/07/11	8270DM	
p-Chloro-m-cresol		<	9.5	UG/L	11/07/11	8270DM	
Phenanthrene		<	9.5	UG/L	11/07/11	8270DM	
Pyrene	UJ	<	9.5	UG/L	11/07/11	8270DM	
Benzo(ghi)perylene		<	9.5	UG/L	11/07/11	8270DM	
Benzo(a)anthracene	UJ	<	9.5	UG/L	11/07/11	8270DM	
Dibenzo(ah)anthracene		<	9.5	UG/L	11/07/11	8270DM	
2-Chloronaphthalene	UJ	<	9.5	UG/L	11/07/11	8270DM	
2-Chlorophenol		<	9.5	UG/L	11/07/11	8270DM	
2-Nitrophenol		<	9.5	UG/L	11/07/11	8270DM	
Di-n-octylphthalate		<	9.5	UG/L	11/07/11	8270DM	

Sample Number: 511927
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 11/2/2011
 Time Collected: 1432
 Date Received: 11/4/2011
 Date Completed: 11/08/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 11/8/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-800-869-1400
 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: RYAN RYSWYK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	9.5	UG/L	11/07/11	8270DM	
2,4-Dimethylphenol	<	9.5	UG/L	11/07/11	8270DM	
2,4-Dinitrotoluene	UJ <	9.5	UG/L	11/07/11	8270DM	
2,4-Dinitrophenol	UJ <	24	UG/L	11/07/11	8270DM	
2,4,6-Trichlorophenol	UJ <	9.5	UG/L	11/07/11	8270DM	
2,6-Dinitrotoluene	UJ <	9.5	UG/L	11/07/11	8270DM	
3,3'-Dichlorobenzidine	UJ <	9.5	UG/L	11/07/11	8270DM	
4-Bromophenylphenyl ether	<	9.5	UG/L	11/07/11	8270DM	
4-Chlorophenyl phenylether	UJ <	9.5	UG/L	11/07/11	8270DM	
4-Nitrophenol	UJ <	24	UG/L	11/07/11	8270DM	
4,6-Dinitro-o-cresol	<	24	UG/L	11/07/11	8270DM	
Phenol	<	9.5	UG/L	11/07/11	8270DM	
Naphthalene	<	9.5	UG/L	11/07/11	8270DM	
Pentachlorophenol	<	24	UG/L	11/07/11	8270DM	
Bis(2-ethylhexyl)phthalate	UJ <	9.5	UG/L	11/07/11	8270DM	
Di-n-butylphthalate	<	9.5	UG/L	11/07/11	8270DM	
Hexachlorobenzene	<	9.5	UG/L	11/07/11	8270DM	
Hexachlorobutadiene	<	9.5	UG/L	11/07/11	8270DM	
Dibenzofuran	UJ <	9.5	UG/L	11/07/11	8270DM	
2-Methylnaphthalene	<	9.5	UG/L	11/07/11	8270DM	
2-Methylphenol	<	9.5	UG/L	11/07/11	8270DM	
4-Methylphenol	<	9.5	UG/L	11/07/11	8270DM	
2,4,5-Trichlorophenol	UJ <	9.5	UG/L	11/07/11	8270DM	
4-Chloroaniline	<	9.5	UG/L	11/07/11	8270DM	
2-Nitroaniline	UJ <	24	UG/L	11/07/11	8270DM	
3-Nitroaniline	UJ <	24	UG/L	11/07/11	8270DM	
4-Nitroaniline	UJ <	24	UG/L	11/07/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		30
2-FLUOROPHENOL		17
NITROBENZENE-D5		39
PHENOL-D5		15

Sample Number: 511927
Project Code: CMP-FK
Agency Number:
Date Collected: 11/2/2011
Time Collected: 1432
Date Received: 11/4/2011
Date Completed: 11/08/2011
Collected By: BM
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BUCK WRAY/ODWC

CC: RYAN RYSWYK

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		39
P-TERPHENYL-D14		37

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NOT ANALYZED			

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:

KETCHUM BLUFF 3MI S OF OSCAR;PH=8.76;DO=7.91;SPEC=4,186;TEMP=16.97

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.8

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

(NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis.

The surrogates 2-fluorobiphenyl, 2,4,6-tribromophenol, and terphenyl-d14 had recoveries that were lower than in-house control limits; therefore, target analytes associated with the surrogates were qualified as "UJ." The sample had a relatively high amount of clay particulate matter which, hypothetically, could have contributed to the low surrogate recoveries.

(UJ) The compound was analyzed for but was not detected at or above the reporting limit; the associated value is an estimate and may be inaccurate or imprecise.

* ANALYST

Cassandra Kontas

Sample Number: 511928
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 11/2/2011
 Time Collected: 1654
 Date Received: 11/4/2011
 Date Completed: 11/08/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 11/8/2011

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OKLAHOMA, 73102-6010
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 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: RYAN RYSWYK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractabl		0.95				
Acenaphthylene	<	9.5	UG/L	11/07/11	8270DM	
Acenaphthene	<	9.5	UG/L	11/07/11	8270DM	
Anthracene	<	9.5	UG/L	11/07/11	8270DM	
Benzo(b)fluoranthene	<	9.5	UG/L	11/07/11	8270DM	
Benzo(k)fluoranthene	<	9.5	UG/L	11/07/11	8270DM	
Benzo(a)pyrene	<	9.5	UG/L	11/07/11	8270DM	
Bis(2-chloroethyl)ether	<	9.5	UG/L	11/07/11	8270DM	
Bis(2-chloroethoxy)methane	<	9.5	UG/L	11/07/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	9.5	UG/L	11/07/11	8270DM	
Butylbenzylphthalate	<	9.5	UG/L	11/07/11	8270DM	
Chrysene	<	9.5	UG/L	11/07/11	8270DM	
Diethylphthalate	<	9.5	UG/L	11/07/11	8270DM	
Dimethylphthalate	<	9.5	UG/L	11/07/11	8270DM	
Fluoranthene	<	9.5	UG/L	11/07/11	8270DM	
Fluorene	<	9.5	UG/L	11/07/11	8270DM	
Hexachlorocyclopentadiene	<	9.5	UG/L	11/07/11	8270DM	
Hexachloroethane in water	<	9.5	UG/L	11/07/11	8270DM	
Indeno(123cd)pyrene	<	9.5	UG/L	11/07/11	8270DM	
Isophorone	<	9.5	UG/L	11/07/11	8270DM	
Nitrosodipropylamine	<	9.5	UG/L	11/07/11	8270DM	
Nitrosodiphenylamine	<	9.5	UG/L	11/07/11	8270DM	
Nitrobenzene	<	9.5	UG/L	11/07/11	8270DM	
p-Chloro-m-cresol	<	9.5	UG/L	11/07/11	8270DM	
Phenanthrene	<	9.5	UG/L	11/07/11	8270DM	
Pyrene	<	9.5	UG/L	11/07/11	8270DM	
Benzo(ghi)perylene	<	9.5	UG/L	11/07/11	8270DM	
Benzo(a)anthracene	<	9.5	UG/L	11/07/11	8270DM	
Dibenzo(ah)anthracene	<	9.5	UG/L	11/07/11	8270DM	
2-Chloronaphthalene	<	9.5	UG/L	11/07/11	8270DM	
2-Chlorophenol	<	9.5	UG/L	11/07/11	8270DM	
2-Nitrophenol	<	9.5	UG/L	11/07/11	8270DM	
Di-n-octylphthalate	<	9.5	UG/L	11/07/11	8270DM	

Sample Number: 511928
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 11/2/2011
 Time Collected: 1654
 Date Received: 11/4/2011
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 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: RYAN RYSWYK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	9.5	UG/L	11/07/11	8270DM	
2,4-Dimethylphenol	<	9.5	UG/L	11/07/11	8270DM	
2,4-Dinitrotoluene	<	9.5	UG/L	11/07/11	8270DM	
2,4-Dinitrophenol	<	24	UG/L	11/07/11	8270DM	
2,4,6-Trichlorophenol	<	9.5	UG/L	11/07/11	8270DM	
2,6-Dinitrotoluene	<	9.5	UG/L	11/07/11	8270DM	
3,3'-Dichlorobenzidine	<	9.5	UG/L	11/07/11	8270DM	
4-Bromophenylphenyl ether	<	9.5	UG/L	11/07/11	8270DM	
4-Chlorophenyl phenylether	<	9.5	UG/L	11/07/11	8270DM	
4-Nitrophenol	<	24	UG/L	11/07/11	8270DM	
4,6-Dinitro-o-cresol	<	24	UG/L	11/07/11	8270DM	
Phenol	<	9.5	UG/L	11/07/11	8270DM	
Naphthalene	<	9.5	UG/L	11/07/11	8270DM	
Pentachlorophenol	<	24	UG/L	11/07/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	9.5	UG/L	11/07/11	8270DM	
Di-n-butylphthalate	<	9.5	UG/L	11/07/11	8270DM	
Hexachlorobenzene	<	9.5	UG/L	11/07/11	8270DM	
Hexachlorobutadiene	<	9.5	UG/L	11/07/11	8270DM	
Dibenzofuran	<	9.5	UG/L	11/07/11	8270DM	
2-Methylnaphthalene	<	9.5	UG/L	11/07/11	8270DM	
2-Methylphenol	<	9.5	UG/L	11/07/11	8270DM	
4-Methylphenol	<	9.5	UG/L	11/07/11	8270DM	
2,4,5-Trichlorophenol	<	9.5	UG/L	11/07/11	8270DM	
4-Chloroaniline	<	9.5	UG/L	11/07/11	8270DM	
2-Nitroaniline	<	24	UG/L	11/07/11	8270DM	
3-Nitroaniline	<	24	UG/L	11/07/11	8270DM	
4-Nitroaniline	<	24	UG/L	11/07/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		35
2,4,6-TRIBROMOPHENOL		54
2-FLUOROPHENOL		15
P-TERPHENYL-D14		71

Sample Number: 511928
Project Code: CMP-FK
Agency Number:
Date Collected: 11/2/2011
Time Collected: 1654
Date Received: 11/4/2011
Date Completed: 11/08/2011
Collected By: BM
PWS Id:
Location Code:
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Facility:
Report Date: 11/8/2011

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DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: RYAN RYSWYK

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		14
2-FLUOROBIPHENYL		36

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NU			

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SAINT JO BRIDGE (DOWNSTREAM) ; PH=8.85 ; DO=7.42 ; TEMP=17.30 ; SPEC= 2,994 ; SITE # 28

SAMPLE RECEIVING COMMENTS:

ICE ; SAMPLE= 3.8

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

(NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis.

*

* ANALYST

Cassandra Kontas

Sample Number: 511929
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 11/3/2011
 Time Collected: 1053
 Date Received: 11/4/2011
 Date Completed: 11/08/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 11/8/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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OKLAHOMA, 73102-6010
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To: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: RYAN RYSWYK

Name	Qualifier		Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractabl			1.11				
Acenaphthylene	UJ	<	11	UG/L	11/07/11	8270DM	
Acenaphthene	UJ	<	11	UG/L	11/07/11	8270DM	
Anthracene		<	11	UG/L	11/07/11	8270DM	
Benzo(b)fluoranthene		<	11	UG/L	11/07/11	8270DM	
Benzo(k)fluoranthene		<	11	UG/L	11/07/11	8270DM	
Benzo(a)pyrene		<	11	UG/L	11/07/11	8270DM	
Bis(2-chloroethyl)ether		<	11	UG/L	11/07/11	8270DM	
Bis(2-chloroethoxy)methane	UJ	<	11	UG/L	11/07/11	8270DM	
Bis(2-chloroisopropyl)ethe		<	11	UG/L	11/07/11	8270DM	
Butylbenzylphthalate		<	11	UG/L	11/07/11	8270DM	
Chrysene		<	11	UG/L	11/07/11	8270DM	
Diethylphthalate	UJ	<	11	UG/L	11/07/11	8270DM	
Dimethylphthalate	UJ	<	11	UG/L	11/07/11	8270DM	
Fluoranthene		<	11	UG/L	11/07/11	8270DM	
Fluorene	UJ	<	11	UG/L	11/07/11	8270DM	
Hexachlorocyclopentadiene	UJ	<	11	UG/L	11/07/11	8270DM	
Hexachloroethane in water		<	11	UG/L	11/07/11	8270DM	
Indeno(123cd)pyrene		<	11	UG/L	11/07/11	8270DM	
Isophorone	UJ	<	11	UG/L	11/07/11	8270DM	
Nitrosodipropylamine		<	11	UG/L	11/07/11	8270DM	
Nitrosodiphenylamine		<	11	UG/L	11/07/11	8270DM	
Nitrobenzene	UJ	<	11	UG/L	11/07/11	8270DM	
p-Chloro-m-cresol	UJ	<	11	UG/L	11/07/11	8270DM	
Phenanthrene		<	11	UG/L	11/07/11	8270DM	
Pyrene		<	11	UG/L	11/07/11	8270DM	
Benzo(ghi)perylene		<	11	UG/L	11/07/11	8270DM	
Benzo(a)anthracene		<	11	UG/L	11/07/11	8270DM	
Dibenzo(ah)anthracene		<	11	UG/L	11/07/11	8270DM	
2-Chloronaphthalene	UJ	<	11	UG/L	11/07/11	8270DM	
2-Chlorophenol		<	11	UG/L	11/07/11	8270DM	
2-Nitrophenol	UJ	<	11	UG/L	11/07/11	8270DM	
Di-n-octylphthalate		<	11	UG/L	11/07/11	8270DM	

Sample Number: 511929
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 11/3/2011
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 Date Completed: 11/08/2011
 Collected By: BM
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 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: RYAN RYSWYK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	UJ <	11	UG/L	11/07/11	8270DM	
2,4-Dimethylphenol	UJ <	11	UG/L	11/07/11	8270DM	
2,4-Dinitrotoluene	UJ <	11	UG/L	11/07/11	8270DM	
2,4-Dinitrophenol	UJ <	28	UG/L	11/07/11	8270DM	
2,4,6-Trichlorophenol	UJ <	11	UG/L	11/07/11	8270DM	
2,6-Dinitrotoluene	UJ <	11	UG/L	11/07/11	8270DM	
3,3'-Dichlorobenzidine	<	11	UG/L	11/07/11	8270DM	
4-Bromophenylphenyl ether	<	11	UG/L	11/07/11	8270DM	
4-Chlorophenyl phenylether	UJ <	11	UG/L	11/07/11	8270DM	
4-Nitrophenol	UJ <	28	UG/L	11/07/11	8270DM	
4,6-Dinitro-o-cresol	<	28	UG/L	11/07/11	8270DM	
Phenol	<	11	UG/L	11/07/11	8270DM	
Naphthalene	UJ <	11	UG/L	11/07/11	8270DM	
Pentachlorophenol	<	28	UG/L	11/07/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	11	UG/L	11/07/11	8270DM	
Di-n-butylphthalate	<	11	UG/L	11/07/11	8270DM	
Hexachlorobenzene	<	11	UG/L	11/07/11	8270DM	
Hexachlorobutadiene	UJ <	11	UG/L	11/07/11	8270DM	
Dibenzofuran	UJ <	11	UG/L	11/07/11	8270DM	
2-Methylnaphthalene	UJ <	11	UG/L	11/07/11	8270DM	
2-Methylphenol	<	11	UG/L	11/07/11	8270DM	
4-Methylphenol	<	11	UG/L	11/07/11	8270DM	
2,4,5-Trichlorophenol	UJ <	11	UG/L	11/07/11	8270DM	
4-Chloroaniline	UJ <	11	UG/L	11/07/11	8270DM	
2-Nitroaniline	UJ <	28	UG/L	11/07/11	8270DM	
3-Nitroaniline	UJ <	28	UG/L	11/07/11	8270DM	
4-Nitroaniline	UJ <	28	UG/L	11/07/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		14
PHENOL-D5		17
2-FLUOROBIPHENYL		23
NITROBENZENE-D5		22

Sample Number: 511929
Project Code: CMP-FK
Agency Number:
Date Collected: 11/3/2011
Time Collected: 1053
Date Received: 11/4/2011
Date Completed: 11/08/2011
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PWS Id:
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Report Date: 11/8/2011

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BUCK WRAY/ODWC

CC: RYAN RYSWYK

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		41
P-TERPHENYL-D14		60

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NOT ANALYZED			

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:

0.26 MI UPSTREAM OF CONFLUENCE; PH=7.40;DO=9.59;SPEC=777US;TEMP=9.24;SITE #29

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.8

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

(NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis.

The surrogates nitrobenzene-d5, 2-fluorobiphenyl, and 2,4,6-tribromophenol had recoveries that were lower than in-house control limits; therefore, target analytes associated with the surrogates were qualified as "UJ." The sample had a relatively high amount of clay particulate matter which, hypothetically, could have contributed to the low surrogate recoveries.

(UJ) The compound was analyzed for but was not detected at or above the reporting limit; the associated value is an estimate and may be inaccurate or imprecise.

* ANALYST

Cassandra Kontas

Sample Number: 511930
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 11/3/2011
 Time Collected:
 Date Received: 11/4/2011
 Date Completed: 11/08/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 11/8/2011

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STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-800-869-1400
 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: RYAN RYSWYK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.00				
Acenaphthylene	<	10	UG/L	11/07/11	8270DM	
Acenaphthene	<	10	UG/L	11/07/11	8270DM	
Anthracene	<	10	UG/L	11/07/11	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	11/07/11	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	11/07/11	8270DM	
Benzo(a)pyrene	<	10	UG/L	11/07/11	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	11/07/11	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	11/07/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	10	UG/L	11/07/11	8270DM	
Butylbenzylphthalate	<	10	UG/L	11/07/11	8270DM	
Chrysene	<	10	UG/L	11/07/11	8270DM	
Diethylphthalate	<	10	UG/L	11/07/11	8270DM	
Dimethylphthalate	<	10	UG/L	11/07/11	8270DM	
Fluoranthene	<	10	UG/L	11/07/11	8270DM	
Fluorene	<	10	UG/L	11/07/11	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	11/07/11	8270DM	
Hexachloroethane in water	<	10	UG/L	11/07/11	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	11/07/11	8270DM	
Isophorone	<	10	UG/L	11/07/11	8270DM	
Nitrosodipropylamine	<	10	UG/L	11/07/11	8270DM	
Nitrosodiphenylamine	<	10	UG/L	11/07/11	8270DM	
Nitrobenzene	<	10	UG/L	11/07/11	8270DM	
p-Chloro-m-cresol	<	10	UG/L	11/07/11	8270DM	
Phenanthrene	<	10	UG/L	11/07/11	8270DM	
Pyrene	<	10	UG/L	11/07/11	8270DM	
Benzo(ghi)perylene	<	10	UG/L	11/07/11	8270DM	
Benzo(a)anthracene	<	10	UG/L	11/07/11	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	11/07/11	8270DM	
2-Chloronaphthalene	<	10	UG/L	11/07/11	8270DM	
2-Chlorophenol	<	10	UG/L	11/07/11	8270DM	
2-Nitrophenol	<	10	UG/L	11/07/11	8270DM	
Di-n-octylphthalate	<	10	UG/L	11/07/11	8270DM	

Sample Number: 511930
Project Code: CMP-FK
Agency Number:
Date Collected: 11/3/2011
Time Collected:
Date Received: 11/4/2011
Date Completed: 11/08/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 11/8/2011

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	11/07/11	8270DM	
2,4-Dimethylphenol	<	10	UG/L	11/07/11	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	11/07/11	8270DM	
2,4-Dinitrophenol	<	25	UG/L	11/07/11	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	11/07/11	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	11/07/11	8270DM	
3,3'-Dichlorobenzidine	<	10	UG/L	11/07/11	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	11/07/11	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	11/07/11	8270DM	
4-Nitrophenol	<	25	UG/L	11/07/11	8270DM	
4,6-Dinitro-o-cresol	<	25	UG/L	11/07/11	8270DM	
Phenol	<	10	UG/L	11/07/11	8270DM	
Naphthalene	<	10	UG/L	11/07/11	8270DM	
Pentachlorophenol	<	25	UG/L	11/07/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	11/07/11	8270DM	
Di-n-butylphthalate	<	10	UG/L	11/07/11	8270DM	
Hexachlorobenzene	<	10	UG/L	11/07/11	8270DM	
Hexachlorobutadiene	<	10	UG/L	11/07/11	8270DM	
Dibenzofuran	<	10	UG/L	11/07/11	8270DM	
2-Methylnaphthalene	<	10	UG/L	11/07/11	8270DM	
2-Methylphenol	<	10	UG/L	11/07/11	8270DM	
4-Methylphenol	<	10	UG/L	11/07/11	8270DM	
2,4,5-Trichlorophenol	<	10	UG/L	11/07/11	8270DM	
4-Chloroaniline	<	10	UG/L	11/07/11	8270DM	
2-Nitroaniline	<	25	UG/L	11/07/11	8270DM	
3-Nitroaniline	<	25	UG/L	11/07/11	8270DM	
4-Nitroaniline	<	25	UG/L	11/07/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		46
2-FLUOROPHENOL		23
2-FLUOROBIPHENYL		54
2,4,6-TRIBROMOPHENOL		63

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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
P-TERPHENYL-D14		95
PHENOL-D5		18

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:
LAB BLANK

SAMPLE RECEIVING COMMENTS:
ICE; SAMPLE= 3.8

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas
(NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis.

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* ANALYST

Cassandra Kontas