

Sample Number: 506647
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1545
Date Received: 7/15/2011
Date Completed: 07/25/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 7/25/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: MATT MAUCK
2021 CADD0 HWY
CADD0, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Specific Conductance		7660	uMHO/CM	07/22/11	2510B	
pH, Liquid		7.97	STD UNIT	07/22/11	150.1	
Alkalinity, Total		58.1	MG/L	07/19/11	310.2	
Nitrogen, Ammonia	<	0.10	MG/L	07/15/11	350.1	
Nitrogen, Kjeldahl		1.91	MG/L	07/22/11	351.2	
Nitrite-Nitrate as N	<	0.05	MG/L	07/15/11	353.2	
Phosphorus, Total		0.184	MG/L	07/19/11	365.3	
Microcystins, Total		0.20	ug/L	07/18/11	ELISA	
Chloride		2050	MG/L	07/15/11	325.2	
Sulfate		1150	MG/L	07/15/11	375.4	
Residual Chlorine, Total		0.29	MG/L	07/15/11	4500CLG	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:
DEQ SITE # 7B

ANALYST'S COMMENTS:

* ANALYST

Susan Mensik

Susan Mensik

State Environmental Laboratory

Sample Number: 506647
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1545
Date Received: 7/15/2011
Date Completed: 08/09/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/9/2011

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: MATT MAUCK
2021 CADDO HWY
CADDO, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Sodium, Total		1140	MG/L	07/28/11	200.7	
Arsenic, Total	<	10.0	UG/L	07/29/11	200.7	
Barium, Total		190	UG/L	07/29/11	200.7	
Beryllium, Total	<	2.00	UG/L	07/29/11	200.7	
Cadmium, Total	<	5.00	UG/L	07/29/11	200.7	
Chromium, Total	<	5.00	UG/L	07/29/11	200.7	
Copper, Total	<	5.00	UG/L	07/29/11	200.7	
Lead, Total	<	10.0	UG/L	07/29/11	200.7	
Thallium, Total	<	10.0	UG/L	07/29/11	200.7	
Nickel, Total	<	10.0	UG/L	07/29/11	200.7	
Silver, Total	<	5.00	UG/L	07/29/11	200.7	
Zinc, Total	<	5.00	UG/L	07/29/11	200.7	
Antimony, Total	<	10.0	UG/L	07/29/11	200.7	
Selenium, Total	<	10.0	UG/L	07/29/11	200.7	
Uranium, Total		6.60	UG/L	07/29/11	200.8	
Mercury, Total	<	0.05	UG/L	07/19/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:
DEQ SITE # 7B

ANALYST'S COMMENTS:
Sr measured 4430 ppb

*

* ANALYST



Sample Number: 506647
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1545
Date Received: 7/15/2011
Date Completed: 08/09/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/22/2011

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: MATT MAUCK
2021 CADDO HWY
CADDO, OK 74729

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

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Sodium, Total		1140	MG/L	07/28/11	200.7	
Arsenic, Total	<	10.0	UG/L	07/29/11	200.7	
Barium, Total		190	UG/L	07/29/11	200.7	
Beryllium, Total	<	2.00	UG/L	07/29/11	200.7	
Cadmium, Total	<	5.00	UG/L	07/29/11	200.7	
Chromium, Total	<	5.00	UG/L	07/29/11	200.7	
Copper, Total	<	5.00	UG/L	07/29/11	200.7	
Lead, Total	<	10.0	UG/L	07/29/11	200.7	
Thallium, Total	<	10.0	UG/L	07/29/11	200.7	
Nickel, Total	<	10.0	UG/L	07/29/11	200.7	
Silver, Total	<	5.00	UG/L	07/29/11	200.7	
Strontium, Total		4430	UG/L	07/29/11	200.7	
Zinc, Total	<	5.00	UG/L	07/29/11	200.7	
Antimony, Total	<	10.0	UG/L	07/29/11	200.7	
Selenium, Total	<	10.0	UG/L	07/29/11	200.7	
Uranium, Total		6.60	UG/L	07/29/11	200.8	
Mercury, Total	<	0.05	UG/L	07/19/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals Gen. Chem.

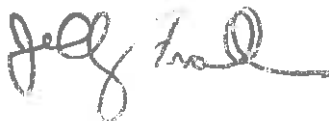
SOURCE: RED RIVER

SAMPLERS COMMENTS:

DEQ SITE # 7B

ANALYST'S COMMENTS:

(CF) Corrected final report.



* ANALYST

Sample Number: 506647
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1545
Date Received: 7/15/2011
Date Completed: 10/10/2011
Collected By: BM
PWS Id:
Location Code:
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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 Radio Chemistry
EPA Drinking Water Certification #OK00013

To: MATT MAUCK
2021 CADDOW HWY
CADDOW, OK 74729

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

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA		26.15	pCi/L	07/28/11	7110B	
GROSS BETA COUNTING ERROR		6.031	pCi/L	07/28/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

DEQ SITE # 7B

ANALYST'S COMMENTS:

*

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 506648
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
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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: MATT MAUCK
 2021 CADDOW HWY
 CADDOW, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.80		07/15/11	8260BM	
Benzene	<	18.0	UG/KG	07/15/11	8260BM	
Bromoform	<	18.0	UG/KG	07/15/11	8260BM	
Carbon tetrachloride	<	18.0	UG/KG	07/15/11	8260BM	
Chlorobenzene	<	18.0	UG/KG	07/15/11	8260BM	
Dibromochloromethane	<	18.0	UG/KG	07/15/11	8260BM	
Chloroethane	<	18.0	UG/KG	07/15/11	8260BM	
Chloroform	<	18.0	UG/KG	07/15/11	8260BM	
Bromodichloromethane	<	18.0	UG/KG	07/15/11	8260BM	
Ethylbenzene	<	18.0	UG/KG	07/15/11	8260BM	
Methyl chloride	<	18.0	UG/KG	07/15/11	8260BM	
Methylene chloride	<	18.0	UG/KG	07/15/11	8260BM	
Tetrachloroethene	<	18.0	UG/KG	07/15/11	8260BM	
Toluene	<	18.0	UG/KG	07/15/11	8260BM	
Trichloroethene	<	18.0	UG/KG	07/15/11	8260BM	
Vinyl chloride	<	18.0	UG/KG	07/15/11	8260BM	
1,1-Dichloroethane	<	18.0	UG/KG	07/15/11	8260BM	
1,1-Dichloroethene	<	18.0	UG/KG	07/15/11	8260BM	
1,1,1-Trichloroethane	<	18.0	UG/KG	07/15/11	8260BM	
1,1,2-Trichloroethane	<	18.0	UG/KG	07/15/11	8260BM	
1,1,2,2-Tetrachloroethane	<	18.0	UG/KG	07/15/11	8260BM	
1,2-Dichloroethane	<	18.0	UG/KG	07/15/11	8260BM	
1,2-Dichloropropane	<	18.0	UG/KG	07/15/11	8260BM	
trans-1,2-Dichloroethene	<	18.0	UG/KG	07/15/11	8260BM	
trans-1,3-Dichloropropene	<	18.0	UG/KG	07/15/11	8260BM	
cis-1,3-Dichloropropene	<	18.0	UG/KG	07/15/11	8260BM	
Total Xylenes	<	18.0	UG/KG	07/15/11	8260BM	
Acetone	<	18.0	UG/KG	07/15/11	8260BM	
Methylethyl ketone	<	18.0	UG/KG	07/15/11	8260BM	
2-Hexanone	<	18.0	UG/KG	07/15/11	8260BM	
Methylisobutyl ketone	<	18.0	UG/KG	07/15/11	8260BM	
Styrene	<	18.0	UG/KG	07/15/11	8260BM	
Carbon disulfide	<	18.0	UG/KG	07/15/11	8260BM	

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 OKLAHOMA, 73102-6010
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 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: MATT MAUCK
 2021 CADDOW HWY
 CADDOW, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
% Moisture - GC/MS Lab		14.0	%	07/19/11	1005 M	
Dichlorodifluoromethane	<	18.0	UG/KG	07/15/11	8260BM	
Trichlorofluoromethane	<	18.0	UG/KG	07/15/11	8260BM	
1,1,2-Trichloro-1,2,2-trifl.	<	18.0	UG/KG	07/15/11	8260BM	
Methyl Acetate	<	18.0	UG/KG	07/15/11	8260BM	
Methyl tert-butyl ether (M	<	18.0	UG/KG	07/15/11	8260BM	
cis-1,2-Dichloroethene	<	18.0	UG/KG	07/15/11	8260BM	
Cyclohexane	<	18.0	UG/KG	07/15/11	8260BM	
Methylcyclohexane	<	18.0	UG/KG	07/15/11	8260BM	
1,2-Dibromoethane	<	18.0	UG/KG	07/15/11	8260BM	
Isopropylbenzene	<	18.0	UG/KG	07/15/11	8260BM	
1,2-Dichlorobenzene	<	18.0	UG/KG	07/15/11	8260BM	
1,3-Dichlorobenzene	<	18.0	UG/KG	07/15/11	8260BM	
1,4-Dichlorobenzene	<	18.0	UG/KG	07/15/11	8260BM	
1,2-Dibromo-3-chloropropane	<	18.0	UG/KG	07/15/11	8260BM	
1,2,4-Trichlorobenzene	<	18.0	UG/KG	07/15/11	8260BM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
TOLUENE-D8		98
4-BROMOFLUOROBENZENE		96
1,2-DICHLOROETHANE-D4		92

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NONE FOUND		0	

Summary

Labs performing analysis on this Sample:
 Metals GCMS Gen. Chem.

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OKLAHOMA CITY
OKLAHOMA, 73102-6010
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Report of Analysis by GCMS

EPA Drinking Water Certification #OK00013

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

CC: MATT MAUCK
2021 CADDOW HWY
CADDOW, OK 74729

SOURCE: RED RIVER

SAMPLERS COMMENTS:
SEDIMENT SAMPLE DEQ # 5B

ANALYST'S COMMENTS:

*

* ANALYST

Agnes Che

Sample Number: 506648
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1430
Date Received: 7/15/2011
Date Completed: 07/25/2011
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OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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OKLAHOMA CITY
OKLAHOMA, 73102-6010
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DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: MATT MAUCK
2021 CADDO HWY
CADDO, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
pH, Soil and Wastes	NMC	7.76	STD UNIT	07/15/11	9045D	
Alkalinity, Total (Sed.)	<	200	MG/KG	07/19/11	DEQ	
Nitrogen, Ammonia (Sed.)	<	2.00	MG/KG	07/15/11	DEQ	
Nitrogen, Kjeldahl (Sed.)		35.3	MG/KG	07/22/11	351.2	
Nitrate-Nitrite (Sed.)	<	1.00	MG/KG	07/20/11	353.2M	
Phosphorous, Total (Sed.)		12.6	MG/KG	07/19/11	365.3	
Chloride (Sed.)		445	MG/KG	07/21/11	325.2M	
Sulfate (Sed.)		1070	MG/KG	07/21/11	375.4M	

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SEDIMENT SAMPLE DEQ # 5B

ANALYST'S COMMENTS:

(NMC) Analytical value is not moisture corrected

Susan Mensik

* ANALYST

Susan Mensik

State Environmental Laboratory

Sample Number: 506648
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1430
Date Received: 7/15/2011
Date Completed: 08/09/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/18/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
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Sample Receiving: (405) 702-1113
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EPA Drinking Water Certification #OK00013

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

CC: MATT MAUCK
2021 CADDO HWY
CADDO, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Sediment	<	10.0	MG/KG	07/29/11	6010	
Barium, Sediment		58.7	MG/KG	07/29/11	6010	
Beryllium, Sediment	<	2.00	MG/KG	07/29/11	6010	
Cadmium, Sediment	<	5.00	MG/KG	07/29/11	6010	
Chromium, Sediment	<	5.00	MG/KG	07/29/11	6010	
Copper, Sediment	<	5.00	MG/KG	07/29/11	6010	
Lead, Sediment	<	10.0	MG/KG	07/29/11	6010	
Nickel, Sediment	<	10.0	MG/KG	07/29/11	6010	
Silver, Sediment	<	5.00	MG/KG	07/29/11	6010	
Strontium, Sediment		25.5	MG/KG	07/29/11	6010	
Zinc, Sediment	<	5.00	MG/KG	07/29/11	6010	
Antimony, Sediment	<	10.0	MG/KG	07/29/11	6010	
Selenium, Sediment	<	10.0	MG/KG	07/29/11	6010	
Thallium, Sediment	<	10.0	MG/KG	07/29/11	6010	
Mercury, Sediment	<	0.25	MG/KG	07/21/11	7471	
% Solids		79.6	%	07/29/11	CLP 5.4	

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: RED RIVER

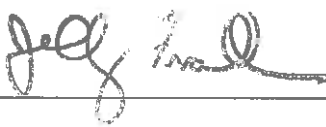
SAMPLERS COMMENTS:

SEDIMENT SAMPLE DEQ # 5B

ANALYST'S COMMENTS:

*

* ANALYST



Sample Number: 506649
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected: 1506
 Date Received: 7/15/2011
 Date Completed: 07/19/2011
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 Report Date: 7/19/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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707 N. ROBINSON
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To: BRIAN MAGOTT/CSD
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 BUCK WRAY/ODWC

CC: MATT MAUCK
 2021 CADDOW HWY
 CADDOW, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.90		07/15/11	8260BM	
Benzene	<	19.0	UG/KG	07/15/11	8260BM	
Bromoform	<	19.0	UG/KG	07/15/11	8260BM	
Carbon tetrachloride	<	19.0	UG/KG	07/15/11	8260BM	
Chlorobenzene	<	19.0	UG/KG	07/15/11	8260BM	
Dibromochloromethane	<	19.0	UG/KG	07/15/11	8260BM	
Chloroethane	<	19.0	UG/KG	07/15/11	8260BM	
Chloroform	<	19.0	UG/KG	07/15/11	8260BM	
Bromodichloromethane	<	19.0	UG/KG	07/15/11	8260BM	
Ethylbenzene	<	19.0	UG/KG	07/15/11	8260BM	
Methyl chloride	<	19.0	UG/KG	07/15/11	8260BM	
Methylene chloride	<	19.0	UG/KG	07/15/11	8260BM	
Tetrachloroethene	<	19.0	UG/KG	07/15/11	8260BM	
Toluene	<	19.0	UG/KG	07/15/11	8260BM	
Trichloroethene	<	19.0	UG/KG	07/15/11	8260BM	
Vinyl chloride	<	19.0	UG/KG	07/15/11	8260BM	
1,1-Dichloroethane	<	19.0	UG/KG	07/15/11	8260BM	
1,1-Dichloroethene	<	19.0	UG/KG	07/15/11	8260BM	
1,1,1-Trichloroethane	<	19.0	UG/KG	07/15/11	8260BM	
1,1,2-Trichloroethane	<	19.0	UG/KG	07/15/11	8260BM	
1,1,2,2-Tetrachloroethane	<	19.0	UG/KG	07/15/11	8260BM	
1,2-Dichloroethane	<	19.0	UG/KG	07/15/11	8260BM	
1,2-Dichloropropane	<	19.0	UG/KG	07/15/11	8260BM	
trans-1,2-Dichloroethene	<	19.0	UG/KG	07/15/11	8260BM	
trans-1,3-Dichloropropene	<	19.0	UG/KG	07/15/11	8260BM	
cis-1,3-Dichloropropene	<	19.0	UG/KG	07/15/11	8260BM	
Total Xylenes	<	19.0	UG/KG	07/15/11	8260BM	
Acetone	<	19.0	UG/KG	07/15/11	8260BM	
Methylethyl ketone	<	19.0	UG/KG	07/15/11	8260BM	
2-Hexanone	<	19.0	UG/KG	07/15/11	8260BM	
Methylisobutyl ketone	<	19.0	UG/KG	07/15/11	8260BM	
Styrene	<	19.0	UG/KG	07/15/11	8260BM	
Carbon disulfide	<	19.0	UG/KG	07/15/11	8260BM	

Sample Number: 506649
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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: MATT MAUCK
 2021 CADDOW HWY
 CADDOW, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
% Moisture - GC/MS Lab		20.0	%	07/19/11	1005 M	
Dichlorodifluoromethane	<	19.0	UG/KG	07/15/11	8260BM	
Trichlorofluoromethane	<	19.0	UG/KG	07/15/11	8260BM	
1,1,2-Trichloro-1,2,2-trifl	<	19.0	UG/KG	07/15/11	8260BM	
Methyl Acetate	<	19.0	UG/KG	07/15/11	8260BM	
Methyl tert-butyl ether (M	<	19.0	UG/KG	07/15/11	8260BM	
cis-1,2-Dichloroethene	<	19.0	UG/KG	07/15/11	8260BM	
Cyclohexane	<	19.0	UG/KG	07/15/11	8260BM	
Methylcyclohexane	<	19.0	UG/KG	07/15/11	8260BM	
1,2-Dibromoethane	<	19.0	UG/KG	07/15/11	8260BM	
Isopropylbenzene	<	19.0	UG/KG	07/15/11	8260BM	
1,2-Dichlorobenzene	<	19.0	UG/KG	07/15/11	8260BM	
1,3-Dichlorobenzene	<	19.0	UG/KG	07/15/11	8260BM	
1,4-Dichlorobenzene	<	19.0	UG/KG	07/15/11	8260BM	
1,2-Dibromo-3-chloropropan	<	19.0	UG/KG	07/15/11	8260BM	
1,2,4-Trichlorobenzene	<	19.0	UG/KG	07/15/11	8260BM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
TOLUENE-D8		99
4-BROMOFLUOROBENZENE		96
1,2-DICHLOROETHANE-D4		92

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NONE FOUND		0	

Summary

Labs performing analysis on this Sample:
 Metals GCMS Gen. Chem.

Sample Number: 506649
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1506
Date Received: 7/15/2011
Date Completed: 07/19/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 7/19/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
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OKLAHOMA CITY
OKLAHOMA, 73102-6010
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Sample Receiving: (405) 702-1113

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EPA Drinking Water Certification #OK00013

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

CC: MATT MAUCK
2021 CADDOW HWY
CADDOW, OK 74729

SOURCE: RED RIVER

SAMPLERS COMMENTS:
SEDIMENT SAMPLE DEQ # 6B

ANALYST'S COMMENTS:

* ANALYST

Agnes Che

Sample Number: 506649
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1506
Date Received: 7/15/2011
Date Completed: 07/25/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 7/25/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: MATT MAUCK
2021 CADDO HWY
CADDO, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
pH, Soil and Wastes	NMC	7.58	STD UNIT	07/15/11	9045D	
Alkalinity, Total (Sed.)	<	200	MG/KG	07/19/11	DEQ	
Nitrogen, Ammonia (Sed.)	<	2.00	MG/KG	07/15/11	DEQ	
Nitrogen, Kjeldahl (Sed.)		4.78	MG/KG	07/22/11	351.2	
Nitrate-Nitrite (Sed.)	<	1.00	MG/KG	07/20/11	353.2M	
Phosphorous, Total (Sed.)		2.53	MG/KG	07/19/11	365.3	
Chloride (Sed.)		521	MG/KG	07/21/11	325.2M	
Sulfate (Sed.)		364	MG/KG	07/21/11	375.4M	

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SEDIMENT SAMPLE DEQ # 6B

ANALYST'S COMMENTS:

(NMC) Analytical value is not moisture corrected

* ANALYST

Susan Mensik

Susan Mensik

State Environmental Laboratory

Sample Number: 506649
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1506
Date Received: 7/15/2011
Date Completed: 08/09/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/18/2011

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: MATT MAUCK
2021 CADDO HWY
CADDO, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Sediment	<	10.0	MG/KG	07/29/11	6010	
Barium, Sediment		51.9	MG/KG	07/29/11	6010	
Beryllium, Sediment	<	2.00	MG/KG	07/29/11	6010	
Cadmium, Sediment	<	5.00	MG/KG	07/29/11	6010	
Chromium, Sediment	<	5.00	MG/KG	07/29/11	6010	
Copper, Sediment	<	5.00	MG/KG	07/29/11	6010	
Lead, Sediment	<	10.0	MG/KG	07/29/11	6010	
Nickel, Sediment	<	10.0	MG/KG	07/29/11	6010	
Silver, Sediment	<	5.00	MG/KG	07/29/11	6010	
Strontium, Sediment		21.4	MG/KG	07/29/11	6010	
Zinc, Sediment	<	5.00	MG/KG	07/29/11	6010	
Antimony, Sediment	<	10.0	MG/KG	07/29/11	6010	
Selenium, Sediment	<	10.0	MG/KG	07/29/11	6010	
Thallium, Sediment	<	10.0	MG/KG	07/29/11	6010	
Mercury, Sediment	<	0.25	MG/KG	07/22/11	7471	
% Solids		82.4	%	07/29/11	CLP 5.4	

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SEDIMENT SAMPLE DEQ # 6B

ANALYST'S COMMENTS:



* ANALYST

Sample Number: 506650
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected: 1545
 Date Received: 7/15/2011
 Date Completed: 07/19/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/19/2011

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 GCMS

EPA Drinking Water Certification #OK00013

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 BUCK WRAY/ODWC

CC: MATT MAUCK
 2021 CADDOW HWY
 CADDOW, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.80		07/15/11	8260BM	
Benzene	<	18.0	UG/KG	07/15/11	8260BM	
Bromoform	<	18.0	UG/KG	07/15/11	8260BM	
Carbon tetrachloride	<	18.0	UG/KG	07/15/11	8260BM	
Chlorobenzene	<	18.0	UG/KG	07/15/11	8260BM	
Dibromochloromethane	<	18.0	UG/KG	07/15/11	8260BM	
Chloroethane	<	18.0	UG/KG	07/15/11	8260BM	
Chloroform	<	18.0	UG/KG	07/15/11	8260BM	
Bromodichloromethane	<	18.0	UG/KG	07/15/11	8260BM	
Ethylbenzene	<	18.0	UG/KG	07/15/11	8260BM	
Methyl chloride	<	18.0	UG/KG	07/15/11	8260BM	
Methylene chloride	<	18.0	UG/KG	07/15/11	8260BM	
Tetrachloroethene	<	18.0	UG/KG	07/15/11	8260BM	
Toluene	<	18.0	UG/KG	07/15/11	8260BM	
Trichloroethene	<	18.0	UG/KG	07/15/11	8260BM	
Vinyl chloride	<	18.0	UG/KG	07/15/11	8260BM	
1,1-Dichloroethane	<	18.0	UG/KG	07/15/11	8260BM	
1,1-Dichloroethene	<	18.0	UG/KG	07/15/11	8260BM	
1,1,1-Trichloroethane	<	18.0	UG/KG	07/15/11	8260BM	
1,1,2-Trichloroethane	<	18.0	UG/KG	07/15/11	8260BM	
1,1,2,2-Tetrachloroethane	<	18.0	UG/KG	07/15/11	8260BM	
1,2-Dichloroethane	<	18.0	UG/KG	07/15/11	8260BM	
1,2-Dichloropropane	<	18.0	UG/KG	07/15/11	8260BM	
trans-1,2-Dichloroethene	<	18.0	UG/KG	07/15/11	8260BM	
trans-1,3-Dichloropropene	<	18.0	UG/KG	07/15/11	8260BM	
cis-1,3-Dichloropropene	<	18.0	UG/KG	07/15/11	8260BM	
Total Xylenes	<	18.0	UG/KG	07/15/11	8260BM	
Acetone	<	18.0	UG/KG	07/15/11	8260BM	
Methylethyl ketone	<	18.0	UG/KG	07/15/11	8260BM	
2-Hexanone	<	18.0	UG/KG	07/15/11	8260BM	
Methylisobutyl ketone	<	18.0	UG/KG	07/15/11	8260BM	
Styrene	<	18.0	UG/KG	07/15/11	8260BM	
Carbon disulfide	<	18.0	UG/KG	07/15/11	8260BM	

Sample Number: 506650
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected: 1545
 Date Received: 7/15/2011
 Date Completed: 07/19/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/19/2011

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To: BRIAN MAGOTT/CSD
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 BUCK WRAY/ODWC

CC: MATT MAUCK
 2021 CADDO HWY
 CADDO, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
% Moisture - GC/MS Lab		14.0	%	07/19/11	1005 M	
Dichlorodifluoromethane	<	18.0	UG/KG	07/15/11	8260BM	
Trichlorofluoromethane	<	18.0	UG/KG	07/15/11	8260BM	
1,1,2-Trichloro-1,2,2-trifl	<	18.0	UG/KG	07/15/11	8260BM	
Methyl Acetate	<	18.0	UG/KG	07/15/11	8260BM	
Methyl tert-butyl ether (M	<	18.0	UG/KG	07/15/11	8260BM	
cis-1,2-Dichloroethene	<	18.0	UG/KG	07/15/11	8260BM	
Cyclohexane	<	18.0	UG/KG	07/15/11	8260BM	
Methylcyclohexane	<	18.0	UG/KG	07/15/11	8260BM	
1,2-Dibromoethane	<	18.0	UG/KG	07/15/11	8260BM	
Isopropylbenzene	<	18.0	UG/KG	07/15/11	8260BM	
1,2-Dichlorobenzene	<	18.0	UG/KG	07/15/11	8260BM	
1,3-Dichlorobenzene	<	18.0	UG/KG	07/15/11	8260BM	
1,4-Dichlorobenzene	<	18.0	UG/KG	07/15/11	8260BM	
1,2-Dibromo-3-chloropropane	<	18.0	UG/KG	07/15/11	8260BM	
1,2,4-Trichlorobenzene	<	18.0	UG/KG	07/15/11	8260BM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
TOLUENE-D8		100
4-BROMOFLUOROBENZENE		96
1,2-DICHLOROETHANE-D4		95

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NONE FOUND		0	

Summary

Labs performing analysis on this Sample:
 Metals GCMS Gen. Chem.

Sample Number: 506650
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1545
Date Received: 7/15/2011
Date Completed: 07/19/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 7/19/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

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

CC: MATT MAUCK
2021 CADDO HWY
CADDO, OK 74729

SOURCE: RED RIVER

SAMPLERS COMMENTS:
SEDIMENT SAMPLE DEQ # 7B

ANALYST'S COMMENTS:

*

* ANALYST

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Sample Number: 506650
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1545
Date Received: 7/15/2011
Date Completed: 07/25/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 7/25/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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OKLAHOMA CITY
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EPA Drinking Water Certification #OK00013

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

CC: MATT MAUCK
2021 CADDO HWY
CADDO, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
pH, Soil and Wastes	NMC	7.89	STD UNIT	07/15/11	9045D	
Alkalinity, Total (Sed.)	<	200	MG/KG	07/19/11	DEQ	
Nitrogen, Ammonia (Sed.)		2.44	MG/KG	07/25/11	DEQ	
Nitrogen, Kjeldahl (Sed.)		43.5	MG/KG	07/22/11	351.2	
Nitrate-Nitrite (Sed.)	<	1.00	MG/KG	07/20/11	353.2M	
Phosphorous, Total (Sed.)		20.7	MG/KG	07/19/11	365.3	
Chloride (Sed.)		437	MG/KG	07/21/11	325.2M	
Sulfate (Sed.)		774	MG/KG	07/21/11	375.4M	

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SEDIMENT SAMPLE DEQ # 7B

ANALYST'S COMMENTS:

(NMC) Analytical value is not moisture corrected.

* ANALYST

Susan Mensik

Susan Mensik

State Environmental Laboratory

Sample Number: 506650
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1545
Date Received: 7/15/2011
Date Completed: 08/09/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/18/2011

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

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

CC: MATT MAUCK
2021 CADDO HWY
CADDO, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Sediment	<	10.0	MG/KG	07/29/11	6010	
Barium, Sediment		55.3	MG/KG	07/29/11	6010	
Beryllium, Sediment	<	2.00	MG/KG	07/29/11	6010	
Cadmium , Sediment	<	5.00	MG/KG	07/29/11	6010	
Chromium, Sediment	<	5.00	MG/KG	07/29/11	6010	
Copper, Sediment	<	5.00	MG/KG	07/29/11	6010	
Lead, Sediment	<	10.0	MG/KG	07/29/11	6010	
Nickel, Sediment	<	10.0	MG/KG	07/29/11	6010	
Silver, Sediment	<	5.00	MG/KG	07/29/11	6010	
Strontium, Sediment		34.3	MG/KG	07/29/11	6010	
Zinc, Sediment	<	10.0	MG/KG	07/29/11	6010	
Antimony, Sediment	<	10.0	MG/KG	07/29/11	6010	
Selenium, Sediment	<	10.0	MG/KG	07/29/11	6010	
Thallium, Sediment	<	10.0	MG/KG	07/29/11	6010	
Mercury, Sediment	<	0.25	MG/KG	07/22/11	7471	
% Solids		78.8	%	07/29/11	CLP 5.4	

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SEDIMENT SAMPLE DEQ # 7B

ANALYST'S COMMENTS:



* ANALYST

Sample Number: 506651
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected: 1602
 Date Received: 7/15/2011
 Date Completed: 07/19/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/19/2011

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

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 BUCK WRAY/ODWC

CC: MATT MAUCK
 2021 CADDOW HWY
 CADDOW, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.90		07/15/11	8260BM	
Benzene	<	19.0	UG/KG	07/15/11	8260BM	
Bromoform	<	19.0	UG/KG	07/15/11	8260BM	
Carbon tetrachloride	<	19.0	UG/KG	07/15/11	8260BM	
Chlorobenzene	<	19.0	UG/KG	07/15/11	8260BM	
Dibromochloromethane	<	19.0	UG/KG	07/15/11	8260BM	
Chloroethane	<	19.0	UG/KG	07/15/11	8260BM	
Chloroform	<	19.0	UG/KG	07/15/11	8260BM	
Bromodichloromethane	<	19.0	UG/KG	07/15/11	8260BM	
Ethylbenzene	<	19.0	UG/KG	07/15/11	8260BM	
Methyl chloride	<	19.0	UG/KG	07/15/11	8260BM	
Methylene chloride	<	19.0	UG/KG	07/15/11	8260BM	
Tetrachloroethene	<	19.0	UG/KG	07/15/11	8260BM	
Toluene	<	19.0	UG/KG	07/15/11	8260BM	
Trichloroethene	<	19.0	UG/KG	07/15/11	8260BM	
Vinyl chloride	<	19.0	UG/KG	07/15/11	8260BM	
1,1-Dichloroethane	<	19.0	UG/KG	07/15/11	8260BM	
1,1-Dichloroethene	<	19.0	UG/KG	07/15/11	8260BM	
1,1,1-Trichloroethane	<	19.0	UG/KG	07/15/11	8260BM	
1,1,2-Trichloroethane	<	19.0	UG/KG	07/15/11	8260BM	
1,1,2,2-Tetrachloroethane	<	19.0	UG/KG	07/15/11	8260BM	
1,2-Dichloroethane	<	19.0	UG/KG	07/15/11	8260BM	
1,2-Dichloropropane	<	19.0	UG/KG	07/15/11	8260BM	
trans-1,2-Dichloroethene	<	19.0	UG/KG	07/15/11	8260BM	
trans-1,3-Dichloropropene	<	19.0	UG/KG	07/15/11	8260BM	
cis-1,3-Dichloropropene	<	19.0	UG/KG	07/15/11	8260BM	
Total Xylenes	<	19.0	UG/KG	07/15/11	8260BM	
Acetone	<	19.0	UG/KG	07/15/11	8260BM	
Methylethyl ketone	<	19.0	UG/KG	07/15/11	8260BM	
2-Hexanone	<	19.0	UG/KG	07/15/11	8260BM	
Methylisobutyl ketone	<	19.0	UG/KG	07/15/11	8260BM	
Styrene	<	19.0	UG/KG	07/15/11	8260BM	
Carbon disulfide	<	19.0	UG/KG	07/15/11	8260BM	

Sample Number: 506651
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected: 1602
 Date Received: 7/15/2011
 Date Completed: 07/19/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/19/2011

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 General Inquiries: 1-800-869-1400
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 EPA Drinking Water Certification #OK00013

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

CC: MATT MAUCK
 2021 CADDO HWY
 CADDO, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
% Moisture - GC/MS Lab		20.0	%	07/19/11	1005 M	
Dichlorodifluoromethane	<	19.0	UG/KG	07/15/11	8260BM	
Trichlorofluoromethane	<	19.0	UG/KG	07/15/11	8260BM	
1,1,2-Trichloro-1,2,2-trifl	<	19.0	UG/KG	07/15/11	8260BM	
Methyl Acetate	<	19.0	UG/KG	07/15/11	8260BM	
Methyl tert-butyl ether (M	<	19.0	UG/KG	07/15/11	8260BM	
cis-1,2-Dichloroethene	<	19.0	UG/KG	07/15/11	8260BM	
Cyclohexane	<	19.0	UG/KG	07/15/11	8260BM	
Methylcyclohexane	<	19.0	UG/KG	07/15/11	8260BM	
1,2-Dibromoethane	<	19.0	UG/KG	07/15/11	8260BM	
Isopropylbenzene	<	19.0	UG/KG	07/15/11	8260BM	
1,2-Dichlorobenzene	<	19.0	UG/KG	07/15/11	8260BM	
1,3-Dichlorobenzene	<	19.0	UG/KG	07/15/11	8260BM	
1,4-Dichlorobenzene	<	19.0	UG/KG	07/15/11	8260BM	
1,2-Dibromo-3-chloropropane	<	19.0	UG/KG	07/15/11	8260BM	
1,2,4-Trichlorobenzene	<	19.0	UG/KG	07/15/11	8260BM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
TOLUENE-D8		101
1,2-DICHLOROETHANE-D4		93
4-BROMOFLUOROBENZENE		94

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NONE FOUND		0	

Summary

Labs performing analysis on this Sample:
 Metals GCMS Gen. Chem.

Sample Number: 506651
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1602
Date Received: 7/15/2011
Date Completed: 07/19/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 7/19/2011

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 GCMS
EPA Drinking Water Certification #OK00013

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

CC: MATT MAUCK
2021 CADDO HWY
CADDO, OK 74729

SOURCE: RED RIVER

SAMPLERS COMMENTS:
BOAT RAMP

ANALYST'S COMMENTS:

*

* ANALYST

Agnes Che

Sample Number: 506651
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1602
Date Received: 7/15/2011
Date Completed: 07/25/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 7/25/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: MATT MAUCK
2021 CADDO HWY
CADDO, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
pH, Soil and Wastes	NMC	8.46	STD UNIT	07/15/11	9045D	
Alkalinity, Total (Sed.)	NMC	640	MG/KG	07/19/11	DEQ	
Nitrogen, Ammonia (Sed.)	<	2.00	MG/KG	07/15/11	DEQ	
Nitrogen, Kjeldahl (Sed.)		245	MG/KG	07/22/11	351.2	
Nitrate-Nitrite (Sed.)	<	1.00	MG/KG	07/20/11	353.2M	
Phosphorous, Total (Sed.)		168	MG/KG	07/19/11	365.3	
Chloride (Sed.)		8330	MG/KG	07/21/11	325.2M	
Sulfate (Sed.)		11200	MG/KG	07/21/11	375.4M	

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

BOAT RAMP

ANALYST'S COMMENTS:

(NMC) Analytical value is not moisture corrected

Susan Mensik

* ANALYST

State Environmental Laboratory

Sample Number: 506651
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1602
Date Received: 7/15/2011
Date Completed: 08/09/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/18/2011

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: MATT MAUCK
2021 CADDOW HWY
CADDOW, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Sediment	<	10.0	MG/KG	07/29/11	6010	
Barium, Sediment		56.5	MG/KG	07/29/11	6010	
Beryllium, Sediment	<	2.00	MG/KG	07/29/11	6010	
Cadmium, Sediment	<	5.00	MG/KG	07/29/11	6010	
Chromium, Sediment	<	5.00	MG/KG	07/29/11	6010	
Copper, Sediment	<	5.00	MG/KG	07/29/11	6010	
Lead, Sediment	<	10.0	MG/KG	07/29/11	6010	
Nickel, Sediment	<	10.0	MG/KG	07/29/11	6010	
Silver, Sediment	<	5.00	MG/KG	07/29/11	6010	
Strontium, Sediment		30.8	MG/KG	07/29/11	6010	
Zinc, Sediment	<	5.00	MG/KG	07/29/11	6010	
Antimony, Sediment	<	10.0	MG/KG	07/29/11	6010	
Selenium, Sediment	<	10.0	MG/KG	07/29/11	6010	
Thallium, Sediment	<	10.0	MG/KG	07/29/11	6010	
Mercury, Sediment	<	0.25	MG/KG	07/22/11	7471	
% Solids		78.2	%	07/29/11	CLP 5.4	

Summary

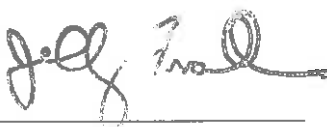
Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:
BOAT RAMP

ANALYST'S COMMENTS:

* ANALYST 

Sample Number: 506652
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected:
 Date Received: 7/15/2011
 Date Completed: 07/19/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/19/2011

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 GCMS
 EPA Drinking Water Certification #OK00013

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

CC: MATT MAUCK
 2021 CADDOW HWY
 CADDOW, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.00		07/15/11	8260BM	
Benzene	<	10.0	UG/KG	07/15/11	8260BM	
Bromoform	<	10.0	UG/KG	07/15/11	8260BM	
Carbon tetrachloride	<	10.0	UG/KG	07/15/11	8260BM	
Chlorobenzene	<	10.0	UG/KG	07/15/11	8260BM	
Dibromochloromethane	<	10.0	UG/KG	07/15/11	8260BM	
Chloroethane	<	10.0	UG/KG	07/15/11	8260BM	
Chloroform	<	10.0	UG/KG	07/15/11	8260BM	
Bromodichloromethane	<	10.0	UG/KG	07/15/11	8260BM	
Ethylbenzene	<	10.0	UG/KG	07/15/11	8260BM	
Methyl chloride	<	10.0	UG/KG	07/15/11	8260BM	
Methylene chloride	<	10.0	UG/KG	07/15/11	8260BM	
Tetrachloroethene	<	10.0	UG/KG	07/15/11	8260BM	
Toluene	<	10.0	UG/KG	07/15/11	8260BM	
Trichloroethene	<	10.0	UG/KG	07/15/11	8260BM	
Vinyl chloride	<	10.0	UG/KG	07/15/11	8260BM	
1,1-Dichloroethane	<	10.0	UG/KG	07/15/11	8260BM	
1,1-Dichloroethene	<	10.0	UG/KG	07/15/11	8260BM	
1,1,1-Trichloroethane	<	10.0	UG/KG	07/15/11	8260BM	
1,1,2-Trichloroethane	<	10.0	UG/KG	07/15/11	8260BM	
1,1,2,2-Tetrachloroethane	<	10.0	UG/KG	07/15/11	8260BM	
1,2-Dichloroethane	<	10.0	UG/KG	07/15/11	8260BM	
1,2-Dichloropropane	<	10.0	UG/KG	07/15/11	8260BM	
trans-1,2-Dichloroethene	<	10.0	UG/KG	07/15/11	8260BM	
trans-1,3-Dichloropropene	<	10.0	UG/KG	07/15/11	8260BM	
cis-1,3-Dichloropropene	<	10.0	UG/KG	07/15/11	8260BM	
Total Xylenes	<	10.0	UG/KG	07/15/11	8260BM	
Acetone	<	10.0	UG/KG	07/15/11	8260BM	
Methylethyl ketone	<	10.0	UG/KG	07/15/11	8260BM	
2-Hexanone	<	10.0	UG/KG	07/15/11	8260BM	
Methylisobutyl ketone	<	10.0	UG/KG	07/15/11	8260BM	
Styrene	<	10.0	UG/KG	07/15/11	8260BM	
Carbon disulfide	<	10.0	UG/KG	07/15/11	8260BM	

Sample Number: 506652
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected:
 Date Received: 7/15/2011
 Date Completed: 07/19/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/19/2011

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 GCMS
 EPA Drinking Water Certification #OK00013

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

CC: MATT MAUCK
 2021 CADDO HWY
 CADDO, OK 74729

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
% Moisture - GC/MS Lab			%		1005 M	
Dichlorodifluoromethane	<	10.0	UG/KG	07/15/11	8260BM	
Trichlorofluoromethane	<	10.0	UG/KG	07/15/11	8260BM	
1,1,2-Trichloro-1,2,2-trifl	<	10.0	UG/KG	07/15/11	8260BM	
Methyl Acetate	<	10.0	UG/KG	07/15/11	8260BM	
Methyl tert-butyl ether (M	<	10.0	UG/KG	07/15/11	8260BM	
cis-1,2-Dichloroethene	<	10.0	UG/KG	07/15/11	8260BM	
Cyclohexane	<	10.0	UG/KG	07/15/11	8260BM	
Methylcyclohexane	<	10.0	UG/KG	07/15/11	8260BM	
1,2-Dibromoethane	<	10.0	UG/KG	07/15/11	8260BM	
Isopropylbenzene	<	10.0	UG/KG	07/15/11	8260BM	
1,2-Dichlorobenzene	<	10.0	UG/KG	07/15/11	8260BM	
1,3-Dichlorobenzene	<	10.0	UG/KG	07/15/11	8260BM	
1,4-Dichlorobenzene	<	10.0	UG/KG	07/15/11	8260BM	
1,2-Dibromo-3-chloropropane	<	10.0	UG/KG	07/15/11	8260BM	
1,2,4-Trichlorobenzene	<	10.0	UG/KG	07/15/11	8260BM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
4-BROMOFLUOROBENZENE		92
TOLUENE-D8		102
1,2-DICHLOROETHANE-D4		92

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NONE FOUND		0	

Summary

Labs performing analysis on this Sample:
 GCMS

Sample Number: 506652
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected:
Date Received: 7/15/2011
Date Completed: 07/19/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 7/19/2011

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 GCMS
EPA Drinking Water Certification #OK00013

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

CC: MATT MAUCK
2021 CADDO HWY
CADDO, OK 74729

SOURCE: RED RIVER

SAMPLERS COMMENTS:
LAB BLANK

ANALYST'S COMMENTS:

*

* ANALYST

Agnes Chen

Sample Number: 507170
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected: 1430
 Date Received: 7/15/2011
 Date Completed: 08/03/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/3/2011

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: MATT MAUCK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		34.7				
Acenaphthylene	<	350	UG/KG	07/21/11	8270DM	
Acenaphthene	<	350	UG/KG	07/21/11	8270DM	
Anthracene	<	350	UG/KG	07/21/11	8270DM	
Benzo(b)fluoranthene	<	350	UG/KG	07/21/11	8270DM	
Benzo(k)fluoranthene	<	350	UG/KG	07/21/11	8270DM	
Benzo(a)pyrene	<	350	UG/KG	07/21/11	8270DM	
Bis(2-chloroethyl)ether	<	350	UG/KG	07/21/11	8270DM	
Bis(2-chloroethoxy)methane	<	350	UG/KG	07/21/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	350	UG/KG	07/21/11	8270DM	
Butylbenzylphthalate	<	350	UG/KG	07/21/11	8270DM	
Chrysene	<	350	UG/KG	07/21/11	8270DM	
Diethylphthalate	<	350	UG/KG	07/21/11	8270DM	
Dimethylphthalate	<	350	UG/KG	07/21/11	8270DM	
Fluoranthene	<	350	UG/KG	07/21/11	8270DM	
Fluorene	<	350	UG/KG	07/21/11	8270DM	
Hexachlorocyclopentadiene	<	350	UG/KG	07/21/11	8270DM	
Hexachloroethane	<	350	UG/KG	07/21/11	8270DM	
Indeno(123cd)pyrene	<	350	UG/KG	07/21/11	8270DM	
Isophorone	<	350	UG/KG	07/21/11	8270DM	
Nitrosodipropylamine	<	350	UG/KG	07/21/11	8270DM	
Nitrosodiphenylamine	<	350	UG/KG	07/21/11	8270DM	
Naphthalene	<	350	UG/KG	07/21/11	8270DM	
Nitrobenzene	<	350	UG/KG	07/21/11	8270DM	
p-Chloro-m-cresol	<	350	UG/KG	07/21/11	8270DM	
Phenanthrene	<	350	UG/KG	07/21/11	8270DM	
Pyrene	<	350	UG/KG	07/21/11	8270DM	
Benzo(ghi)perylene	<	350	UG/KG	07/21/11	8270DM	
Benzo(a)anthracene	<	350	UG/KG	07/21/11	8270DM	
Dibenzo(ah)anthracene	<	350	UG/KG	07/21/11	8270DM	
2-Chloronaphthalene	<	350	UG/KG	07/21/11	8270DM	
2-Chlorophenol	<	350	UG/KG	07/21/11	8270DM	
2-Nitrophenol	<	350	UG/KG	07/21/11	8270DM	

Sample Number: 507170
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected: 1430
 Date Received: 7/15/2011
 Date Completed: 08/03/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/3/2011

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: MATT MAUCK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate	MJ	300	UG/KG	07/21/11	8270DM	
2,4-Dichlorophenol	<	350	UG/KG	07/21/11	8270DM	
2,4-Dimethylphenol	<	350	UG/KG	07/21/11	8270DM	
2,4-Dinitrotoluene	<	350	UG/KG	07/21/11	8270DM	
2,4-Dinitrophenol	<	1700	UG/KG	07/21/11	8270DM	
2,4,6-Trichlorophenol	<	1700	UG/KG	07/21/11	8270DM	
2,6-Dinitrotoluene	<	350	UG/KG	07/21/11	8270DM	
3,3'-Dichlorobenzidine	<	690	UG/KG	07/21/11	8270DM	
4-Bromophenylphenyl ether	<	350	UG/KG	07/21/11	8270DM	
4-Chlorophenyl phenylether	<	350	UG/KG	07/21/11	8270DM	
4-Nitrophenol	<	1700	UG/KG	07/21/11	8270DM	
4,6-Dinitro-o-cresol	<	1700	UG/KG	07/21/11	8270DM	
Phenol	<	350	UG/KG	07/21/11	8270DM	
Pentachlorophenol	<	1700	UG/KG	07/21/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	350	UG/KG	07/21/11	8270DM	
Di-n-butylphthalate	<	350	UG/KG	07/21/11	8270DM	
Hexachlorobenzene	<	350	UG/KG	07/21/11	8270DM	
Hexachlorobutadiene	<	350	UG/KG	07/21/11	8270DM	
Benzyl alcohol	<	350	UG/KG	07/21/11	8270DM	
Dibenzofuran	<	350	UG/KG	07/21/11	8270DM	
2-Methylphenol	<	350	UG/KG	07/21/11	8270DM	
4-Methylphenol	<	350	UG/KG	07/21/11	8270DM	
2,4,5-Trichlorophenol	<	1700	UG/KG	07/21/11	8270DM	
4-Chloroaniline	<	350	UG/KG	07/21/11	8270DM	
2-Nitroaniline	<	1700	UG/KG	07/21/11	8270DM	
3-Nitroaniline	<	1700	UG/KG	07/21/11	8270DM	
4-Nitroaniline	<	1700	UG/KG	07/21/11	8270DM	
2-Methylnaphthalene	<	350	UG/KG	07/21/11	8270DM	
% Moisture - GC/MS Lab		14.	%	07/21/11	1005 M	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		85
2-FLUOROBIPHENYL		61

Sample Number: 507170
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1430
Date Received: 7/15/2011
Date Completed: 08/03/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/3/2011

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: MATT MAUCK

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		52
PHENOL-D5		60
P-TERPHENYL-D14		94
NITROBENZENE-D5		56

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
(MJ) Cyclic octaatomic sulfur		270	µg/kg

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER FISH KILL

SAMPLERS COMMENTS:

SEDIMENT SAMPLE DEQ SITE #5B

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

(MJ) The associated value is an estimated quantity at or below the Adjusted Lower Limit of Quantitation and reported at the request of the customer.

The analysis indicates the presence of one or more compounds that have been 'tentatively identified,' and the associated numerical values represent their approximate concentration.

*

* ANALYST

Cassandra Kontas

Sample Number: 507171
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected: 1506
 Date Received: 7/15/2011
 Date Completed: 08/03/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/3/2011

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: MATT MAUCK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		40.0				
Acenaphthylene	<	400	UG/KG	07/21/11	8270DM	
Acenaphthene	<	400	UG/KG	07/21/11	8270DM	
Anthracene	<	400	UG/KG	07/21/11	8270DM	
Benzo(b)fluoranthene	<	400	UG/KG	07/21/11	8270DM	
Benzo(k)fluoranthene	<	400	UG/KG	07/21/11	8270DM	
Benzo(a)pyrene	<	400	UG/KG	07/21/11	8270DM	
Bis(2-chloroethyl)ether	<	400	UG/KG	07/21/11	8270DM	
Bis(2-chloroethoxy)methane	<	400	UG/KG	07/21/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	400	UG/KG	07/21/11	8270DM	
Butylbenzylphthalate	<	400	UG/KG	07/21/11	8270DM	
Chrysene	<	400	UG/KG	07/21/11	8270DM	
Diethylphthalate	<	400	UG/KG	07/21/11	8270DM	
Dimethylphthalate	<	400	UG/KG	07/21/11	8270DM	
Fluoranthene	<	400	UG/KG	07/21/11	8270DM	
Fluorene	<	400	UG/KG	07/21/11	8270DM	
Hexachlorocyclopentadiene	<	400	UG/KG	07/21/11	8270DM	
Hexachloroethane	<	400	UG/KG	07/21/11	8270DM	
Indeno(123cd)pyrene	<	400	UG/KG	07/21/11	8270DM	
Isophorone	<	400	UG/KG	07/21/11	8270DM	
Nitrosodipropylamine	<	400	UG/KG	07/21/11	8270DM	
Nitrosodiphenylamine	<	400	UG/KG	07/21/11	8270DM	
Naphthalene	<	400	UG/KG	07/21/11	8270DM	
Nitrobenzene	<	400	UG/KG	07/21/11	8270DM	
p-Chloro-m-cresol	<	400	UG/KG	07/21/11	8270DM	
Phenanthrene	<	400	UG/KG	07/21/11	8270DM	
Pyrene	<	400	UG/KG	07/21/11	8270DM	
Benzo(ghi)perylene	<	400	UG/KG	07/21/11	8270DM	
Benzo(a)anthracene	<	400	UG/KG	07/21/11	8270DM	
Dibenzo(ah)anthracene	<	400	UG/KG	07/21/11	8270DM	
2-Chloronaphthalene	<	400	UG/KG	07/21/11	8270DM	
2-Chlorophenol	<	400	UG/KG	07/21/11	8270DM	
2-Nitrophenol	<	400	UG/KG	07/21/11	8270DM	

Sample Number: 507171
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected: 1506
 Date Received: 7/15/2011
 Date Completed: 08/03/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/3/2011

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: MATT MAUCK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate	MJ	340	UG/KG	07/21/11	8270DM	
2,4-Dichlorophenol	<	400	UG/KG	07/21/11	8270DM	
2,4-Dimethylphenol	<	400	UG/KG	07/21/11	8270DM	
2,4-Dinitrotoluene	<	400	UG/KG	07/21/11	8270DM	
2,4-Dinitrophenol	<	2000	UG/KG	07/21/11	8270DM	
2,4,6-Trichlorophenol	<	2000	UG/KG	07/21/11	8270DM	
2,6-Dinitrotoluene	<	400	UG/KG	07/21/11	8270DM	
3,3'-Dichlorobenzidine	<	800	UG/KG	07/21/11	8270DM	
4-Bromophenylphenyl ether	<	400	UG/KG	07/21/11	8270DM	
4-Chlorophenyl phenylether	<	400	UG/KG	07/21/11	8270DM	
4-Nitrophenol	<	2000	UG/KG	07/21/11	8270DM	
4,6-Dinitro-o-cresol	<	2000	UG/KG	07/21/11	8270DM	
Phenol	<	400	UG/KG	07/21/11	8270DM	
Pentachlorophenol	<	2000	UG/KG	07/21/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	400	UG/KG	07/21/11	8270DM	
Di-n-butylphthalate	<	400	UG/KG	07/21/11	8270DM	
Hexachlorobenzene	<	400	UG/KG	07/21/11	8270DM	
Hexachlorobutadiene	<	400	UG/KG	07/21/11	8270DM	
Benzyl alcohol	<	400	UG/KG	07/21/11	8270DM	
Dibenzofuran	<	400	UG/KG	07/21/11	8270DM	
2-Methylphenol	<	400	UG/KG	07/21/11	8270DM	
4-Methylphenol	<	400	UG/KG	07/21/11	8270DM	
2,4,5-Trichlorophenol	<	2000	UG/KG	07/21/11	8270DM	
4-Chloroaniline	<	400	UG/KG	07/21/11	8270DM	
2-Nitroaniline	<	2000	UG/KG	07/21/11	8270DM	
3-Nitroaniline	<	2000	UG/KG	07/21/11	8270DM	
4-Nitroaniline	<	2000	UG/KG	07/21/11	8270DM	
2-Methylnaphthalene	<	400	UG/KG	07/21/11	8270DM	
% Moisture - GC/MS Lab		20.	%	07/21/11	1005 M	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		59
PHENOL-D5		66

Sample Number: 507171
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1506
Date Received: 7/15/2011
Date Completed: 08/03/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/3/2011

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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: MATT MAUCK

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2, 4, 6-TRIBROMOPHENOL		87
2-FLUOROPHENOL		57
2-FLUOROBIPHENYL		61
P-TERPHENYL-D14		92

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 FISH KILL

SAMPLERS COMMENTS:

SEDIMENT SAMPLE DEQ SITE #6B

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

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

(MJ) The associated value is an estimated quantity at or below the Adjusted Lower Limit of Quantitation and reported at the request of the customer.

*

* ANALYST

Cassandra Kontas

Sample Number: 507172
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected: 1545
 Date Received: 7/15/2011
 Date Completed: 08/03/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/3/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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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: MATT MAUCK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		37.3				
Acenaphthylene	<	370	UG/KG	07/21/11	8270DM	
Acenaphthene	<	370	UG/KG	07/21/11	8270DM	
Anthracene	<	370	UG/KG	07/21/11	8270DM	
Benzo(b)fluoranthene	<	370	UG/KG	07/21/11	8270DM	
Benzo(k)fluoranthene	<	370	UG/KG	07/21/11	8270DM	
Benzo(a)pyrene	<	370	UG/KG	07/21/11	8270DM	
Bis(2-chloroethyl)ether	<	370	UG/KG	07/21/11	8270DM	
Bis(2-chloroethoxy)methane	<	370	UG/KG	07/21/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	370	UG/KG	07/21/11	8270DM	
Butylbenzylphthalate	<	370	UG/KG	07/21/11	8270DM	
Chrysene	<	370	UG/KG	07/21/11	8270DM	
Diethylphthalate	<	370	UG/KG	07/21/11	8270DM	
Dimethylphthalate	<	370	UG/KG	07/21/11	8270DM	
Fluoranthene	<	370	UG/KG	07/21/11	8270DM	
Fluorene	<	370	UG/KG	07/21/11	8270DM	
Hexachlorocyclopentadiene	<	370	UG/KG	07/21/11	8270DM	
Hexachloroethane	<	370	UG/KG	07/21/11	8270DM	
Indeno(123cd)pyrene	<	370	UG/KG	07/21/11	8270DM	
Isophorone	<	370	UG/KG	07/21/11	8270DM	
Nitrosodipropylamine	<	370	UG/KG	07/21/11	8270DM	
Nitrosodiphenylamine	<	370	UG/KG	07/21/11	8270DM	
Naphthalene	<	370	UG/KG	07/21/11	8270DM	
Nitrobenzene	<	370	UG/KG	07/21/11	8270DM	
p-Chloro-m-cresol	<	370	UG/KG	07/21/11	8270DM	
Phenanthrene	<	370	UG/KG	07/21/11	8270DM	
Pyrene	<	370	UG/KG	07/21/11	8270DM	
Benzo(ghi)perylene	<	370	UG/KG	07/21/11	8270DM	
Benzo(a)anthracene	<	370	UG/KG	07/21/11	8270DM	
Dibenzo(ah)anthracene	<	370	UG/KG	07/21/11	8270DM	
2-Chloronaphthalene	<	370	UG/KG	07/21/11	8270DM	
2-Chlorophenol	<	370	UG/KG	07/21/11	8270DM	
2-Nitrophenol	<	370	UG/KG	07/21/11	8270DM	

Sample Number: 507172
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected: 1545
 Date Received: 7/15/2011
 Date Completed: 08/03/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/3/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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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
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: MATT MAUCK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate	MJ	310	UG/KG	07/21/11	8270DM	
2,4-Dichlorophenol	<	370	UG/KG	07/21/11	8270DM	
2,4-Dimethylphenol	<	370	UG/KG	07/21/11	8270DM	
2,4-Dinitrotoluene	<	370	UG/KG	07/21/11	8270DM	
2,4-Dinitrophenol	<	1900	UG/KG	07/21/11	8270DM	
2,4,6-Trichlorophenol	<	1900	UG/KG	07/21/11	8270DM	
2,6-Dinitrotoluene	<	370	UG/KG	07/21/11	8270DM	
3,3'-Dichlorobenzidine	<	750	UG/KG	07/21/11	8270DM	
4-Bromophenylphenyl ether	<	370	UG/KG	07/21/11	8270DM	
4-Chlorophenyl phenylether	<	370	UG/KG	07/21/11	8270DM	
4-Nitrophenol	<	1900	UG/KG	07/21/11	8270DM	
4,6-Dinitro-o-cresol	<	1900	UG/KG	07/21/11	8270DM	
Phenol	<	370	UG/KG	07/21/11	8270DM	
Pentachlorophenol	<	1900	UG/KG	07/21/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	370	UG/KG	07/21/11	8270DM	
Di-n-butylphthalate	<	370	UG/KG	07/21/11	8270DM	
Hexachlorobenzene	<	370	UG/KG	07/21/11	8270DM	
Hexachlorobutadiene	<	370	UG/KG	07/21/11	8270DM	
Benzyl alcohol	<	370	UG/KG	07/21/11	8270DM	
Dibenzofuran	<	370	UG/KG	07/21/11	8270DM	
2-Methylphenol	<	370	UG/KG	07/21/11	8270DM	
4-Methylphenol	<	370	UG/KG	07/21/11	8270DM	
2,4,5-Trichlorophenol	<	1900	UG/KG	07/21/11	8270DM	
4-Chloroaniline	<	370	UG/KG	07/21/11	8270DM	
2-Nitroaniline	<	1900	UG/KG	07/21/11	8270DM	
3-Nitroaniline	<	1900	UG/KG	07/21/11	8270DM	
4-Nitroaniline	<	1900	UG/KG	07/21/11	8270DM	
2-Methylnaphthalene	<	370	UG/KG	07/21/11	8270DM	
% Moisture - GC/MS Lab		14	%	07/21/11	1005 M	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		68
2,4,6-TRIBROMOPHENOL		91

Sample Number: 507172
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1545
Date Received: 7/15/2011
Date Completed: 08/03/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/3/2011

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: MATT MAUCK

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		73
P-TERPHENYL-D14		99
2-FLUOROBIPHENYL		75
PHENOL-D5		77

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
(MJ) beta-Sitosterol		150	µg/kg
(MJ) Stigmasterol		160	µg/kg
Cyclic octaatomic sulfur		740	µg/kg

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER FISH KILL

SAMPLERS COMMENTS:

SEDIMENT SAMPLE DEQ SITE #7B

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

(MJ) The associated value is an estimated quantity at or below the Adjusted Lower Limit of Quantitation and reported at the request of the customer.
The analysis indicates the presence of one or more compounds that have been 'tentatively identified,' and the associated numerical values represent their approximate concentration.

*

* ANALYST

Cassandra Kontas

Sample Number: 507173
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected: 1602
 Date Received: 7/15/2011
 Date Completed: 08/03/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/3/2011

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: MATT MAUCK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		42.2				
Acenaphthylene	<	420	UG/KG	07/21/11	8270DM	
Acenaphthene	<	420	UG/KG	07/21/11	8270DM	
Anthracene	<	420	UG/KG	07/21/11	8270DM	
Benzo(b)fluoranthene	<	420	UG/KG	07/21/11	8270DM	
Benzo(k)fluoranthene	<	420	UG/KG	07/21/11	8270DM	
Benzo(a)pyrene	<	420	UG/KG	07/21/11	8270DM	
Bis(2-chloroethyl)ether	<	420	UG/KG	07/21/11	8270DM	
Bis(2-chloroethoxy)methane	<	420	UG/KG	07/21/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	420	UG/KG	07/21/11	8270DM	
Butylbenzylphthalate	<	420	UG/KG	07/21/11	8270DM	
Chrysene	<	420	UG/KG	07/21/11	8270DM	
Diethylphthalate	<	420	UG/KG	07/21/11	8270DM	
Dimethylphthalate	<	420	UG/KG	07/21/11	8270DM	
Fluoranthene	<	420	UG/KG	07/21/11	8270DM	
Fluorene	<	420	UG/KG	07/21/11	8270DM	
Hexachlorocyclopentadiene	<	420	UG/KG	07/21/11	8270DM	
Hexachloroethane	<	420	UG/KG	07/21/11	8270DM	
Indeno(123cd)pyrene	<	420	UG/KG	07/21/11	8270DM	
Isophorone	<	420	UG/KG	07/21/11	8270DM	
Nitrosodipropylamine	<	420	UG/KG	07/21/11	8270DM	
Nitrosodiphenylamine	<	420	UG/KG	07/21/11	8270DM	
Naphthalene	<	420	UG/KG	07/21/11	8270DM	
Nitrobenzene	<	420	UG/KG	07/21/11	8270DM	
p-Chloro-m-cresol	<	420	UG/KG	07/21/11	8270DM	
Phenanthrene	<	420	UG/KG	07/21/11	8270DM	
Pyrene	<	420	UG/KG	07/21/11	8270DM	
Benzo(ghi)perylene	<	420	UG/KG	07/21/11	8270DM	
Benzo(a)anthracene	<	420	UG/KG	07/21/11	8270DM	
Dibenzo(ah)anthracene	<	420	UG/KG	07/21/11	8270DM	
2-Chloronaphthalene	<	420	UG/KG	07/21/11	8270DM	
2-Chlorophenol	<	420	UG/KG	07/21/11	8270DM	
2-Nitrophenol	<	420	UG/KG	07/21/11	8270DM	

Sample Number: 507173
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected: 1602
 Date Received: 7/15/2011
 Date Completed: 08/03/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/3/2011

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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: MATT MAUCK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate	MJ	350	UG/KG	07/21/11	8270DM	
2,4-Dichlorophenol	<	420	UG/KG	07/21/11	8270DM	
2,4-Dimethylphenol	<	420	UG/KG	07/21/11	8270DM	
2,4-Dinitrotoluene	<	420	UG/KG	07/21/11	8270DM	
2,4-Dinitrophenol	<	2100	UG/KG	07/21/11	8270DM	
2,4,6-Trichlorophenol	<	2100	UG/KG	07/21/11	8270DM	
2,6-Dinitrotoluene	<	420	UG/KG	07/21/11	8270DM	
3,3'-Dichlorobenzidine	<	840	UG/KG	07/21/11	8270DM	
4-Bromophenylphenyl ether	<	420	UG/KG	07/21/11	8270DM	
4-Chlorophenyl phenylether	<	420	UG/KG	07/21/11	8270DM	
4-Nitrophenol	<	2100	UG/KG	07/21/11	8270DM	
4,6-Dinitro-o-cresol	<	2100	UG/KG	07/21/11	8270DM	
Phenol	<	420	UG/KG	07/21/11	8270DM	
Pentachlorophenol	<	2100	UG/KG	07/21/11	8270DM	
Bis(2-ethylhexyl)phthalate	MJ	240	UG/KG	07/21/11	8270DM	
Di-n-butylphthalate	<	420	UG/KG	07/21/11	8270DM	
Hexachlorobenzene	<	420	UG/KG	07/21/11	8270DM	
Hexachlorobutadiene	<	420	UG/KG	07/21/11	8270DM	
Benzyl alcohol	<	420	UG/KG	07/21/11	8270DM	
Dibenzofuran	<	420	UG/KG	07/21/11	8270DM	
2-Methylphenol	<	420	UG/KG	07/21/11	8270DM	
4-Methylphenol	<	420	UG/KG	07/21/11	8270DM	
2,4,5-Trichlorophenol	<	2100	UG/KG	07/21/11	8270DM	
4-Chloroaniline	<	420	UG/KG	07/21/11	8270DM	
2-Nitroaniline	<	2100	UG/KG	07/21/11	8270DM	
3-Nitroaniline	<	2100	UG/KG	07/21/11	8270DM	
4-Nitroaniline	<	2100	UG/KG	07/21/11	8270DM	
2-Methylnaphthalene	<	420	UG/KG	07/21/11	8270DM	
Moisture - GC/MS Lab		24.	%	07/21/11	1005 M	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		76
P-TERPHENYL-D14		94

Sample Number: 507173
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected: 1602
Date Received: 7/15/2011
Date Completed: 08/03/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/3/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
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OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
EPA Drinking Water Certification #OK30013

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

CC: MATT MAUCK

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		74
NITROBENZENE-D5		77
2,4,6-TRIBROMOPHENOL		88
PHENOL-D5		82

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 FISH KILL

SAMPLERS COMMENTS:
SEDIMENT SAMPLE DEQ SITE BOAT RAMP

ANALYST'S COMMENTS:
Analyst: Cassandra Kontas
(NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis.
(MJ) The associated value is an estimated quantity at or below the Adjusted Lower Limit of Quantitation and reported at the request of the customer.

* ANALYST Cassandra Kontas

Sample Number: 507174
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected:
 Date Received: 7/29/2011
 Date Completed: 08/03/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/3/2011

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STATE ENVIRONMENTAL LABORATORY
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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
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: MATT MAUCK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		33.3				
Acenaphthylene	<	330	UG/KG	07/21/11	8270DM	
Acenaphthene	<	330	UG/KG	07/21/11	8270DM	
Anthracene	<	330	UG/KG	07/21/11	8270DM	
Benzo(b)fluoranthene	<	330	UG/KG	07/21/11	8270DM	
Benzo(k)fluoranthene	<	330	UG/KG	07/21/11	8270DM	
Benzo(a)pyrene	<	330	UG/KG	07/21/11	8270DM	
Bis(2-chloroethyl)ether	<	330	UG/KG	07/21/11	8270DM	
Bis(2-chloroethoxy)methane	<	330	UG/KG	07/21/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	330	UG/KG	07/21/11	8270DM	
Butylbenzylphthalate	<	330	UG/KG	07/21/11	8270DM	
Chrysene	<	330	UG/KG	07/21/11	8270DM	
Diethylphthalate	<	330	UG/KG	07/21/11	8270DM	
Dimethylphthalate	<	330	UG/KG	07/21/11	8270DM	
Fluoranthene	<	330	UG/KG	07/21/11	8270DM	
Fluorene	<	330	UG/KG	07/21/11	8270DM	
Hexachlorocyclopentadiene	<	330	UG/KG	07/21/11	8270DM	
Hexachloroethane	<	330	UG/KG	07/21/11	8270DM	
Indeno(123cd)pyrene	<	330	UG/KG	07/21/11	8270DM	
Isophorone	<	330	UG/KG	07/21/11	8270DM	
Nitrosodipropylamine	<	330	UG/KG	07/21/11	8270DM	
Nitrosodiphenylamine	<	330	UG/KG	07/21/11	8270DM	
Naphthalene	<	330	UG/KG	07/21/11	8270DM	
Nitrobenzene	<	330	UG/KG	07/21/11	8270DM	
p-Chloro-m-cresol	<	330	UG/KG	07/21/11	8270DM	
Phenanthrene	<	330	UG/KG	07/21/11	8270DM	
Pyrene	<	330	UG/KG	07/21/11	8270DM	
Benzo(ghi)perylene	<	330	UG/KG	07/21/11	8270DM	
Benzo(a)anthracene	<	330	UG/KG	07/21/11	8270DM	
Dibenzo(ah)anthracene	<	330	UG/KG	07/21/11	8270DM	
2-Chloronaphthalene	<	330	UG/KG	07/21/11	8270DM	
2-Chlorophenol	<	330	UG/KG	07/21/11	8270DM	
2-Nitrophenol	<	330	UG/KG	07/21/11	8270DM	

Sample Number: 507174
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 7/13/2011
 Time Collected:
 Date Received: 7/29/2011
 Date Completed: 08/03/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/3/2011

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: MATT MAUCK

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate	<	330	UG/KG	07/21/11	8270DM	
2,4-Dichlorophenol	<	330	UG/KG	07/21/11	8270DM	
2,4-Dimethylphenol	<	330	UG/KG	07/21/11	8270DM	
2,4-Dinitrotoluene	<	330	UG/KG	07/21/11	8270DM	
2,4-Dinitrophenol	<	1700	UG/KG	07/21/11	8270DM	
2,4,6-Trichlorophenol	<	1700	UG/KG	07/21/11	8270DM	
2,6-Dinitrotoluene	<	330	UG/KG	07/21/11	8270DM	
3,3'-Dichlorobenzidine	<	670	UG/KG	07/21/11	8270DM	
4-Bromophenylphenyl ether	<	330	UG/KG	07/21/11	8270DM	
4-Chlorophenyl phenylether	<	330	UG/KG	07/21/11	8270DM	
4-Nitrophenol	<	1700	UG/KG	07/21/11	8270DM	
4,6-Dinitro-o-cresol	<	1700	UG/KG	07/21/11	8270DM	
Phenol	<	330	UG/KG	07/21/11	8270DM	
Pentachlorophenol	<	1700	UG/KG	07/21/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	330	UG/KG	07/21/11	8270DM	
Di-n-butylphthalate	<	330	UG/KG	07/21/11	8270DM	
Hexachlorobenzene	<	330	UG/KG	07/21/11	8270DM	
Hexachlorobutadiene	<	330	UG/KG	07/21/11	8270DM	
Benzyl alcohol	<	330	UG/KG	07/21/11	8270DM	
Dibenzofuran	<	330	UG/KG	07/21/11	8270DM	
2-Methylphenol	<	330	UG/KG	07/21/11	8270DM	
4-Methylphenol	<	330	UG/KG	07/21/11	8270DM	
2,4,5-Trichlorophenol	<	1700	UG/KG	07/21/11	8270DM	
4-Chloroaniline	<	330	UG/KG	07/21/11	8270DM	
2-Nitroaniline	<	1700	UG/KG	07/21/11	8270DM	
3-Nitroaniline	<	1700	UG/KG	07/21/11	8270DM	
4-Nitroaniline	<	1700	UG/KG	07/21/11	8270DM	
2-Methylnaphthalene	<	330	UG/KG	07/21/11	8270DM	
% Moisture - GC/MS Lab		0.0	%	07/21/11	1005 M	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		92
2-FLUOROBIPHENYL		92

Sample Number: 507174
Project Code: CMP-FK
Agency Number:
Date Collected: 7/13/2011
Time Collected:
Date Received: 7/29/2011
Date Completed: 08/03/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/3/2011

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: MATT MAUCK

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
P-TERPHENYL-D14		104
NITROBENZENE-D5		91
2-FLUOROPHENOL		86
2,4,6-TRIBROMOPHENOL		98

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 FISH KILL

SAMPLERS COMMENTS:

LAB BLANK

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: 508314
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1500
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.06				
Acenaphthylene		< 11	UG/L	08/22/11	8270DM	
Acenaphthene		< 11	UG/L	08/22/11	8270DM	
Anthracene	UJ	< 11	UG/L	08/22/11	8270DM	
Benzo(b)fluoranthene		< 11	UG/L	08/22/11	8270DM	
Benzo(k)fluoranthene		< 11	UG/L	08/22/11	8270DM	
Benzo(a)pyrene		< 11	UG/L	08/22/11	8270DM	
Bis(2-chloroethyl)ether		< 11	UG/L	08/22/11	8270DM	
Bis(2-chloroethoxy)methane		< 11	UG/L	08/22/11	8270DM	
Bis(2-chloroisopropyl)ethe		< 11	UG/L	08/22/11	8270DM	
Butylbenzylphthalate		< 11	UG/L	08/22/11	8270DM	
Chrysene		< 11	UG/L	08/22/11	8270DM	
Diethylphthalate		< 11	UG/L	08/22/11	8270DM	
Dimethylphthalate		< 11	UG/L	08/22/11	8270DM	
Fluoranthene	UJ	< 11	UG/L	08/22/11	8270DM	
Fluorene		< 11	UG/L	08/22/11	8270DM	
Hexachlorocyclopentadiene		< 11	UG/L	08/22/11	8270DM	
Hexachloroethane in water		< 11	UG/L	08/22/11	8270DM	
Indeno(123cd)pyrene		< 11	UG/L	08/22/11	8270DM	
Isophorone		< 11	UG/L	08/22/11	8270DM	
Nitrosodipropylamine		< 11	UG/L	08/22/11	8270DM	
Nitrosodiphenylamine	UJ	< 11	UG/L	08/22/11	8270DM	
Nitrobenzene		< 11	UG/L	08/22/11	8270DM	
p-Chloro-m-cresol		< 11	UG/L	08/22/11	8270DM	
Phenanthrene	UJ	< 11	UG/L	08/22/11	8270DM	
Pyrene		< 11	UG/L	08/22/11	8270DM	
Benzo(ghi)perylene		< 11	UG/L	08/22/11	8270DM	
Benzo(a)anthracene		< 11	UG/L	08/22/11	8270DM	
Dibenzo(ah)anthracene		< 11	UG/L	08/22/11	8270DM	
2-Chloronaphthalene		< 11	UG/L	08/22/11	8270DM	
2-Chlorophenol		< 11	UG/L	08/22/11	8270DM	
2-Nitrophenol		< 11	UG/L	08/22/11	8270DM	
Di-n-octylphthalate		< 11	UG/L	08/22/11	8270DM	

Sample Number: 508314
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1500
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	11	UG/L	08/22/11	8270DM	
2,4-Dimethylphenol	<	11	UG/L	08/22/11	8270DM	
2,4-Dinitrotoluene	<	11	UG/L	08/22/11	8270DM	
2,4-Dinitrophenol	<	53	UG/L	08/22/11	8270DM	
2,4,6-Trichlorophenol	<	11	UG/L	08/22/11	8270DM	
2,6-Dinitrotoluene	<	11	UG/L	08/22/11	8270DM	
3,3'-Dichlorobenzidine	<	21	UG/L	08/22/11	8270DM	
4-Bromophenylphenyl ether	UJ <	11	UG/L	08/22/11	8270DM	
4-Chlorophenyl phenylether	<	11	UG/L	08/22/11	8270DM	
4-Nitrophenol	<	53	UG/L	08/22/11	8270DM	
4,6-Dinitro-o-cresol	UJ <	53	UG/L	08/22/11	8270DM	
Phenol	<	11	UG/L	08/22/11	8270DM	
Naphthalene	<	11	UG/L	08/22/11	8270DM	
Pentachlorophenol	UJ <	53	UG/L	08/22/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	11	UG/L	08/22/11	8270DM	
Di-n-butylphthalate	UJ <	11	UG/L	08/22/11	8270DM	
Hexachlorobenzene	UJ <	11	UG/L	08/22/11	8270DM	
Hexachlorobutadiene	<	11	UG/L	08/22/11	8270DM	
Dibenzofuran	<	11	UG/L	08/22/11	8270DM	
2-Methylnaphthalene	<	11	UG/L	08/22/11	8270DM	
2-Methylphenol	<	11	UG/L	08/22/11	8270DM	
4-Methylphenol	<	11	UG/L	08/22/11	8270DM	
2,4,5-Trichlorophenol	<	53	UG/L	08/22/11	8270DM	
4-Chloroaniline	<	11	UG/L	08/22/11	8270DM	
2-Nitroaniline	<	53	UG/L	08/22/11	8270DM	
3-Nitroaniline	<	53	UG/L	08/22/11	8270DM	
4-Nitroaniline	<	53	UG/L	08/22/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		50
PHENOL-D5		21
NITROBENZENE-D5		52
2-FLUOROPHENOL		31

Sample Number: 508314
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1500
Date Received: 8/19/2011
Date Completed: 08/26/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		50
P-TERPHENYL-D14		70

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
(MJ) Heptadecane		5	µg/L

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE # 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.

(MJ) The associated value is an estimated quantity at or below the reporting limit for this analysis and reported at the request of the customer.

Surrogate recovery for 2,4,6-Tribromophenol was lower than in-house control limits; therefore associated target compounds were qualified as with a "UJ" flag.

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

* ANALYST

Cassandra Kontas

Sample Number: 508314
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1500
Date Received: 8/19/2011
Date Completed: 08/30/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/30/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Specific Conductance		7530	uMHO/CM	08/19/11	2510B	
pH, Liquid		8.85	STD UNIT	08/19/11	150.1	
Alkalinity, Total		33.8	MG/L	08/22/11	310.2	
Nitrogen, Ammonia	<	0.10	MG/L	08/29/11	350.1	
Nitrogen, Kjeldahl		1.43	MG/L	08/23/11	351.2	
Nitrite-Nitrate as N	<	0.05	MG/L	08/19/11	353.2	
Phosphorus, Total		0.146	MG/L	08/23/11	365.3	
Chloride		2070	MG/L	08/29/11	325.2	
Sulfate		1210	MG/L	08/29/11	375.4	
Residual Chlorine, Total	MI	0.13	MG/L	08/19/11	4500ClG	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE # 8

ANALYST'S COMMENTS:

(MI) Matrix interference

Susan Mensik

* ANALYST

Susan Mensik

State Environmental Laboratory

Sample Number: 508314
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1500
Date Received: 8/19/2011
Date Completed: 09/02/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/2/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA	<	4.579	pCi/L	09/01/11	7110B	
GROSS BETA COUNTING ERROR		1.425	pCi/L	09/01/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE # 8

ANALYST'S COMMENTS:

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 508314
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1500
Date Received: 8/19/2011
Date Completed: 09/22/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/22/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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
Sodium, Total		1150	MG/L	09/16/11	200.7	
Arsenic, Total	<	10.0	UG/L	09/16/11	200.7	
Barium, Total		133	UG/L	09/16/11	200.7	
Beryllium, Total	<	2.00	UG/L	09/16/11	200.7	
Cadmium, Total	<	5.00	UG/L	09/16/11	200.7	
Chromium, Total	<	5.00	UG/L	09/16/11	200.7	
Copper, Total	<	5.00	UG/L	09/16/11	200.7	
Lead, Total	<	10.0	UG/L	09/16/11	200.7	
Thallium, Total	<	10.0	UG/L	09/16/11	200.7	
Nickel, Total	<	10.0	UG/L	09/16/11	200.7	
Silver, Total	<	5.00	UG/L	09/16/11	200.7	
Strontium, Total		4450	UG/L	09/16/11	200.7	
Zinc, Total	<	5.00	UG/L	09/16/11	200.7	
Antimony, Total	<	10.0	UG/L	09/16/11	200.7	
Selenium, Total	<	10.0	UG/L	09/16/11	200.7	
Uranium, Total		6.80	UG/L	08/25/11	200.8	
Mercury, Total	<	0.05	UG/L	08/26/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:
SITE # 8

ANALYST'S COMMENTS:

* ANALYST



Sample Number: 508315
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1627
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

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 #OK09013

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

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.08				
Acenaphthylene		< 11	UG/L	08/22/11	8270DM	
Acenaphthene		< 11	UG/L	08/22/11	8270DM	
Anthracene	UJ	< 11	UG/L	08/22/11	8270DM	
Benzo(b)fluoranthene		< 11	UG/L	08/22/11	8270DM	
Benzo(k)fluoranthene		< 11	UG/L	08/22/11	8270DM	
Benzo(a)pyrene		< 11	UG/L	08/22/11	8270DM	
Bis(2-chloroethyl)ether		< 11	UG/L	08/22/11	8270DM	
Bis(2-chloroethoxy)methane		< 11	UG/L	08/22/11	8270DM	
Bis(2-chloroisopropyl)ethe		< 11	UG/L	08/22/11	8270DM	
Butylbenzylphthalate		< 11	UG/L	08/22/11	8270DM	
Chrysene		< 11	UG/L	08/22/11	8270DM	
Diethylphthalate		< 11	UG/L	08/22/11	8270DM	
Dimethylphthalate		< 11	UG/L	08/22/11	8270DM	
Fluoranthene	UJ	< 11	UG/L	08/22/11	8270DM	
Fluorene		< 11	UG/L	08/22/11	8270DM	
Hexachlorocyclopentadiene		< 11	UG/L	08/22/11	8270DM	
Hexachloroethane in water		< 11	UG/L	08/22/11	8270DM	
Indeno(123cd)pyrene		< 11	UG/L	08/22/11	8270DM	
Isophorone		< 11	UG/L	08/22/11	8270DM	
Nitrosodipropylamine		< 11	UG/L	08/22/11	8270DM	
Nitrosodiphenylamine	UJ	< 11	UG/L	08/22/11	8270DM	
Nitrobenzene		< 11	UG/L	08/22/11	8270DM	
p-Chloro-m-cresol		< 11	UG/L	08/22/11	8270DM	
Phenanthrene	UJ	< 11	UG/L	08/22/11	8270DM	
Pyrene		< 11	UG/L	08/22/11	8270DM	
Benzo(ghi)perylene		< 11	UG/L	08/22/11	8270DM	
Benzo(a)anthracene		< 11	UG/L	08/22/11	8270DM	
Dibenzo(ah)anthracene		< 11	UG/L	08/22/11	8270DM	
2-Chloronaphthalene		< 11	UG/L	08/22/11	8270DM	
2-Chlorophenol		< 11	UG/L	08/22/11	8270DM	
2-Nitrophenol		< 11	UG/L	08/22/11	8270DM	
Di-n-octylphthalate		< 11	UG/L	08/22/11	8270DM	

Sample Number: 508315
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1627
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	11	UG/L	08/22/11	8270DM	
2,4-Dimethylphenol	<	11	UG/L	08/22/11	8270DM	
2,4-Dinitrotoluene	<	11	UG/L	08/22/11	8270DM	
2,4-Dinitrophenol	<	54	UG/L	08/22/11	8270DM	
2,4,6-Trichlorophenol	<	11	UG/L	08/22/11	8270DM	
2,6-Dinitrotoluene	<	11	UG/L	08/22/11	8270DM	
3,3'-Dichlorobenzidine	<	22	UG/L	08/22/11	8270DM	
4-Bromophenylphenyl ether	UJ <	11	UG/L	08/22/11	8270DM	
4-Chlorophenyl phenylether	<	11	UG/L	08/22/11	8270DM	
4-Nitrophenol	<	54	UG/L	08/22/11	8270DM	
4,6-Dinitro-o-cresol	UJ <	54	UG/L	08/22/11	8270DM	
Phenol	<	11	UG/L	08/22/11	8270DM	
Naphthalene	<	11	UG/L	08/22/11	8270DM	
Pentachlorophenol	UJ <	54	UG/L	08/22/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	11	UG/L	08/22/11	8270DM	
Di-n-butylphthalate	UJ <	11	UG/L	08/22/11	8270DM	
Hexachlorobenzene	UJ <	11	UG/L	08/22/11	8270DM	
Hexachlorobutadiene	<	11	UG/L	08/22/11	8270DM	
Dibenzofuran	<	11	UG/L	08/22/11	8270DM	
2-Methylnaphthalene	<	11	UG/L	08/22/11	8270DM	
2-Methylphenol	<	11	UG/L	08/22/11	8270DM	
4-Methylphenol	<	11	UG/L	08/22/11	8270DM	
2,4,5-Trichlorophenol	<	54	UG/L	08/22/11	8270DM	
4-Chloroaniline	<	11	UG/L	08/22/11	8270DM	
2-Nitroaniline	<	54	UG/L	08/22/11	8270DM	
3-Nitroaniline	<	54	UG/L	08/22/11	8270DM	
4-Nitroaniline	<	54	UG/L	08/22/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		61
PHENOL-D5		24
NITROBENZENE-D5		62
2-FLUOROPHENOL		21

Sample Number: 508315
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1627
Date Received: 8/19/2011
Date Completed: 08/26/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		36
P-TERPHENYL-D14		90

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
(MJ) Cyclic octaatomic sulfur		6	µg/L

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: BEAVER CREEK

SAMPLERS COMMENTS:

SITE # 9; FIELD PH=9.24; SPEC=7,766US; TEMP= 34.22

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

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.

(MJ) The associated value is an estimated quantity at or below the reporting limit for this analysis and reported at the request of the customer.

Surrogate recovery for 2,4,6-Tribromophenol was lower than in-house control limits; therefore associated target compounds were qualified as with a "UJ" flag.

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

*

* ANALYST

Cassandra Kontas

Sample Number: 508315
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1627
Date Received: 8/19/2011
Date Completed: 08/30/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/30/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Specific Conductance		7410	uMHO/CM	08/19/11	2510B	
pH, Liquid		9.07	STD UNIT	08/19/11	150.1	
Alkalinity, Total		100	MG/L	08/22/11	310.2	
Nitrogen, Ammonia	<	0.10	MG/L	08/29/11	350.1	
Nitrogen, Kjeldahl		1.98	MG/L	08/23/11	351.2	
Nitrite-Nitrate as N	<	0.05	MG/L	08/19/11	353.2	
Phosphorus, Total		0.348	MG/L	08/23/11	365.3	
Chloride		1990	MG/L	08/29/11	325.2	
Sulfate		1090	MG/L	08/29/11	375.4	
Residual Chlorine, Total	MI R		MG/L		4500CLG	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: BEAVER CREEK

SAMPLERS COMMENTS:

SITE # 9;FIELD PH=9.24;SPEC=7,766US;TEMP= 34.22

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

(MI) Matrix interference

Susan Mensik

* ANALYST

Susan Mensik

State Environmental Laboratory

Sample Number: 508315
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1627
Date Received: 8/19/2011
Date Completed: 09/02/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/2/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA	<	4.605	pCi/L	09/01/11	7110B	
GROSS BETA COUNTING ERROR		1.386	pCi/L	09/01/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: BEAVER CREEK

SAMPLERS COMMENTS:

SITE # 9; FIELD PH=9.24; SPEC=7.766US; TEMP= 34.22

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

* * ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 508315
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1627
Date Received: 8/19/2011
Date Completed: 09/22/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/22/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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 #OK90013

To: BRIAN MAGOTT/CSD

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

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Sodium, Total		1160	MG/L	09/16/11	200.7	
Arsenic, Total	<	10.0	UG/L	09/16/11	200.7	
Barium, Total		309	UG/L	09/16/11	200.7	
Beryllium, Total	<	2.00	UG/L	09/16/11	200.7	
Cadmium, Total	<	5.00	UG/L	09/16/11	200.7	
Chromium, Total	<	5.00	UG/L	09/16/11	200.7	
Copper, Total	<	5.00	UG/L	09/16/11	200.7	
Lead, Total	<	10.0	UG/L	09/16/11	200.7	
Thallium, Total	<	10.0	UG/L	09/16/11	200.7	
Nickel, Total	<	10.0	UG/L	09/16/11	200.7	
Silver, Total	<	5.00	UG/L	09/16/11	200.7	
Strontium, Total		4370	UG/L	09/16/11	200.7	
Zinc, Total	<	5.00	UG/L	09/16/11	200.7	
Antimony, Total	<	10.0	UG/L	09/16/11	200.7	
Selenium, Total	<	10.0	UG/L	09/16/11	200.7	
Uranium, Total		5.00	UG/L	08/25/11	200.8	
Mercury, Total	<	0.05	UG/L	08/26/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

Sample Number: 508315
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1627
Date Received: 8/19/2011
Date Completed: 09/22/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/22/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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

SOURCE: BEAVER CREEK

SAMPLERS COMMENTS:

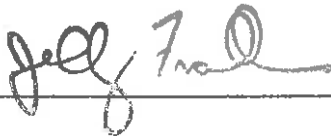
SITE # 9; FIELD PH=9.24; SPEC=7,766US; TEMP= 34.22

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

* ANALYST



Sample Number: 508316
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1809
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.07				
Acenaphthylene	<	11	UG/L	08/22/11	8270DM	
Acenaphthene	<	11	UG/L	08/22/11	8270DM	
Anthracene	UJ <	11	UG/L	08/22/11	8270DM	
Benzo(b)fluoranthene	<	11	UG/L	08/22/11	8270DM	
Benzo(k)fluoranthene	<	11	UG/L	08/22/11	8270DM	
Benzo(a)pyrene	<	11	UG/L	08/22/11	8270DM	
Bis(2-chloroethyl)ether	<	11	UG/L	08/22/11	8270DM	
Bis(2-chloroethoxy)methane	<	11	UG/L	08/22/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	11	UG/L	08/22/11	8270DM	
Butylbenzylphthalate	UJ <	11	UG/L	08/22/11	8270DM	
Chrysene	UJ <	11	UG/L	08/22/11	8270DM	
Diethylphthalate	<	11	UG/L	08/22/11	8270DM	
Dimethylphthalate	<	11	UG/L	08/22/11	8270DM	
Fluoranthene	UJ <	11	UG/L	08/22/11	8270DM	
Fluorene	<	11	UG/L	08/22/11	8270DM	
Hexachlorocyclopentadiene	<	11	UG/L	08/22/11	8270DM	
Hexachloroethane in water	<	11	UG/L	08/22/11	8270DM	
Indeno(123cd)pyrene	<	11	UG/L	08/22/11	8270DM	
Isophorone	<	11	UG/L	08/22/11	8270DM	
Nitrosodipropylamine	<	11	UG/L	08/22/11	8270DM	
Nitrosodiphenylamine	UJ <	11	UG/L	08/22/11	8270DM	
Nitrobenzene	<	11	UG/L	08/22/11	8270DM	
p-Chloro-m-cresol	<	11	UG/L	08/22/11	8270DM	
Phenanthrene	UJ <	11	UG/L	08/22/11	8270DM	
Pyrene	UJ <	11	UG/L	08/22/11	8270DM	
Benzo(ghi)perylene	<	11	UG/L	08/22/11	8270DM	
Benzo(a)anthracene	UJ <	11	UG/L	08/22/11	8270DM	
Dibenzo(ah)anthracene	<	11	UG/L	08/22/11	8270DM	
2-Chloronaphthalene	<	11	UG/L	08/22/11	8270DM	
2-Chlorophenol	<	11	UG/L	08/22/11	8270DM	
2-Nitrophenol	<	11	UG/L	08/22/11	8270DM	
Di-n-octylphthalate	UJ <	11	UG/L	08/22/11	8270DM	

Sample Number: 508316
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1809
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
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OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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To: BRIAN MAGOTT/CSD
 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	11	UG/L	08/22/11	8270DM	
2,4-Dimethylphenol	<	11	UG/L	08/22/11	8270DM	
2,4-Dinitrotoluene	<	11	UG/L	08/22/11	8270DM	
2,4-Dinitrophenol	<	54	UG/L	08/22/11	8270DM	
2,4,6-Trichlorophenol	<	11	UG/L	08/22/11	8270DM	
2,6-Dinitrotoluene	<	11	UG/L	08/22/11	8270DM	
3,3'-Dichlorobenzidine	UJ <	21	UG/L	08/22/11	8270DM	
4-Bromophenylphenyl ether	UJ <	11	UG/L	08/22/11	8270DM	
4-Chlorophenyl phenylether	<	11	UG/L	08/22/11	8270DM	
4-Nitrophenol	<	54	UG/L	08/22/11	8270DM	
4,6-Dinitro-o-cresol	UJ <	54	UG/L	08/22/11	8270DM	
Phenol	<	11	UG/L	08/22/11	8270DM	
Naphthalene	<	11	UG/L	08/22/11	8270DM	
Pentachlorophenol	UJ <	54	UG/L	08/22/11	8270DM	
Bis(2-ethylhexyl)phthalate	UJ <	11	UG/L	08/22/11	8270DM	
Di-n-butylphthalate	UJ <	11	UG/L	08/22/11	8270DM	
Hexachlorobenzene	UJ <	11	UG/L	08/22/11	8270DM	
Hexachlorobutadiene	<	11	UG/L	08/22/11	8270DM	
Dibenzofuran	<	11	UG/L	08/22/11	8270DM	
2-Methylnaphthalene	<	11	UG/L	08/22/11	8270DM	
2-Methylphenol	<	11	UG/L	08/22/11	8270DM	
4-Methylphenol	<	11	UG/L	08/22/11	8270DM	
2,4,5-Trichlorophenol	<	54	UG/L	08/22/11	8270DM	
4-Chloroaniline	<	11	UG/L	08/22/11	8270DM	
2-Nitroaniline	<	54	UG/L	08/22/11	8270DM	
3-Nitroaniline	<	54	UG/L	08/22/11	8270DM	
4-Nitroaniline	<	54	UG/L	08/22/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		50
PHENOL-D5		20
P-TERPHENYL-D14		39
NITROBENZENE-D5		49

Sample Number: 508316
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1809
Date Received: 8/19/2011
Date Completed: 08/26/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/26/2011

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

CC: BRIAN MAGOTT/CSD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		49
2-FLUOROPHENOL		28

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:

SITE # 9; FIELD PH=9.06; SPEC=7,488US; TEMP= 33.30; DO= 8.96

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

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

Surrogate recoveries for 2,4,6-Tribromophenol and Terphenyl-d14 were lower than in-house control limits; therefore associated target compounds were qualified as with a "UJ" flag.

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

*

* ANALYST

Cassandra Kontas

Sample Number: 508316
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1809
Date Received: 8/19/2011
Date Completed: 08/30/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/30/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Specific Conductance		7160	uMHO/CM	08/19/11	2510B	
pH, Liquid		8.88	STD UNIT	08/19/11	150.1	
Alkalinity, Total		35.1	MG/L	08/22/11	310.2	
Nitrogen, Ammonia	<	0.10	MG/L	08/29/11	350.1	
Nitrogen, Kjeldahl		1.90	MG/L	08/23/11	351.2	
Nitrite-Nitrate as N		0.49	MG/L	08/19/11	353.2	
Phosphorus, Total		0.294	MG/L	08/23/11	365.3	
Chloride		1840	MG/L	08/29/11	325.2	
Sulfate		1110	MG/L	08/29/11	375.4	
Residual Chlorine, Total	MI	0.59	MG/L	08/19/11	4500CLG	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE # 9; FIELD PH=9.06; SPEC=7,488US; TEMP= 33.30; DO= 8.96

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

(MI) Matrix interference

* ANALYST

Susan Mensik

Susan Mensik

State Environmental Laboratory

Sample Number: 508316
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1809
Date Received: 8/19/2011
Date Completed: 09/02/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/2/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA		7.060	pCi/L	09/01/11	7110B	
GROSS BETA COUNTING ERROR		1.460	pCi/L	09/01/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

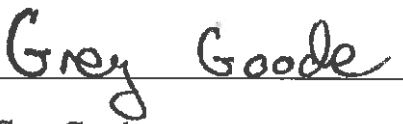
SITE # 9; FIELD PH=9.06; SPEC=7,488US; TEMP= 33.30; DO= 8.96

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

* ANALYST


Greg Goode
State Environmental Laboratory

Sample Number: 508316
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1809
Date Received: 8/19/2011
Date Completed: 09/22/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/22/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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
Sodium, Total		1090	MG/L	09/16/11	200.7	
Arsenic, Total	<	10.0	UG/L	09/16/11	200.7	
Barium, Total		132	UG/L	09/16/11	200.7	
Beryllium, Total	<	2.00	UG/L	09/16/11	200.7	
Cadmium, Total	<	5.00	UG/L	09/16/11	200.7	
Chromium, Total	<	5.00	UG/L	09/16/11	200.7	
Copper, Total	<	5.00	UG/L	09/16/11	200.7	
Lead, Total	<	10.0	UG/L	09/16/11	200.7	
Thallium, Total	<	10.0	UG/L	09/16/11	200.7	
Nickel, Total	<	10.0	UG/L	09/16/11	200.7	
Silver, Total	<	5.00	UG/L	09/16/11	200.7	
Strontium, Total		4390	UG/L	09/16/11	200.7	
Zinc, Total	<	5.00	UG/L	09/16/11	200.7	
Antimony, Total	<	10.0	UG/L	09/16/11	200.7	
Selenium, Total	<	10.0	UG/L	09/16/11	200.7	
Uranium, Total		7.20	UG/L	08/25/11	200.8	
Mercury, Total	<	0.05	UG/L	08/26/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

Sample Number: 508316
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1809
Date Received: 8/19/2011
Date Completed: 09/22/2011
Collected By: BM
PWS Id:
Location Code:
Station:
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Report Date: 9/22/2011

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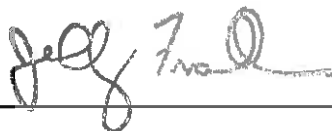
SOURCE: RED RIVER

SAMPLERS COMMENTS:
SITE # 9; FIELD PH=9.06; SPEC=7,488US; TEMP= 33.30; DO= 8.96

SAMPLE RECEIVING COMMENTS:
ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

* ANALYST



Sample Number: 508317
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1911
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
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OKLAHOMA CITY
OKLAHOMA, 73102-6010
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To: BRIAN MAGOTT/CSD
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 BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.06				
Acenaphthylene	<	11	UG/L	08/23/11	8270DM	
Acenaphthene	<	11	UG/L	08/23/11	8270DM	
Anthracene	<	11	UG/L	08/23/11	8270DM	
Benzo(b)fluoranthene	<	11	UG/L	08/23/11	8270DM	
Benzo(k)fluoranthene	<	11	UG/L	08/23/11	8270DM	
Benzo(a)pyrene	<	11	UG/L	08/23/11	8270DM	
Bis(2-chloroethyl)ether	<	11	UG/L	08/23/11	8270DM	
Bis(2-chloroethoxy)methane	<	11	UG/L	08/23/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	11	UG/L	08/23/11	8270DM	
Butylbenzylphthalate	UJ <	11	UG/L	08/23/11	8270DM	
Chrysene	UJ <	11	UG/L	08/23/11	8270DM	
Diethylphthalate	<	11	UG/L	08/23/11	8270DM	
Dimethylphthalate	<	11	UG/L	08/23/11	8270DM	
Fluoranthene	<	11	UG/L	08/23/11	8270DM	
Fluorene	<	11	UG/L	08/23/11	8270DM	
Hexachlorocyclopentadiene	<	11	UG/L	08/23/11	8270DM	
Hexachloroethane in water	<	11	UG/L	08/23/11	8270DM	
Indeno(123cd)pyrene	<	11	UG/L	08/23/11	8270DM	
Isophorone	<	11	UG/L	08/23/11	8270DM	
Nitrosodipropylamine	<	11	UG/L	08/23/11	8270DM	
Nitrosodiphenylamine	<	11	UG/L	08/23/11	8270DM	
Nitrobenzene	<	11	UG/L	08/23/11	8270DM	
p-Chloro-m-cresol	<	11	UG/L	08/23/11	8270DM	
Phenanthrene	<	11	UG/L	08/23/11	8270DM	
Pyrene	UJ <	11	UG/L	08/23/11	8270DM	
Benzo(ghi)perylene	<	11	UG/L	08/23/11	8270DM	
Benzo(a)anthracene	UJ <	11	UG/L	08/23/11	8270DM	
Dibenzo(ah)anthracene	<	11	UG/L	08/23/11	8270DM	
2-Chloronaphthalene	<	11	UG/L	08/23/11	8270DM	
2-Chlorophenol	<	11	UG/L	08/23/11	8270DM	
2-Nitrophenol	<	11	UG/L	08/23/11	8270DM	
Di-n-octylphthalate	UJ <	11	UG/L	08/23/11	8270DM	

Sample Number: 508317
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1911
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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OKLAHOMA CITY
OKLAHOMA, 73102-6010
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 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: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	11	UG/L	08/23/11	8270DM	
2,4-Dimethylphenol	<	11	UG/L	08/23/11	8270DM	
2,4-Dinitrotoluene	<	11	UG/L	08/23/11	8270DM	
2,4-Dinitrophenol	<	53	UG/L	08/23/11	8270DM	
2,4,6-Trichlorophenol	<	11	UG/L	08/23/11	8270DM	
2,6-Dinitrotoluene	<	11	UG/L	08/23/11	8270DM	
3,3'-Dichlorobenzidine	UJ <	21	UG/L	08/23/11	8270DM	
4-Bromophenylphenyl ether	<	11	UG/L	08/23/11	8270DM	
4-Chlorophenyl phenylether	<	11	UG/L	08/23/11	8270DM	
4-Nitrophenol	<	53	UG/L	08/23/11	8270DM	
4,6-Dinitro-o-cresol	<	53	UG/L	08/23/11	8270DM	
Phenol	<	11	UG/L	08/23/11	8270DM	
Naphthalene	<	11	UG/L	08/23/11	8270DM	
Pentachlorophenol	<	53	UG/L	08/23/11	8270DM	
Bis(2-ethylhexyl)phthalate	UJ <	11	UG/L	08/23/11	8270DM	
Di-n-butylphthalate	<	11	UG/L	08/23/11	8270DM	
Hexachlorobenzene	<	11	UG/L	08/23/11	8270DM	
Hexachlorobutadiene	<	11	UG/L	08/23/11	8270DM	
Dibenzofuran	<	11	UG/L	08/23/11	8270DM	
2-Methylnaphthalene	<	11	UG/L	08/23/11	8270DM	
2-Methylphenol	<	11	UG/L	08/23/11	8270DM	
4-Methylphenol	<	11	UG/L	08/23/11	8270DM	
2,4,5-Trichlorophenol	<	53	UG/L	08/23/11	8270DM	
4-Chloroaniline	<	11	UG/L	08/23/11	8270DM	
2-Nitroaniline	<	53	UG/L	08/23/11	8270DM	
3-Nitroaniline	<	53	UG/L	08/23/11	8270DM	
4-Nitroaniline	<	53	UG/L	08/23/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		84
2-FLUOROBIPHENYL		80
P-TERPHENYL-D14		55
PHENOL-D5		29

Sample Number: 508317
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1911
Date Received: 8/19/2011
Date Completed: 08/26/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		80
2-FLUOROPHENOL		44

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: BEAVER CREEK

SAMPLERS COMMENTS:

SITE # 11; FIELD PH=7.93;DO=5.75;SPEC CON=781US; TEMP= 29.68

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

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

Surrogate recovery for Terphenyl-d14 was lower than in-house control limits; therefore associated target compounds were qualified as with a "UJ" flag.

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

*

* ANALYST

Cassandra Kontas

Sample Number: 508317
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1911
Date Received: 8/19/2011
Date Completed: 08/30/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/30/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Specific Conductance		729	uMHO/CM	08/19/11	2510B	
pH, Liquid		7.98	STD UNIT	08/19/11	150.1	
Alkalinity, Total		198	MG/L	08/22/11	310.2	
Nitrogen, Ammonia	<	0.10	MG/L	08/29/11	350.1	
Nitrogen, Kjeldahl		0.92	MG/L	08/23/11	351.2	
Nitrite-Nitrate as N	<	0.05	MG/L	08/19/11	353.2	
Phosphorus, Total		0.097	MG/L	08/23/11	365.3	
Chloride		41.2	MG/L	08/29/11	325.2	
Sulfate		102	MG/L	08/29/11	375.4	
Residual Chlorine, Total		0.13	MG/L	08/19/11	4500CLG	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: BEAVER CREEK

SAMPLERS COMMENTS:

SITE # 11; FIELD PH=7.93;DO=5.75;SPEC CON=781US; TEMP= 29.68

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

* ANALYST

Susan Mensik

Susan Mensik

State Environmental Laboratory

Sample Number: 508317
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1911
Date Received: 8/19/2011
Date Completed: 09/02/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/2/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA		11.06	pCi/L	08/26/11	7110B	
GROSS BETA COUNTING ERROR		0.733	pCi/L	08/26/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: BEAVER CREEK

SAMPLERS COMMENTS:

SITE # 11; FIELD PH=7.93;DO=5.75;SPEC CON=781US; TEMP= 29.68

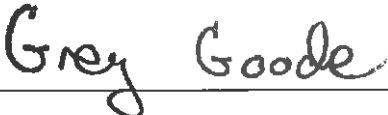
SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

*

* ANALYST


Greg Goode
State Environmental Laboratory

Sample Number: 508317
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1911
Date Received: 8/19/2011
Date Completed: 09/22/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/22/2011

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OKLAHOMA CITY
OKLAHOMA, 73102-6010
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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
Sodium, Total		51.1	MG/L	09/16/11	200.7	
Arsenic, Total	<	10.0	UG/L	09/16/11	200.7	
Barium, Total		293	UG/L	09/16/11	200.7	
Beryllium, Total	<	2.00	UG/L	09/16/11	200.7	
Cadmium, Total	<	5.00	UG/L	09/16/11	200.7	
Chromium, Total	<	5.00	UG/L	09/16/11	200.7	
Copper, Total		30.8	UG/L	09/16/11	200.7	
Lead, Total	<	10.0	UG/L	09/16/11	200.7	
Thallium, Total	<	10.0	UG/L	09/16/11	200.7	
Nickel, Total	<	10.0	UG/L	09/16/11	200.7	
Silver, Total	<	5.00	UG/L	09/16/11	200.7	
Strontium, Total		751	UG/L	09/16/11	200.7	
Zinc, Total		20.5	UG/L	09/16/11	200.7	
Antimony, Total	<	10.0	UG/L	09/16/11	200.7	
Selenium, Total	<	10.0	UG/L	09/16/11	200.7	
Uranium, Total		3.10	UG/L	08/25/11	200.8	
Mercury, Total	<	0.05	UG/L	08/26/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

Sample Number: 508317
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1911
Date Received: 8/19/2011
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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Sample Receiving: (405) 702-1113
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EPA Drinking Water Certification #OK00013

To: BRIAN MAGOTT/CSD

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

SOURCE: BEAVER CREEK

SAMPLERS COMMENTS:

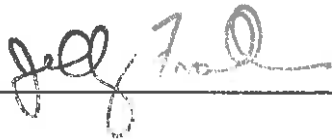
SITE # 11; FIELD PH=7.93;DO=5.75;SPEC CON=781US; TEMP= 29.68

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

* * ANALYST



Sample Number: 508318
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 2015
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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 BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.06				
Acenaphthylene	<	11	UG/L	08/23/11	8270DM	
Acenaphthene	<	11	UG/L	08/23/11	8270DM	
Anthracene	<	11	UG/L	08/23/11	8270DM	
Benzo(b)fluoranthene	<	11	UG/L	08/23/11	8270DM	
Benzo(k)fluoranthene	<	11	UG/L	08/23/11	8270DM	
Benzo(a)pyrene	<	11	UG/L	08/23/11	8270DM	
Bis(2-chloroethyl)ether	<	11	UG/L	08/23/11	8270DM	
Bis(2-chloroethoxy)methane	<	11	UG/L	08/23/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	11	UG/L	08/23/11	8270DM	
Butylbenzylphthalate	UJ <	11	UG/L	08/23/11	8270DM	
Chrysene	UJ <	11	UG/L	08/23/11	8270DM	
Diethylphthalate	<	11	UG/L	08/23/11	8270DM	
Dimethylphthalate	<	11	UG/L	08/23/11	8270DM	
Fluoranthene	<	11	UG/L	08/23/11	8270DM	
Fluorene	<	11	UG/L	08/23/11	8270DM	
Hexachlorocyclopentadiene	<	11	UG/L	08/23/11	8270DM	
Hexachloroethane in water	<	11	UG/L	08/23/11	8270DM	
Indeno(123cd)pyrene	<	11	UG/L	08/23/11	8270DM	
Isophorone	<	11	UG/L	08/23/11	8270DM	
Nitrosodipropylamine	<	11	UG/L	08/23/11	8270DM	
Nitrosodiphenylamine	<	11	UG/L	08/23/11	8270DM	
Nitrobenzene	<	11	UG/L	08/23/11	8270DM	
p-Chloro-m-cresol	<	11	UG/L	08/23/11	8270DM	
Phenanthrene	<	11	UG/L	08/23/11	8270DM	
Pyrene	UJ <	11	UG/L	08/23/11	8270DM	
Benzo(ghi)perylene	<	11	UG/L	08/23/11	8270DM	
Benzo(a)anthracene	UJ <	11	UG/L	08/23/11	8270DM	
Dibenzo(ah)anthracene	<	11	UG/L	08/23/11	8270DM	
2-Chloronaphthalene	<	11	UG/L	08/23/11	8270DM	
2-Chlorophenol	<	11	UG/L	08/23/11	8270DM	
2-Nitrophenol	<	11	UG/L	08/23/11	8270DM	
Di-n-octylphthalate	UJ <	11	UG/L	08/23/11	8270DM	

Sample Number: 508318
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 2015
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	11	UG/L	08/23/11	8270DM	
2,4-Dimethylphenol	<	11	UG/L	08/23/11	8270DM	
2,4-Dinitrotoluene	<	11	UG/L	08/23/11	8270DM	
2,4-Dinitrophenol	<	53	UG/L	08/23/11	8270DM	
2,4,6-Trichlorophenol	<	11	UG/L	08/23/11	8270DM	
2,6-Dinitrotoluene	<	11	UG/L	08/23/11	8270DM	
3,3'-Dichlorobenzidine	UJ <	21	UG/L	08/23/11	8270DM	
4-Bromophenylphenyl ether	<	11	UG/L	08/23/11	8270DM	
4-Chlorophenyl phenylether	<	11	UG/L	08/23/11	8270DM	
4-Nitrophenol	<	53	UG/L	08/23/11	8270DM	
4,6-Dinitro-o-cresol	<	53	UG/L	08/23/11	8270DM	
Phenol	<	11	UG/L	08/23/11	8270DM	
Naphthalene	<	11	UG/L	08/23/11	8270DM	
Pentachlorophenol	<	53	UG/L	08/23/11	8270DM	
Bis(2-ethylhexyl)phthalate	UJ <	11	UG/L	08/23/11	8270DM	
Di-n-butylphthalate	<	11	UG/L	08/23/11	8270DM	
Hexachlorobenzene	<	11	UG/L	08/23/11	8270DM	
Hexachlorobutadiene	<	11	UG/L	08/23/11	8270DM	
Dibenzofuran	<	11	UG/L	08/23/11	8270DM	
2-Methylnaphthalene	<	11	UG/L	08/23/11	8270DM	
2-Methylphenol	<	11	UG/L	08/23/11	8270DM	
4-Methylphenol	<	11	UG/L	08/23/11	8270DM	
2,4,5-Trichlorophenol	<	53	UG/L	08/23/11	8270DM	
4-Chloroaniline	<	11	UG/L	08/23/11	8270DM	
2-Nitroaniline	<	53	UG/L	08/23/11	8270DM	
3-Nitroaniline	<	53	UG/L	08/23/11	8270DM	
4-Nitroaniline	<	53	UG/L	08/23/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		63
PHENOL-D5		25
NITROBENZENE-D5		65
2,4,6-TRIBROMOPHENOL		69

Sample Number: 508318
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 2015
Date Received: 8/19/2011
Date Completed: 08/26/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		37
P-TERPHENYL-D14		41

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: COW CREEK

SAMPLERS COMMENTS:

SITE # 12; FIELD PH=8.32;DO=4.45;SPEC CON=1,467US; TEMP= 30.42

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

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

Surrogate recovery for Terphenyl-d14 was lower than in-house control limits; therefore associated target compounds were qualified as with a "UJ" flag.

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

*

* ANALYST

Cassandra Kontas

Sample Number: 508318
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 2015
Date Received: 8/19/2011
Date Completed: 08/30/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/30/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Specific Conductance		1390	uMHO/CM	08/19/11	2510B	
pH, Liquid		8.29	STD UNIT	08/19/11	150.1	
Alkalinity, Total		341	MG/L	08/22/11	310.2	
Nitrogen, Ammonia	<	0.10	MG/L	08/29/11	350.1	
Nitrogen, Kjeldahl		1.64	MG/L	08/23/11	351.2	
Nitrite-Nitrate as N	<	0.05	MG/L	08/19/11	353.2	
Phosphorus, Total		0.712	MG/L	08/23/11	365.3	
Chloride		164	MG/L	08/29/11	325.2	
Sulfate		97.3	MG/L	08/29/11	375.4	
Residual Chlorine, Total		0.31	MG/L	08/19/11	4500C1G	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: COW CREEK

SAMPLERS COMMENTS:

SITE # 12; FIELD PH=8.32;DO=4.45;SPEC CON=1,467US; TEMP= 30.42

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

*

* ANALYST

Susan Mensik

Susan Mensik

State Environmental Laboratory

Sample Number: 508318
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 2015
Date Received: 8/19/2011
Date Completed: 09/02/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/2/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
GROSS BETA		20.39	pCi/L	08/26/11	7110B	
GROSS BETA COUNTING ERROR		1.333	pCi/L	08/26/11	7110B	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: COW CREEK

SAMPLERS COMMENTS:

SITE # 12; FIELD PH=8.32;DO=4.45;SPEC CON=1,467US; TEMP= 30.42

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

*

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 508318
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 2015
Date Received: 8/19/2011
Date Completed: 09/22/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/22/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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
Sodium, Total		154	MG/L	09/16/11	200.7	
Arsenic, Total		12.7	UG/L	09/16/11	200.7	
Barium, Total		492	UG/L	09/16/11	200.7	
Beryllium, Total	<	2.00	UG/L	09/16/11	200.7	
Cadmium, Total	<	5.00	UG/L	09/16/11	200.7	
Chromium, Total	<	5.00	UG/L	09/16/11	200.7	
Copper, Total	<	5.00	UG/L	09/16/11	200.7	
Lead, Total	<	10.0	UG/L	09/16/11	200.7	
Thallium, Total	<	10.0	UG/L	09/16/11	200.7	
Nickel, Total	<	10.0	UG/L	09/16/11	200.7	
Silver, Total	<	5.00	UG/L	09/16/11	200.7	
Strontium, Total		1070	UG/L	09/16/11	200.7	
Zinc, Total	<	5.00	UG/L	09/16/11	200.7	
Antimony, Total	<	10.0	UG/L	09/16/11	200.7	
Selenium, Total	<	10.0	UG/L	09/16/11	200.7	
Uranium, Total		5.20	UG/L	08/25/11	200.8	
Mercury, Total	<	0.05	UG/L	08/26/11	7470	

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

Sample Number: 508318
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 2015
Date Received: 8/19/2011
Date Completed: 09/22/2011
Collected By: BM
PWS Id:
Location Code:
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Report Date: 9/22/2011

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

SOURCE: COW CREEK

SAMPLERS COMMENTS:

SITE # 12; FIELD PH=8.32;DO=4.45;SPEC CON=1,467US; TEMP= 30.42

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:

* * ANALYST

gag 7 0

Sample Number: 508319
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected:
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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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: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.00				
Acenaphthylene	<	10	UG/L	08/22/11	8270DM	
Acenaphthene	<	10	UG/L	08/22/11	8270DM	
Anthracene	<	10	UG/L	08/22/11	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	08/22/11	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	08/22/11	8270DM	
Benzo(a)pyrene	<	10	UG/L	08/22/11	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	08/22/11	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	08/22/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	10	UG/L	08/22/11	8270DM	
Butylbenzylphthalate	<	10	UG/L	08/22/11	8270DM	
Chrysene	<	10	UG/L	08/22/11	8270DM	
Diethylphthalate	<	10	UG/L	08/22/11	8270DM	
Dimethylphthalate	<	10	UG/L	08/22/11	8270DM	
Fluoranthene	<	10	UG/L	08/22/11	8270DM	
Fluorene	<	10	UG/L	08/22/11	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	08/22/11	8270DM	
Hexachloroethane in water	<	10	UG/L	08/22/11	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	08/22/11	8270DM	
Isophorone	<	10	UG/L	08/22/11	8270DM	
Nitrosodipropylamine	<	10	UG/L	08/22/11	8270DM	
Nitrosodiphenylamine	<	10	UG/L	08/22/11	8270DM	
Nitrobenzene	<	10	UG/L	08/22/11	8270DM	
p-Chloro-m-cresol	<	10	UG/L	08/22/11	8270DM	
Phenanthrene	<	10	UG/L	08/22/11	8270DM	
Pyrene	<	10	UG/L	08/22/11	8270DM	
Benzo(ghi)perylene	<	10	UG/L	08/22/11	8270DM	
Benzo(a)anthracene	<	10	UG/L	08/22/11	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	08/22/11	8270DM	
2-Chloronaphthalene	<	10	UG/L	08/22/11	8270DM	
2-Chlorophenol	<	10	UG/L	08/22/11	8270DM	
2-Nitrophenol	<	10	UG/L	08/22/11	8270DM	
Di-n-octylphthalate	<	10	UG/L	08/22/11	8270DM	

Sample Number: 508319
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 DEBBIE NICHOLS/ECLS
 BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	08/22/11	8270DM	
2,4-Dimethylphenol	<	10	UG/L	08/22/11	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	08/22/11	8270DM	
2,4-Dinitrophenol	<	50	UG/L	08/22/11	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	08/22/11	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	08/22/11	8270DM	
3,3'-Dichlorobenzidine	<	20	UG/L	08/22/11	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	08/22/11	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	08/22/11	8270DM	
4-Nitrophenol	<	50	UG/L	08/22/11	8270DM	
4,6-Dinitro-o-cresol	<	50	UG/L	08/22/11	8270DM	
Phenol	<	10	UG/L	08/22/11	8270DM	
Naphthalene	<	10	UG/L	08/22/11	8270DM	
Pentachlorophenol	<	50	UG/L	08/22/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	08/22/11	8270DM	
Di-n-butylphthalate	<	10	UG/L	08/22/11	8270DM	
Hexachlorobenzene	<	10	UG/L	08/22/11	8270DM	
Hexachlorobutadiene	<	10	UG/L	08/22/11	8270DM	
Dibenzofuran	<	10	UG/L	08/22/11	8270DM	
2-Methylnaphthalene	<	10	UG/L	08/22/11	8270DM	
2-Methylphenol	<	10	UG/L	08/22/11	8270DM	
4-Methylphenol	<	10	UG/L	08/22/11	8270DM	
2,4,5-Trichlorophenol	<	50	UG/L	08/22/11	8270DM	
4-Chloroaniline	<	10	UG/L	08/22/11	8270DM	
2-Nitroaniline	<	50	UG/L	08/22/11	8270DM	
3-Nitroaniline	<	50	UG/L	08/22/11	8270DM	
4-Nitroaniline	<	50	UG/L	08/22/11	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
P-TERPHENYL-D14		164
2,4,6-TRIBROMOPHENOL		92
2-FLUOROPHENOL		55
2-FLUOROBIPHENYL		97

Sample Number: 508319
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected:
Date Received: 8/19/2011
Date Completed: 08/26/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/26/2011

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

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BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		95
PHENOL-D5		34

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NU			

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: COW CREEK

SAMPLERS COMMENTS:
LAB BLANK

SAMPLE RECEIVING COMMENTS:
ICE; SAMPLE= 4.6

ANALYST'S COMMENTS:
Analyst: Cassandra Kontas

Surrogate recovery for Terphenyl-d14 recovered higher than in-house control limits.
(NU) The analysis indicates no 'tentatively identified' compounds present above the
reporting limit for this analysis.

*

* ANALYST

Cassandra Kontas

Sample Number: 508320
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1500
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

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
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 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
Dilution Factor, Extractabi		39.1				
Acenaphthylene	<	390	UG/KG	08/22/11	8270DM	
Acenaphthene	<	390	UG/KG	08/22/11	8270DM	
Anthracene	<	390	UG/KG	08/22/11	8270DM	
Benzo(b) fluoranthene	<	390	UG/KG	08/22/11	8270DM	
Benzo(k) fluoranthene	<	390	UG/KG	08/22/11	8270DM	
Benzo(a)pyrene	<	390	UG/KG	08/22/11	8270DM	
Bis(2-chloroethyl)ether	<	390	UG/KG	08/22/11	8270DM	
Bis(2-chloroethoxy)methane	<	390	UG/KG	08/22/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	390	UG/KG	08/22/11	8270DM	
Butylbenzylphthalate	<	390	UG/KG	08/22/11	8270DM	
Chrysene	<	390	UG/KG	08/22/11	8270DM	
Diethylphthalate	<	390	UG/KG	08/22/11	8270DM	
Dimethylphthalate	<	390	UG/KG	08/22/11	8270DM	
Fluoranthene	<	390	UG/KG	08/22/11	8270DM	
Fluorene	<	390	UG/KG	08/22/11	8270DM	
Hexachlorocyclopentadiene	<	390	UG/KG	08/22/11	8270DM	
Hexachloroethane	<	390	UG/KG	08/22/11	8270DM	
Indeno(123cd)pyrene	<	390	UG/KG	08/22/11	8270DM	
Isophorone	<	390	UG/KG	08/22/11	8270DM	
Nitrosodipropylamine	<	390	UG/KG	08/22/11	8270DM	
Nitrosodiphenylamine	<	390	UG/KG	08/22/11	8270DM	
Naphthalene	<	390	UG/KG	08/22/11	8270DM	
Nitrobenzene	<	390	UG/KG	08/22/11	8270DM	
p-Chloro-m-cresol	<	390	UG/KG	08/22/11	8270DM	
Phenanthrene	<	390	UG/KG	08/22/11	8270DM	
Pyrene	<	390	UG/KG	08/22/11	8270DM	
Benzo(ghi)perylene	<	390	UG/KG	08/22/11	8270DM	
Benzo(a)anthracene	<	390	UG/KG	08/22/11	8270DM	
Dibenzo(ah)anthracene	<	390	UG/KG	08/22/11	8270DM	
2-Chloronaphthalene	<	390	UG/KG	08/22/11	8270DM	
2-Chlorophenol	<	390	UG/KG	08/22/11	8270DM	
2-Nitrophenol	<	390	UG/KG	08/22/11	8270DM	

Sample Number: 508320
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1500
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate	<	390	UG/KG	08/22/11	8270DM	
2,4-Dichlorophenol	<	390	UG/KG	08/22/11	8270DM	
2,4-Dimethylphenol	<	390	UG/KG	08/22/11	8270DM	
2,4-Dinitrotoluene	<	390	UG/KG	08/22/11	8270DM	
2,4-Dinitrophenol	<	2000	UG/KG	08/22/11	8270DM	
2,4,6-Trichlorophenol	<	2000	UG/KG	08/22/11	8270DM	
2,6-Dinitrotoluene	<	390	UG/KG	08/22/11	8270DM	
3,3'-Dichlorobenzidine	<	780	UG/KG	08/22/11	8270DM	
4-Bromophenylphenyl ether	<	390	UG/KG	08/22/11	8270DM	
4-Chlorophenyl phenylether	<	390	UG/KG	08/22/11	8270DM	
4-Nitrophenol	<	2000	UG/KG	08/22/11	8270DM	
4,6-Dinitro-o-cresol	<	2000	UG/KG	08/22/11	8270DM	
Phenol	<	390	UG/KG	08/22/11	8270DM	
Pentachlorophenol	<	2000	UG/KG	08/22/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	390	UG/KG	08/22/11	8270DM	
Di-n-butylphthalate	<	390	UG/KG	08/22/11	8270DM	
Hexachlorobenzene	<	390	UG/KG	08/22/11	8270DM	
Hexachlorobutadiene	<	390	UG/KG	08/22/11	8270DM	
Benzyl alcohol	<	390	UG/KG	08/22/11	8270DM	
Dibenzofuran	<	390	UG/KG	08/22/11	8270DM	
2-Methylphenol	<	390	UG/KG	08/22/11	8270DM	
4-Methylphenol	<	390	UG/KG	08/22/11	8270DM	
2,4,5-Trichlorophenol	<	2000	UG/KG	08/22/11	8270DM	
4-Chloroaniline	<	390	UG/KG	08/22/11	8270DM	
2-Nitroaniline	<	2000	UG/KG	08/22/11	8270DM	
3-Nitroaniline	<	2000	UG/KG	08/22/11	8270DM	
4-Nitroaniline	<	2000	UG/KG	08/22/11	8270DM	
2-Methylnaphthalene	<	390	UG/KG	08/22/11	8270DM	
% Moisture - GC/MS Lab		15.	%	08/22/11	1005 M	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		68
2,4,6-TRIBROMOPHENOL		77

Sample Number: 508320
Project Code: , CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1500
Date Received: 8/19/2011
Date Completed: 08/26/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		75
2-FLUOROPHENOL		73
PHENOL-D5		83
P-TERPHENYL-D14		62

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
(MJ) Hentriacontane		46	µg/kg
(MJ) Heptadecane		88	µg/kg
(MJ) Cyclic octaatomic sulfur		340	µg/kg

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:
SITE # 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. (MJ) The associated value is an estimated quantity at or below the adjusted lower limit of quantitation for this analysis and reported at the request of the customer.

*

* ANALYST Cassandra Kontas

Sample Number: 508320
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1500
Date Received: 8/19/2011
Date Completed: 08/30/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/30/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Chloride (Sed.)		467	MG/KG	08/29/11	325.2M	
Sulfate (Sed.)		577	MG/KG	08/29/11	375.4M	

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE # 8

ANALYST'S COMMENTS:

Susan Mensik

*

* ANALYST

Susan Mensik

State Environmental Laboratory

Sample Number: 508320
Project Code: CMP-EK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1500
Date Received: 8/19/2011
Date Completed: 09/02/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/2/2011

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 #CK00013

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

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Sodium, Sediment	<	1.00	MG/KG	08/25/11	6010	3051
Arsenic, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Barium, Sediment		66.0	MG/KG	08/25/11	6010	3051
Beryllium, Sediment	<	2.00	MG/KG	08/25/11	6010	3051
Cadmium, Sediment	<	5.00	MG/KG	08/25/11	6010	3051
Chromium, Sediment	<	5.00	MG/KG	08/25/11	6010	3051
Copper, Sediment	<	5.00	MG/KG	08/25/11	6010	3051
Lead, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Nickel, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Silver, Sediment	<	5.00	MG/KG	08/25/11	6010	3051
Strontium, Sediment		28.1	MG/KG	08/25/11	6010	3051
Zinc, Sediment		8.50	MG/KG	08/25/11	6010	3051
Antimony, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Selenium, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Thallium, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Mercury, Sediment	<	0.25	MG/KG	09/02/11	7471	3051
% Solids		80.8	%	08/25/11	CLP 5.4	3051

Summary

Labs performing analysis on this Sample:

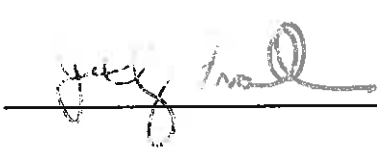
Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE # 8

ANALYST'S COMMENTS:

* ANALYST 

Sample Number: 508321
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1627
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractabl		41.1				
Acenaphthylene	<	410	UG/KG	08/22/11	8270DM	
Acenaphthene	<	410	UG/KG	08/22/11	8270DM	
Anthracene	<	410	UG/KG	08/22/11	8270DM	
Benzo(b)fluoranthene	<	410	UG/KG	08/22/11	8270DM	
Benzo(k)fluoranthene	<	410	UG/KG	08/22/11	8270DM	
Benzo(a)pyrene	<	410	UG/KG	08/22/11	8270DM	
Bis(2-chloroethyl)ether	<	410	UG/KG	08/22/11	8270DM	
Bis(2-chloroethoxy)methane	<	410	UG/KG	08/22/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	410	UG/KG	08/22/11	8270DM	
Butylbenzylphthalate	<	410	UG/KG	08/22/11	8270DM	
Chrysene	<	410	UG/KG	08/22/11	8270DM	
Diethylphthalate	<	410	UG/KG	08/22/11	8270DM	
Dimethylphthalate	<	410	UG/KG	08/22/11	8270DM	
Fluoranthene	<	410	UG/KG	08/22/11	8270DM	
Fluorene	<	410	UG/KG	08/22/11	8270DM	
Hexachlorocyclopentadiene	<	410	UG/KG	08/22/11	8270DM	
Hexachloroethane	<	410	UG/KG	08/22/11	8270DM	
Indeno(123cd)pyrene	<	410	UG/KG	08/22/11	8270DM	
Isophorone	<	410	UG/KG	08/22/11	8270DM	
Nitrosodipropylamine	<	410	UG/KG	08/22/11	8270DM	
Nitrosodiphenylamine	<	410	UG/KG	08/22/11	8270DM	
Naphthalene	<	410	UG/KG	08/22/11	8270DM	
Nitrobenzene	<	410	UG/KG	08/22/11	8270DM	
p-Chloro-m-cresol	<	410	UG/KG	08/22/11	8270DM	
Phenanthrene	<	410	UG/KG	08/22/11	8270DM	
Pyrene	<	410	UG/KG	08/22/11	8270DM	
Benzo(ghi)perylene	<	410	UG/KG	08/22/11	8270DM	
Benzo(a)anthracene	<	410	UG/KG	08/22/11	8270DM	
Dibenzo(ah)anthracene	<	410	UG/KG	08/22/11	8270DM	
2-Chloronaphthalene	<	410	UG/KG	08/22/11	8270DM	
2-Chlorophenol	<	410	UG/KG	08/22/11	8270DM	
2-Nitrophenol	<	410	UG/KG	08/22/11	8270DM	

Sample Number: 508321
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1627
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate	<	410	UG/KG	08/22/11	8270DM	
2,4-Dichlorophenol	<	410	UG/KG	08/22/11	8270DM	
2,4-Dimethylphenol	<	410	UG/KG	08/22/11	8270DM	
2,4-Dinitrotoluene	<	410	UG/KG	08/22/11	8270DM	
2,4-Dinitrophenol	<	2100	UG/KG	08/22/11	8270DM	
2,4,6-Trichlorophenol	<	2100	UG/KG	08/22/11	8270DM	
2,6-Dinitrotoluene	<	410	UG/KG	08/22/11	8270DM	
3,3'-Dichlorobenzidine	<	820	UG/KG	08/22/11	8270DM	
4-Bromophenylphenyl ether	<	410	UG/KG	08/22/11	8270DM	
4-Chlorophenyl phenylether	<	410	UG/KG	08/22/11	8270DM	
4-Nitrophenol	<	2100	UG/KG	08/22/11	8270DM	
4,6-Dinitro-o-cresol	<	2100	UG/KG	08/22/11	8270DM	
Phenol	<	410	UG/KG	08/22/11	8270DM	
Pentachlorophenol	<	2100	UG/KG	08/22/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	410	UG/KG	08/22/11	8270DM	
Di-n-butylphthalate	<	410	UG/KG	08/22/11	8270DM	
Hexachlorobenzene	<	410	UG/KG	08/22/11	8270DM	
Hexachlorobutadiene	<	410	UG/KG	08/22/11	8270DM	
Benzyl alcohol	<	410	UG/KG	08/22/11	8270DM	
Dibenzofuran	<	410	UG/KG	08/22/11	8270DM	
2-Methylphenol	<	410	UG/KG	08/22/11	8270DM	
4-Methylphenol	<	410	UG/KG	08/22/11	8270DM	
2,4,5-Trichlorophenol	<	2100	UG/KG	08/22/11	8270DM	
4-Chloroaniline	<	410	UG/KG	08/22/11	8270DM	
2-Nitroaniline	<	2100	UG/KG	08/22/11	8270DM	
3-Nitroaniline	<	2100	UG/KG	08/22/11	8270DM	
4-Nitroaniline	<	2100	UG/KG	08/22/11	8270DM	
2-Methylnaphthalene	<	410	UG/KG	08/22/11	8270DM	
% Moisture - GC/MS Lab		23.	%	08/22/11	1005 M	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		63
NITROBENZENE-D5		61

Sample Number: 508321
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1627
Date Received: 8/19/2011
Date Completed: 08/26/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		63
2,4,6-TRIBROMOPHENOL		59
P-TERPHENYL-D14		53
PHENOL-D5		66

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: BEAVER CREEK

SAMPLERS COMMENTS:

SITE # 9

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: 508321
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1627
Date Received: 8/19/2011
Date Completed: 08/30/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/30/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Chloride (Sed.)		869	MG/KG	08/29/11	325.2M	
Sulfate (Sed.)		1680	MG/KG	08/29/11	375.4M	

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: BEAVER CREEK

SAMPLERS COMMENTS:

SITE # 9

ANALYST'S COMMENTS:

Susan Mensik

*

* ANALYST

Susan Mensik

State Environmental Laboratory

Sample Number: 508321
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1627
Date Received: 8/19/2011
Date Completed: 09/02/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/2/2011

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, Sediment	<	1.00	MG/KG	08/25/11	6010	3051
Arsenic, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Barium, Sediment		130	MG/KG	08/25/11	6010	3051
Beryllium, Sediment	<	2.00	MG/KG	08/25/11	6010	3051
Cadmium, Sediment	<	5.00	MG/KG	08/25/11	6010	3051
Chromium, Sediment		10.2	MG/KG	08/25/11	6010	3051
Copper, Sediment	<	5.00	MG/KG	08/25/11	6010	3051
Lead, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Nickel, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Silver, Sediment	<	5.00	MG/KG	08/25/11	6010	3051
Strontium, Sediment		25.0	MG/KG	08/25/11	6010	3051
Zinc, Sediment		17.2	MG/KG	08/25/11	6010	3051
Antimony, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Selenium, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Thallium, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Mercury, Sediment	<	0.25	MG/KG	09/02/11	7471	3051
% Solids		63.1	%	08/25/11	CLP 5.4	3051

Summary

Labs performing analysis on this Sample:

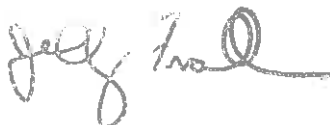
Metals GCMS Gen. Chem.

SOURCE: BEAVER CREEK

SAMPLERS COMMENTS:

SITE # 9

ANALYST'S COMMENTS:



* ANALYST _____

Sample Number: 508322
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1809
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractabi		39.0				
Acenaphthylene	<	390	UG/KG	08/22/11	8270DM	
Acenaphthene	<	390	UG/KG	08/22/11	8270DM	
Anthracene	<	390	UG/KG	08/22/11	8270DM	
Benzo(b)fluoranthene	<	390	UG/KG	08/22/11	8270DM	
Benzo(k)fluoranthene	<	390	UG/KG	08/22/11	8270DM	
Benzo(a)pyrene	<	390	UG/KG	08/22/11	8270DM	
Bis(2-chloroethyl)ether	<	390	UG/KG	08/22/11	8270DM	
Bis(2-chloroethoxy)methane	<	390	UG/KG	08/22/11	8270DM	
Bis(2-chloroisopropyl)ethe	<	390	UG/KG	08/22/11	8270DM	
Butylbenzylphthalate	<	390	UG/KG	08/22/11	8270DM	
Chrysene	<	390	UG/KG	08/22/11	8270DM	
Diethylphthalate	<	390	UG/KG	08/22/11	8270DM	
Dimethylphthalate	<	390	UG/KG	08/22/11	8270DM	
Fluoranthene	<	390	UG/KG	08/22/11	8270DM	
Fluorene	<	390	UG/KG	08/22/11	8270DM	
Hexachlorocyclopentadiene	<	390	UG/KG	08/22/11	8270DM	
Hexachloroethane	<	390	UG/KG	08/22/11	8270DM	
Indeno(123cd)pyrene	<	390	UG/KG	08/22/11	8270DM	
Isophorone	<	390	UG/KG	08/22/11	8270DM	
Nitrosodipropylamine	<	390	UG/KG	08/22/11	8270DM	
Nitrosodiphenylamine	<	390	UG/KG	08/22/11	8270DM	
Naphthalene	<	390	UG/KG	08/22/11	8270DM	
Nitrobenzene	<	390	UG/KG	08/22/11	8270DM	
p-Chloro-m-cresol	<	390	UG/KG	08/22/11	8270DM	
Phenanthrene	<	390	UG/KG	08/22/11	8270DM	
Pyrene	<	390	UG/KG	08/22/11	8270DM	
Benzo(ghi)perylene	<	390	UG/KG	08/22/11	8270DM	
Benzo(a)anthracene	<	390	UG/KG	08/22/11	8270DM	
Dibenzo(ah)anthracene	<	390	UG/KG	08/22/11	8270DM	
2-Chloronaphthalene	<	390	UG/KG	08/22/11	8270DM	
2-Chlorophenol	<	390	UG/KG	08/22/11	8270DM	
2-Nitrophenol	<	390	UG/KG	08/22/11	8270DM	

Sample Number: 508322
 Project Code: CMP-FK
 Agency Number:
 Date Collected: 8/18/2011
 Time Collected: 1809
 Date Received: 8/19/2011
 Date Completed: 08/26/2011
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/26/2011

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: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate	<	390	UG/KG	08/22/11	8270DM	
2,4-Dichlorophenol	<	390	UG/KG	08/22/11	8270DM	
2,4-Dimethylphenol	<	390	UG/KG	08/22/11	8270DM	
2,4-Dinitrotoluene	<	390	UG/KG	08/22/11	8270DM	
2,4-Dinitrophenol	<	2100	UG/KG	08/22/11	8270DM	
2,4,6-Trichlorophenol	<	2100	UG/KG	08/22/11	8270DM	
2,6-Dinitrotoluene	<	390	UG/KG	08/22/11	8270DM	
3,3'-Dichlorobenzidine	<	780	UG/KG	08/22/11	8270DM	
4-Bromophenylphenyl ether	<	390	UG/KG	08/22/11	8270DM	
4-Chlorophenyl phenylether	<	390	UG/KG	08/22/11	8270DM	
4-Nitrophenol	<	2100	UG/KG	08/22/11	8270DM	
4,6-Dinitro-o-cresol	<	2100	UG/KG	08/22/11	8270DM	
Phenol	<	390	UG/KG	08/22/11	8270DM	
Pentachlorophenol	<	2100	UG/KG	08/22/11	8270DM	
Bis(2-ethylhexyl)phthalate	<	390	UG/KG	08/22/11	8270DM	
Di-n-butylphthalate	<	390	UG/KG	08/22/11	8270DM	
Hexachlorobenzene	<	390	UG/KG	08/22/11	8270DM	
Hexachlorobutadiene	<	390	UG/KG	08/22/11	8270DM	
Benzyl alcohol	<	390	UG/KG	08/22/11	8270DM	
Dibenzofuran	<	390	UG/KG	08/22/11	8270DM	
2-Methylphenol	<	390	UG/KG	08/22/11	8270DM	
4-Methylphenol	<	390	UG/KG	08/22/11	8270DM	
2,4,5-Trichlorophenol	<	2100	UG/KG	08/22/11	8270DM	
4-Chloroaniline	<	390	UG/KG	08/22/11	8270DM	
2-Nitroaniline	<	2100	UG/KG	08/22/11	8270DM	
3-Nitroaniline	<	2100	UG/KG	08/22/11	8270DM	
4-Nitroaniline	<	2100	UG/KG	08/22/11	8270DM	
2-Methylnaphthalene	<	390	UG/KG	08/22/11	8270DM	
% Moisture - GC/MS Lab		15.	%	08/22/11	1005 M	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		76
P-TERPHENYL-D14		71

Sample Number: 508322
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1809
Date Received: 8/19/2011
Date Completed: 08/26/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/26/2011

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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		79
2,4,6-TRIBROMOPHENOL		78
2-FLUOROPHENOL		75
NITROBENZENE-D5		76

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
(MJ) CYCLIC OCTAATOMIC SULFUR		360	µG/KG
(MJ) HEPTADECANE		86	µG/KG

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE # 10

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. (MJ) The associated value is an estimated quantity at or below the adjusted lower limit of quantitation for this analysis and reported at the request of the customer.

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* ANALYST

Cassandra Kontas

Sample Number: 508322
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1809
Date Received: 8/19/2011
Date Completed: 08/30/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 8/30/2011

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
DEBBIE NICHOLS/ECLS
BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Chloride (Sed.)		411	MG/KG	08/29/11	325.2M	
Sulfate (Sed.)		353	MG/KG	08/29/11	375.4M	

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE # 10

ANALYST'S COMMENTS:

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* ANALYST

Susan Mensik

Susan Mensik
State Environmental Laboratory

Sample Number: 508322
Project Code: CMP-FK
Agency Number:
Date Collected: 8/18/2011
Time Collected: 1809
Date Received: 8/19/2011
Date Completed: 09/02/2011
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 9/2/2011

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

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BUCK WRAY/ODWC

CC: BRIAN MAGOTT/CSD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Sodium, Sediment	<	1.00	MG/KG	08/25/11	6010	3051
Arsenic, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Barium, Sediment		76.0	MG/KG	08/25/11	6010	3051
Beryllium, Sediment	<	2.00	MG/KG	08/25/11	6010	3051
Cadmium , Sediment	<	5.00	MG/KG	08/25/11	6010	3051
Chromium, Sediment	<	5.00	MG/KG	08/25/11	6010	3051
Copper, Sediment	<	5.00	MG/KG	08/25/11	6010	3051
Lead, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Nickel, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Silver, Sediment	<	5.00	MG/KG	08/25/11	6010	3051
Strontium, Sediment		21.4	MG/KG	08/25/11	6010	3051
Zinc, Sediment	<	5.00	MG/KG	08/25/11	6010	3051
Antimony, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Selenium, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Thallium, Sediment	<	10.0	MG/KG	08/25/11	6010	3051
Mercury, Sediment	<	0.25	MG/KG	09/02/11	7471	3051
% Solids		81.3	%	08/25/11	CLP 5.4	3051

Summary

Labs performing analysis on this Sample:

Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE # 10

ANALYST'S COMMENTS:

* ANALYST 