

Sample Number: 519333
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/12/2012
 Time Collected: 1949
 Date Received: 6/14/2012
 Date Completed: 07/11/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/11/2012

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
 707 N. ROBINSON
 OKLAHOMA CITY
 OKLAHOMA, 73102-6010
 General Inquiries: 1-866-412-3057
 or sels.ok.gov

Report of Analysis by Metals
 EPA Drinking Water Certification #OK00013

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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Calcium, Dissolved		142	MG/L	07/06/12	200.7	
Calcium, Total		140	MG/L	07/06/12	200.7	
Magnesium, Dissolved		67.2	MG/L	07/06/12	200.7	
Magnesium, Total		67.6	MG/L	07/06/12	200.7	
Sodium, Total		616	MG/L	07/06/12	200.7	
Sodium, Dissolved		608	MG/L	07/06/12	200.7	
Potassium, Dissolved		11.0	MG/L	07/06/12	200.7	
Potassium, Total		13.2	MG/L	07/06/12	200.7	
Silica (SiO2), Dissolved		3610	UG/L	07/06/12	200.7	
Silica (SiO2), Total		8170	UG/L	07/06/12	200.7	
Arsenic, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Arsenic, Total	<	10.0	UG/L	07/06/12	200.7	
Barium, Dissolved		155	UG/L	07/06/12	200.7	
Barium, Total		168	UG/L	07/06/12	200.7	
Beryllium, Dissolved	<	2.00	UG/L	07/06/12	200.7	
Beryllium, Total	<	2.00	UG/L	07/06/12	200.7	
Boron, Dissolved		460	UG/L	07/06/12	200.7	
Boron, Total		444	UG/L	07/06/12	200.7	
Cadmium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cadmium, Total	<	5.00	UG/L	07/06/12	200.7	
Chromium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Chromium, Total	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Total	<	5.00	UG/L	07/06/12	200.7	
Copper, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Copper, Total	<	5.00	UG/L	07/06/12	200.7	
Iron, Total		953	UG/L	07/06/12	200.7	
Iron, Dissolved	<	20.0	UG/L	07/06/12	200.7	
Lead, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Lead, Total	<	10.0	UG/L	07/06/12	200.7	
Manganese, Total		134	UG/L	07/06/12	200.7	
Manganese, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Thallium, Dissolved	<	10.0	UG/L	07/06/12	200.7	

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Thallium, Total	<	10.0	UG/L	07/06/12	200.7	
Molybdenum, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Molybdenum, Total	<	5.00	UG/L	07/06/12	200.7	
Nickel, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Nickel, Total	<	10.0	UG/L	07/06/12	200.7	
Silver, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Silver, Total	<	5.00	UG/L	07/06/12	200.7	
Strontium, Dissolved		2220	UG/L	07/06/12	200.7	
Strontium, Total		2250	UG/L	07/06/12	200.7	
Vanadium, Dissolved		26.2	UG/L	07/06/12	200.7	
Zinc, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Zinc, Total	<	5.00	UG/L	07/06/12	200.7	
Antimony, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Antimony, Total	<	10.0	UG/L	07/06/12	200.7	
Tin, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Tin, Total	<	10.0	UG/L	07/06/12	200.7	
Aluminum, Total		909	UG/L	07/06/12	200.7	
Aluminum, Dissolved	<	300	UG/L	07/06/12	200.7	
Selenium, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Selenium, Total	<	10.0	UG/L	07/06/12	200.7	
Titanium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Titanium, Total		17.0	UG/L	07/06/12	200.7	
Vanadium, Total		22.9	UG/L	07/06/12	200.7	
Mercury, Dissolved	OT	0.34	UG/L	07/09/12	200.8	
Mercury, Total	<	0.05	UG/L	07/09/12	200.8	
Filtered Sample				06/14/12		

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

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CC: Ferrella March/LPD

SOURCE: RED RIVER

SAMPLERS COMMENTS:

spec=4,229us;ph=8.54;temp=29.22; PERSISTANT FOAM;SAMPLE#1

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 8.0

ANALYST'S COMMENTS:

(OT) Other - Sample potentially contaminated during sample preparation.

*

* ANALYST _____

Greg Goode

Grag Goode
State Environmental Laboratory

Sample Number: 519333
 Project Code: RR-BLP
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Report of Analysis by GCMS
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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.00				
Acenaphthylene	UJ <	10	UG/L	06/20/12	8270D	
Acenaphthene	UJ <	10	UG/L	06/20/12	8270D	
Anthracene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(b)fluoranthene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(k)fluoranthene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(a)pyrene	UJ <	10	UG/L	06/20/12	8270D	
Bis(2-chloroethyl)ether	UJ <	10	UG/L	06/20/12	8270D	
Bis(2-chloroethoxy)methane	UJ <	10	UG/L	06/20/12	8270D	
Bis(2-chloroisopropyl)ethe	UJ <	10	UG/L	06/20/12	8270D	
Butylbenzylphthalate	UJ <	10	UG/L	06/20/12	8270D	
Chrysene	UJ <	10	UG/L	06/20/12	8270D	
Diethylphthalate	UJ <	10	UG/L	06/20/12	8270D	
Dimethylphthalate	UJ <	10	UG/L	06/20/12	8270D	
Fluoranthene	UJ <	10	UG/L	06/20/12	8270D	
Fluorene	UJ <	10	UG/L	06/20/12	8270D	
Hexachlorocyclopentadiene	UJ <	10	UG/L	06/20/12	8270D	
Hexachloroethane in water	UJ <	10	UG/L	06/20/12	8270D	
Indeno(123cd)pyrene	UJ <	10	UG/L	06/20/12	8270D	
Isophorone	UJ <	10	UG/L	06/20/12	8270D	
Nitrosodipropylamine	UJ <	10	UG/L	06/20/12	8270D	
Nitrosodiphenylamine	UJ <	10	UG/L	06/20/12	8270D	
Nitrobenzene	UJ <	10	UG/L	06/20/12	8270D	
p-Chloro-m-cresol	UJ <	10	UG/L	06/20/12	8270D	
Phenanthrene	UJ <	10	UG/L	06/20/12	8270D	
Pyrene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(ghi)perylene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(a)anthracene	UJ <	10	UG/L	06/20/12	8270D	
Dibenzo(ah)anthracene	UJ <	10	UG/L	06/20/12	8270D	
2-Chloronaphthalene	UJ <	10	UG/L	06/20/12	8270D	
2-Chlorophenol	UJ <	10	UG/L	06/20/12	8270D	
2-Nitrophenol	UJ <	10	UG/L	06/20/12	8270D	
Di-n-octylphthalate	UJ <	10	UG/L	06/20/12	8270D	

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	UJ <	10	UG/L	06/20/12	8270D	
2,4-Dimethylphenol	UJ <	10	UG/L	06/20/12	8270D	
2,4-Dinitrotoluene	UJ <	10	UG/L	06/20/12	8270D	
2,4-Dinitrophenol	UJ <	25	UG/L	06/20/12	8270D	
2,4,6-Trichlorophenol	UJ <	10	UG/L	06/20/12	8270D	
2,6-Dinitrotoluene	UJ <	10	UG/L	06/20/12	8270D	
3,3'-Dichlorobenzidine	UJ <	10	UG/L	06/20/12	8270D	
4-Bromophenylphenyl ether	UJ <	10	UG/L	06/20/12	8270D	
4-Chlorophenyl phenylether	UJ <	10	UG/L	06/20/12	8270D	
4-Nitrophenol	UJ <	25	UG/L	06/20/12	8270D	
4,6-Dinitro-o-cresol	UJ <	25	UG/L	06/20/12	8270D	
Phenol	UJ <	10	UG/L	06/20/12	8270D	
Naphthalene	UJ <	10	UG/L	06/20/12	8270D	
Pentachlorophenol	UJ <	25	UG/L	06/20/12	8270D	
Bis(2-ethylhexyl)phthalate	UJ <	10	UG/L	06/20/12	8270D	
Di-n-butylphthalate	UJ <	10	UG/L	06/20/12	8270D	
Hexachlorobenzene	UJ <	10	UG/L	06/20/12	8270D	
Hexachlorobutadiene	UJ <	10	UG/L	06/20/12	8270D	
Dibenzofuran	UJ <	10	UG/L	06/20/12	8270D	
2-Methylnaphthalene	UJ <	10	UG/L	06/20/12	8270D	
2-Methylphenol	UJ <	10	UG/L	06/20/12	8270D	
4-Methylphenol	UJ <	10	UG/L	06/20/12	8270D	
2,4,5-Trichlorophenol	UJ <	10	UG/L	06/20/12	8270D	
4-Chloroaniline	UJ <	10	UG/L	06/20/12	8270D	
2-Nitroaniline	UJ <	25	UG/L	06/20/12	8270D	
3-Nitroaniline	UJ <	25	UG/L	06/20/12	8270D	
4-Nitroaniline	UJ <	25	UG/L	06/20/12	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		12
NITROBENZENE-D5		34
P-TERPHENYL-D14		55
2-FLUOROBIPHENYL		36

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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		17
2,4,6-TRIBROMOPHENOL		39

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:

spec=4,229us;ph=8.54;temp=29.22; PERSISTANT FOAM;SAMPLE#1

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 8.0

ANALYST'S COMMENTS:

Gel formation present.

Analyst: Cassandra Kontas

At minimum, quality control samples associated with this analysis include: a negative control, a positive control, a field sample fortified with target analytes, and a duplicate. (NU) The analysis indicates no 'tentatively identified' compounds present at equal to or above the reporting limit concentration for this sample and method.

The surrogate recovery for 2,4,6-tribromophenol was outside in-house control limits of 41-139%.

Due to the sample temperature upon receipt being greater than 6°C, target analytes were flagged as "UJ."

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

* ANALYST

Cassandra Kontas

Sample Number: 519334
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Dilution Factor, Extractab:		1.00				
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Acenaphthene	UJ <	10	UG/L	06/20/12	8270D	
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2,4-Dimethylphenol	UJ <	10	UG/L	06/20/12	8270D	
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2,4-Dinitrophenol	UJ <	25	UG/L	06/20/12	8270D	
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2-Methylphenol	UJ <	10	UG/L	06/20/12	8270D	
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2,4,5-Trichlorophenol	UJ <	10	UG/L	06/20/12	8270D	
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2-Nitroaniline	UJ <	25	UG/L	06/20/12	8270D	
3-Nitroaniline	UJ <	25	UG/L	06/20/12	8270D	
4-Nitroaniline	UJ <	25	UG/L	06/20/12	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		24
2-FLUOROBIPHENYL		25
2,4,6-TRIBROMOPHENOL		34
2-FLUOROPHENOL		14

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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
P-TERPHENYL-D14		46
PHENOL-D5		11

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NU			

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

PH=8.41;SPEC= 5,990US;TEMP=27.0;SAMPLE#2

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 7.4

ANALYST'S COMMENTS:

No gel formation present.

Analyst: Cassandra Kontas

At minimum, quality control samples associated with this analysis include: a negative control, a positive control, a field sample fortified with target analytes, and a duplicate. (NU) The analysis indicates no 'tentatively identified' compounds present at equal to or above the reporting limit concentration for this sample and method. The surrogate recovery for 2,4,6-tribromophenol was outside in-house control limits of 41-139%.

Due to the sample temperature upon receipt being greater than 6°C, target analytes were flagged as "UJ."

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

* ANALYST

Cassandra Kontas

Sample Number: 519334
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/12/2012
 Time Collected: 2148
 Date Received: 6/14/2012
 Date Completed: 07/11/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/11/2012

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
 707 N. ROBINSON
 OKLAHOMA CITY
 OKLAHOMA, 73102-6010
 General Inquiries: 1-866-412-3057
 or sels.ok.gov

Report of Analysis by Metals

EPA Drinking Water Certification #OK00013

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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Calcium, Dissolved		164	MG/L	07/06/12	200.7	
Calcium, Total		164	MG/L	07/06/12	200.7	
Magnesium, Dissolved		74.7	MG/L	07/06/12	200.7	
Magnesium, Total		74.1	MG/L	07/06/12	200.7	
Sodium, Total		874	MG/L	07/06/12	200.7	
Sodium, Dissolved		887	MG/L	07/06/12	200.7	
Potassium, Dissolved		14.0	MG/L	07/06/12	200.7	
Potassium, Total		15.0	MG/L	07/06/12	200.7	
Silica (SiO2), Dissolved		1550	UG/L	07/06/12	200.7	
Silica (SiO2), Total		9710	UG/L	07/06/12	200.7	
Arsenic, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Arsenic, Total	<	10.0	UG/L	07/06/12	200.7	
Barium, Dissolved		150	UG/L	07/06/12	200.7	
Barium, Total		166	UG/L	07/06/12	200.7	
Beryllium, Dissolved	<	2.00	UG/L	07/06/12	200.7	
Beryllium, Total	<	2.00	UG/L	07/06/12	200.7	
Boron, Dissolved		474	UG/L	07/06/12	200.7	
Boron, Total		456	UG/L	07/06/12	200.7	
Cadmium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cadmium, Total	<	5.00	UG/L	07/06/12	200.7	
Chromium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Chromium, Total	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Total	<	5.00	UG/L	07/06/12	200.7	
Copper, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Copper, Total	<	5.00	UG/L	07/06/12	200.7	
Iron, Total		1380	UG/L	07/06/12	200.7	
Iron, Dissolved	<	20.0	UG/L	07/06/12	200.7	
Lead, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Lead, Total	<	10.0	UG/L	07/06/12	200.7	
Manganese, Total		77.2	UG/L	07/06/12	200.7	
Manganese, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Thallium, Dissolved	<	10.0	UG/L	07/06/12	200.7	

Sample Number: 519334
 Project Code: RR-BLP
 Agency Number:
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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Thallium, Total	<	10.0	UG/L	07/06/12	200.7	
Molybdenum, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Molybdenum, Total	<	5.00	UG/L	07/06/12	200.7	
Nickel, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Nickel, Total	<	10.0	UG/L	07/06/12	200.7	
Silver, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Silver, Total	<	5.00	UG/L	07/06/12	200.7	
Strontium, Dissolved		2390	UG/L	07/06/12	200.7	
Strontium, Total		2380	UG/L	07/06/12	200.7	
Vanadium, Dissolved		29.5	UG/L	07/06/12	200.7	
Zinc, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Zinc, Total		5.04	UG/L	07/06/12	200.7	
Antimony, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Antimony, Total	<	10.0	UG/L	07/06/12	200.7	
Tin, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Tin, Total	<	10.0	UG/L	07/06/12	200.7	
Aluminum, Total		1520	UG/L	07/06/12	200.7	
Aluminum, Dissolved	<	300	UG/L	07/06/12	200.7	
Selenium, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Selenium, Total	<	10.0	UG/L	07/06/12	200.7	
Titanium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Titanium, Total		22.7	UG/L	07/06/12	200.7	
Vanadium, Total		28.3	UG/L	07/06/12	200.7	
Mercury, Dissolved	OT	0.14	UG/L	07/09/12	200.8	
Mercury, Total	<	0.05	UG/L	07/09/12	200.8	
Filtered Sample				06/14/12		

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

Sample Number: 519334
Project Code: RR-BLP
Agency Number:
Date Collected: 6/12/2012
Time Collected: 2148
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General Inquiries: 1-866-412-3057
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Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

SOURCE: RED RIVER

SAMPLERS COMMENTS:

PH=8.41;SPEC= 5,990US;TEMP=27.0;SAMPLE#2

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 7.4

ANALYST'S COMMENTS:

(OT) Other - Sample potentially contaminated during sample preparation.

* ANALYST _____

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 519335
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1212
 Date Received: 6/14/2012
 Date Completed: 06/26/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/26/2012

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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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.00				
Acenaphthylene	UJ <	10	UG/L	06/20/12	8270D	
Acenaphthene	UJ <	10	UG/L	06/20/12	8270D	
Anthracene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(b)fluoranthene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(k)fluoranthene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(a)pyrene	UJ <	10	UG/L	06/20/12	8270D	
Bis(2-chloroethyl)ether	UJ <	10	UG/L	06/20/12	8270D	
Bis(2-chloroethoxy)methane	UJ <	10	UG/L	06/20/12	8270D	
Bis(2-chloroisopropyl)ethe	UJ <	10	UG/L	06/20/12	8270D	
Butylbenzylphthalate	UJ <	10	UG/L	06/20/12	8270D	
Chrysene	UJ <	10	UG/L	06/20/12	8270D	
Diethylphthalate	UJ <	10	UG/L	06/20/12	8270D	
Dimethylphthalate	UJ <	10	UG/L	06/20/12	8270D	
Fluoranthene	UJ <	10	UG/L	06/20/12	8270D	
Fluorene	UJ <	10	UG/L	06/20/12	8270D	
Hexachlorocyclopentadiene	UJ <	10	UG/L	06/20/12	8270D	
Hexachloroethane in water	UJ <	10	UG/L	06/20/12	8270D	
Indeno(123cd)pyrene	UJ <	10	UG/L	06/20/12	8270D	
Isophorone	UJ <	10	UG/L	06/20/12	8270D	
Nitrosodipropylamine	UJ <	10	UG/L	06/20/12	8270D	
Nitrosodiphenylamine	UJ <	10	UG/L	06/20/12	8270D	
Nitrobenzene	UJ <	10	UG/L	06/20/12	8270D	
p-Chloro-m-cresol	UJ <	10	UG/L	06/20/12	8270D	
Phenanthrene	UJ <	10	UG/L	06/20/12	8270D	
Pyrene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(ghi)perylene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(a)anthracene	UJ <	10	UG/L	06/20/12	8270D	
Dibenzo(ah)anthracene	UJ <	10	UG/L	06/20/12	8270D	
2-Chloronaphthalene	UJ <	10	UG/L	06/20/12	8270D	
2-Chlorophenol	UJ <	10	UG/L	06/20/12	8270D	
2-Nitrophenol	UJ <	10	UG/L	06/20/12	8270D	
Di-n-octylphthalate	UJ <	10	UG/L	06/20/12	8270D	

Sample Number: 519335
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1212
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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	UJ <	10	UG/L	06/20/12	8270D	
2,4-Dimethylphenol	UJ <	10	UG/L	06/20/12	8270D	
2,4-Dinitrotoluene	UJ <	10	UG/L	06/20/12	8270D	
2,4-Dinitrophenol	UJ <	25	UG/L	06/20/12	8270D	
2,4,6-Trichlorophenol	UJ <	10	UG/L	06/20/12	8270D	
2,6-Dinitrotoluene	UJ <	10	UG/L	06/20/12	8270D	
3,3'-Dichlorobenzidine	UJ <	10	UG/L	06/20/12	8270D	
4-Bromophenylphenyl ether	UJ <	10	UG/L	06/20/12	8270D	
4-Chlorophenyl phenylether	UJ <	10	UG/L	06/20/12	8270D	
4-Nitrophenol	UJ <	25	UG/L	06/20/12	8270D	
4,6-Dinitro-o-cresol	UJ <	25	UG/L	06/20/12	8270D	
Phenol	UJ <	10	UG/L	06/20/12	8270D	
Naphthalene	UJ <	10	UG/L	06/20/12	8270D	
Pentachlorophenol	UJ <	25	UG/L	06/20/12	8270D	
Bis(2-ethylhexyl)phthalate	UJ <	10	UG/L	06/20/12	8270D	
Di-n-butylphthalate	UJ <	10	UG/L	06/20/12	8270D	
Hexachlorobenzene	UJ <	10	UG/L	06/20/12	8270D	
Hexachlorobutadiene	UJ <	10	UG/L	06/20/12	8270D	
Dibenzofuran	UJ <	10	UG/L	06/20/12	8270D	
2-Methylnaphthalene	UJ <	10	UG/L	06/20/12	8270D	
2-Methylphenol	UJ <	10	UG/L	06/20/12	8270D	
4-Methylphenol	UJ <	10	UG/L	06/20/12	8270D	
2,4,5-Trichlorophenol	UJ <	10	UG/L	06/20/12	8270D	
4-Chloroaniline	UJ <	10	UG/L	06/20/12	8270D	
2-Nitroaniline	UJ <	25	UG/L	06/20/12	8270D	
3-Nitroaniline	UJ <	25	UG/L	06/20/12	8270D	
4-Nitroaniline	UJ <	25	UG/L	06/20/12	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		21
2-FLUOROBIPHENYL		40
P-TERPHENYL-D14		65
NITROBENZENE-D5		37

Sample Number: 519335
Project Code: RR-BLP
Agency Number:
Date Collected: 6/13/2012
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EPA Drinking Water Certification #OK00013

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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2, 4, 6-TRIBROMOPHENOL		52
PHENOL-D5		15

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NU			

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED CREEK

SAMPLERS COMMENTS:

DO=5.36;PH=7.90;SPEC= 4,808;TEMP=27.23; SAMPLE # 3

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 7.3

ANALYST'S COMMENTS:

No gel formation present.

Analyst: Cassandra Kontas

At minimum, quality control samples associated with this analysis include: a negative control, a positive control, a field sample fortified with target analytes, and a duplicate. (NU) The analysis indicates no 'tentatively identified' compounds present at equal to or above the reporting limit concentration for this sample and method. as outside in-house control limits of 41-139%.

Due to the sample temperature upon receipt being greater than 6°C, target analytes were flagged as "UJ."

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

* ANALYST

Cassandra Kontas

Sample Number: 519335
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1212
 Date Received: 6/14/2012
 Date Completed: 07/11/2012
 Collected By: BM
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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Calcium, Dissolved		158	MG/L	07/06/12	200.7	
Calcium, Total		157	MG/L	07/06/12	200.7	
Magnesium, Dissolved		78.5	MG/L	07/06/12	200.7	
Magnesium, Total		78.9	MG/L	07/06/12	200.7	
Sodium, Total		651	MG/L	07/06/12	200.7	
Sodium, Dissolved		649	MG/L	07/06/12	200.7	
Potassium, Dissolved		10.9	MG/L	07/06/12	200.7	
Potassium, Total		13.0	MG/L	07/06/12	200.7	
Silica (SiO2), Dissolved		6680	UG/L	07/06/12	200.7	
Silica (SiO2), Total		11900	UG/L	07/06/12	200.7	
Arsenic, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Arsenic, Total	<	10.0	UG/L	07/06/12	200.7	
Barium, Dissolved		377	UG/L	07/06/12	200.7	
Barium, Total		422	UG/L	07/06/12	200.7	
Beryllium, Dissolved	<	2.00	UG/L	07/06/12	200.7	
Beryllium, Total	<	2.00	UG/L	07/06/12	200.7	
Boron, Dissolved		301	UG/L	07/06/12	200.7	
Boron, Total		285	UG/L	07/06/12	200.7	
Cadmium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cadmium, Total	<	5.00	UG/L	07/06/12	200.7	
Chromium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Chromium, Total	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Total	<	5.00	UG/L	07/06/12	200.7	
Copper, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Copper, Total		7.58	UG/L	07/06/12	200.7	
Iron, Total		1120	UG/L	07/06/12	200.7	
Iron, Dissolved	<	20.0	UG/L	07/06/12	200.7	
Lead, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Lead, Total	<	10.0	UG/L	07/06/12	200.7	
Manganese, Total		306	UG/L	07/06/12	200.7	
Manganese, Dissolved		10.9	UG/L	07/06/12	200.7	
Thallium, Dissolved	<	10.0	UG/L	07/06/12	200.7	

Sample Number: 519335
 Project Code: RR-BLP
 Agency Number:
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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Thallium, Total	<	10.0	UG/L	07/06/12	200.7	
Molybdenum, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Molybdenum, Total	<	5.00	UG/L	07/06/12	200.7	
Nickel, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Nickel, Total	<	10.0	UG/L	07/06/12	200.7	
Silver, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Silver, Total	<	5.00	UG/L	07/06/12	200.7	
Strontium, Dissolved		2710	UG/L	07/06/12	200.7	
Strontium, Total		2730	UG/L	07/06/12	200.7	
Vanadium, Dissolved		29.8	UG/L	07/06/12	200.7	
Zinc, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Zinc, Total		5.12	UG/L	07/06/12	200.7	
Antimony, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Antimony, Total	<	10.0	UG/L	07/06/12	200.7	
Tin, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Tin, Total	<	10.0	UG/L	07/06/12	200.7	
Aluminum, Total		1130	UG/L	07/06/12	200.7	
Aluminum, Dissolved	<	300	UG/L	07/06/12	200.7	
Selenium, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Selenium, Total	<	10.0	UG/L	07/06/12	200.7	
Titanium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Titanium, Total		19.5	UG/L	07/06/12	200.7	
Vanadium, Total		28.1	UG/L	07/06/12	200.7	
Mercury, Dissolved	OT	0.09	UG/L	07/09/12	200.8	
Mercury, Total	<	0.05	UG/L	07/09/12	200.8	
Filtered Sample				06/14/12		

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

Sample Number: 519335
Project Code: RR-BLP
Agency Number:
Date Collected: 6/13/2012
Time Collected: 1212
Date Received: 6/14/2012
Date Completed: 07/11/2012
Collected By: BM
PWS Id:
Location Code:
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Report Date: 7/11/2012

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Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

SOURCE: RED CREEK

SAMPLERS COMMENTS:

DO=5.36;PH=7.90;SPEC= 4,808;TEMP=27.23; SAMPLE # 3

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 7.3

ANALYST'S COMMENTS:

(OT) Other - Sample potentially contaminated during sample preparation.

* ANALYST _____

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 519336
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1843
 Date Received: 6/14/2012
 Date Completed: 06/26/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/26/2012

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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.00				
Acenaphthylene	UJ <	10	UG/L	06/20/12	8270D	
Acenaphthene	UJ <	10	UG/L	06/20/12	8270D	
Anthracene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(b)fluoranthene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(k)fluoranthene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(a)pyrene	UJ <	10	UG/L	06/20/12	8270D	
Bis(2-chloroethyl)ether	UJ <	10	UG/L	06/20/12	8270D	
Bis(2-chloroethoxy)methane	UJ <	10	UG/L	06/20/12	8270D	
Bis(2-chloroisopropyl)ethe:	UJ <	10	UG/L	06/20/12	8270D	
Butylbenzylphthalate	UJ <	10	UG/L	06/20/12	8270D	
Chrysene	UJ,MI <	10	UG/L	06/20/12	8270D	
Diethylphthalate	UJ <	10	UG/L	06/20/12	8270D	
Dimethylphthalate	UJ <	10	UG/L	06/20/12	8270D	
Fluoranthene	UJ <	10	UG/L	06/20/12	8270D	
Fluorene	UJ <	10	UG/L	06/20/12	8270D	
Hexachlorocyclopentadiene	UJ <	10	UG/L	06/20/12	8270D	
Hexachloroethane in water	UJ <	10	UG/L	06/20/12	8270D	
Indeno(123cd)pyrene	UJ <	10	UG/L	06/20/12	8270D	
Isophorone	UJ <	10	UG/L	06/20/12	8270D	
Nitrosodipropylamine	UJ <	10	UG/L	06/20/12	8270D	
Nitrosodiphenylamine	UJ <	10	UG/L	06/20/12	8270D	
Nitrobenzene	UJ <	10	UG/L	06/20/12	8270D	
p-Chloro-m-cresol	UJ <	10	UG/L	06/20/12	8270D	
Phenanthrene	UJ <	10	UG/L	06/20/12	8270D	
Pyrene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(ghi)perylene	UJ <	10	UG/L	06/20/12	8270D	
Benzo(a)anthracene	UJ,MI <	10	UG/L	06/20/12	8270D	
Dibenzo(ah)anthracene	UJ <	10	UG/L	06/20/12	8270D	
2-Chloronaphthalene	UJ <	10	UG/L	06/20/12	8270D	
2-Chlorophenol	UJ <	10	UG/L	06/20/12	8270D	
2-Nitrophenol	UJ <	10	UG/L	06/20/12	8270D	
Di-n-octylphthalate	UJ <	10	UG/L	06/20/12	8270D	

Sample Number: 519336
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1843
 Date Received: 6/14/2012
 Date Completed: 06/26/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/26/2012

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

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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	UJ <	10	UG/L	06/20/12	8270D	
2,4-Dimethylphenol	UJ <	10	UG/L	06/20/12	8270D	
2,4-Dinitrotoluene	UJ <	10	UG/L	06/20/12	8270D	
2,4-Dinitrophenol	UJ <	25	UG/L	06/20/12	8270D	
2,4,6-Trichlorophenol	UJ <	10	UG/L	06/20/12	8270D	
2,6-Dinitrotoluene	UJ <	10	UG/L	06/20/12	8270D	
3,3'-Dichlorobenzidine	UJ <	10	UG/L	06/20/12	8270D	
4-Bromophenylphenyl ether	UJ <	10	UG/L	06/20/12	8270D	
4-Chlorophenyl phenylether	UJ <	10	UG/L	06/20/12	8270D	
4-Nitrophenol	UJ <	25	UG/L	06/20/12	8270D	
4,6-Dinitro-o-cresol	UJ <	25	UG/L	06/20/12	8270D	
Phenol	UJ <	10	UG/L	06/20/12	8270D	
Naphthalene	UJ <	10	UG/L	06/20/12	8270D	
Pentachlorophenol	UJ <	25	UG/L	06/20/12	8270D	
Bis(2-ethylhexyl)phthalate	UJ <	10	UG/L	06/20/12	8270D	
Di-n-butylphthalate	UJ <	10	UG/L	06/20/12	8270D	
Hexachlorobenzene	UJ <	10	UG/L	06/20/12	8270D	
Hexachlorobutadiene	UJ <	10	UG/L	06/20/12	8270D	
Dibenzofuran	UJ <	10	UG/L	06/20/12	8270D	
2-Methylnaphthalene	UJ <	10	UG/L	06/20/12	8270D	
2-Methylphenol	UJ <	10	UG/L	06/20/12	8270D	
4-Methylphenol	UJ <	10	UG/L	06/20/12	8270D	
2,4,5-Trichlorophenol	UJ <	10	UG/L	06/20/12	8270D	
1-Chloroaniline	UJ <	10	UG/L	06/20/12	8270D	
1-Nitroaniline	UJ <	25	UG/L	06/20/12	8270D	
1-Nitroaniline	UJ <	25	UG/L	06/20/12	8270D	
1-Nitroaniline	UJ <	25	UG/L	06/20/12	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
-TERPHENYL-D14		49
-FLUOROBIPHENYL		28
ITROBENZENE-D5		28
HENOL-D5		12

Sample Number: 519336
Project Code: RR-BLP
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CC: Ferrella March/LPD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		18
2,4,6-TRIBROMOPHENOL		39

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NU			

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

TOP PH=8.67;SPEC=5,718;TEMP=29.68;BOTTOM PH=8.67;SPEC=5,718;TEMP=29.69

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 12.8

ANALYST'S COMMENTS:

Gel formation present.

Analyst: Cassandra Kontas

At minimum, quality control samples associated with this analysis include: a negative control, a positive control, a field sample fortified with target analytes, and a duplicate. (NU) The analysis indicates no 'tentatively identified' compounds present at equal to or above the reporting limit concentration for this sample and method. The surrogate recovery for 2,4,6-tribromophenol was outside in-house control limits of 41-139%.

Due to the sample temperature upon receipt being greater than 6°C, target analytes were flagged as "UJ."

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

(MI) Matrix interference; components of the sample other than the analyte may have affected the accuracy or precision of the associated numerical value that represents the concentration of the analyte in this sample analysis.

* ANALYST

Cassandra Kontas

Sample Number: 519336
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1843
 Date Received: 6/14/2012
 Date Completed: 07/11/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/11/2012

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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Calcium, Dissolved		163	MG/L	07/06/12	200.7	
Calcium, Total		162	MG/L	07/06/12	200.7	
Magnesium, Dissolved		72.1	MG/L	07/06/12	200.7	
Magnesium, Total		72.2	MG/L	07/06/12	200.7	
Sodium, Total		844	MG/L	07/06/12	200.7	
Sodium, Dissolved		847	MG/L	07/06/12	200.7	
Potassium, Dissolved		13.7	MG/L	07/06/12	200.7	
Potassium, Total		14.9	MG/L	07/06/12	200.7	
Silica (SiO2), Dissolved		1780	UG/L	07/06/12	200.7	
Silica (SiO2), Total		6860	UG/L	07/06/12	200.7	
Arsenic, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Arsenic, Total	<	10.0	UG/L	07/06/12	200.7	
Barium, Dissolved		156	UG/L	07/06/12	200.7	
Barium, Total		167	UG/L	07/06/12	200.7	
Beryllium, Dissolved	<	2.00	UG/L	07/06/12	200.7	
Beryllium, Total	<	2.00	UG/L	07/06/12	200.7	
Boron, Dissolved		468	UG/L	07/06/12	200.7	
Boron, Total		459	UG/L	07/06/12	200.7	
Cadmium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cadmium, Total	<	5.00	UG/L	07/06/12	200.7	
Chromium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Chromium, Total	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Total	<	5.00	UG/L	07/06/12	200.7	
Copper, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Copper, Total		5.79	UG/L	07/06/12	200.7	
Iron, Total		927	UG/L	07/06/12	200.7	
Iron, Dissolved	<	20.0	UG/L	07/06/12	200.7	
Lead, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Lead, Total	<	10.0	UG/L	07/06/12	200.7	
Manganese, Total		65.1	UG/L	07/06/12	200.7	
Manganese, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Thallium, Dissolved	<	10.0	UG/L	07/06/12	200.7	

Sample Number: 519336
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1843
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 PWS Id:
 Location Code:
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 Report Date: 7/11/2012

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Report of Analysis by Metals
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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Thallium, Total	<	10.0	UG/L	07/06/12	200.7	
Molybdenum, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Molybdenum, Total	<	5.00	UG/L	07/06/12	200.7	
Nickel, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Nickel, Total	<	10.0	UG/L	07/06/12	200.7	
Silver, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Silver, Total	<	5.00	UG/L	07/06/12	200.7	
Strontium, Dissolved		2350	UG/L	07/06/12	200.7	
Strontium, Total		2410	UG/L	07/06/12	200.7	
Vanadium, Dissolved		32.6	UG/L	07/06/12	200.7	
Zinc, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Zinc, Total	<	5.00	UG/L	07/06/12	200.7	
Antimony, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Antimony, Total	<	10.0	UG/L	07/06/12	200.7	
Tin, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Tin, Total	<	10.0	UG/L	07/06/12	200.7	
Aluminum, Total		1020	UG/L	07/06/12	200.7	
Aluminum, Dissolved	<	300	UG/L	07/06/12	200.7	
Selenium, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Selenium, Total	<	10.0	UG/L	07/06/12	200.7	
Titanium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Titanium, Total		15.7	UG/L	07/06/12	200.7	
Vanadium, Total		30.0	UG/L	07/06/12	200.7	
Mercury, Dissolved	OT	0.06	UG/L	07/09/12	200.8	
Mercury, Total	<	0.05	UG/L	07/09/12	200.8	
Filtered Sample				06/14/12		

Summary

Labs performing analysis on this Sample:

Rad. Chem. Metals GCMS Gen. Chem.

Sample Number: 519336
Project Code: RR-BLP
Agency Number:
Date Collected: 6/13/2012
Time Collected: 1843
Date Received: 6/14/2012
Date Completed: 07/11/2012
Collected By: BM
PWS Id:
Location Code:
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Facility:
Report Date: 7/11/2012

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Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

SOURCE: RED RIVER

SAMPLERS COMMENTS:

TOP PH=8.67;SPEC=5,718;TEMP=29.68;BOTTOM PH=8.67;SPEC=5,718;TEMP=29.69

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 12.8

ANALYST'S COMMENTS:

(OT) Other - Sample potentially contaminated during sample preparation.

* * ANALYST _____

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 519337
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/12/2012
 Time Collected: 1949
 Date Received: 6/14/2012
 Date Completed: 06/20/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/20/2012

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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 OKLAHOMA, 73102-6010
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 Sample Receiving: (405) 702-1113
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 EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.0		06/15/12		
Bromodichloromethane	<	10.0	UG/L	06/15/12	8260CM	
Carbon tetrachloride	<	10.0	UG/L	06/15/12	8260CM	
Bromoform	<	10.0	UG/L	06/15/12	8260CM	
Chloroform	<	10.0	UG/L	06/15/12	8260CM	
Toluene	<	10.0	UG/L	06/15/12	8260CM	
Benzene	<	10.0	UG/L	06/15/12	8260CM	
Chlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
Dibromochloromethane	<	10.0	UG/L	06/15/12	8260CM	
Chloroethane	<	10.0	UG/L	06/15/12	8260CM	
Ethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
Hexachlorobutadiene	<	10.0	UG/L	06/15/12	8260CM	
Bromomethane	<	10.0	UG/L	06/15/12	8260CM	
Chloromethane	J <	10.0	UG/L	06/15/12	8260CM	
Methylene chloride	<	10.0	UG/L	06/15/12	8260CM	
Tetrachloroethene	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
1,1,1-Trichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1,2-Trichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1,2,2-Tetrachloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
trans-1,2-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
naphthalene	<	10.0	UG/L	06/15/12	8260CM	
trans-1,3-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
cis-1,3-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
p-Chlorotoluene	<	10.0	ug/L	06/15/12	8260CM	
Vinyl chloride	<	10.0	UG/L	06/15/12	8260CM	
Trichloroethene	<	10.0	UG/L	06/15/12	8260CM	
Butanone	<	10.0	ug/L	06/15/12	8260CM	
Carbon disulfide in water	<	10.0	ug/L	06/15/12	8260CM	
Hexanone	<	10.0	UG/L	06/15/12	8260CM	

Sample Number: 519337
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/12/2012
 Time Collected: 1949
 Date Received: 6/14/2012
 Date Completed: 06/20/2012
 Collected By: EM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/20/2012

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Styrene	<	10.0	UG/L	06/15/12	8260CM	
o-Xylene	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
2,2-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,3-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,2,4 Trimethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
n-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,3,5-Trimethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
4-Chlorotoluene	<	10.0	UG/L	06/15/12	8260CM	
sec-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
p-Isopropyltoluene	<	10.0	UG/L	06/15/12	8260CM	
1,2,3-Trichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,1,1,2-Tetrachloroethane	<	10.0	UG/L	06/15/12	8260CM	
Dibromomethane (MDB)	<	10.0	UG/L	06/15/12	8260CM	
n-Propylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2,3-Trichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
4-Methyl-2-pentanone	<	10.0	ug/L	06/15/12	8260CM	
Total Xylenes	<	20.0	UG/L	06/15/12	8260CM	
Acetone	<	10.0	UG/L	06/15/12	8260CM	
Bromobenzene	<	10.0	UG/L	06/15/12	8260CM	
m & p Xylene	<	20.0	UG/L	06/15/12	8260CM	
tert-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
Bromochloromethane	<	10.0	UG/L	06/15/12	8260CM	
Dichlorodifluoromethane	J <	10.0	UG/L	06/15/12	8260CM	
Trichlorofluoromethane	<	10.0	UG/L	06/15/12	8260CM	
Methyl tert-butyl ether (MTBE)	<	10.0	UG/L	06/15/12	8260CM	
cis-1,2-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
Cyclohexane	<	10.0	UG/L	06/15/12	8260CM	
Methylcyclohexane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dibromoethane	<	10.0	UG/L	06/15/12	8260CM	
Isopropylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,3-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	

Sample Number: 519337
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/12/2012
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 Date Received: 6/14/2012
 Date Completed: 06/20/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/20/2012

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To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
1,4-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dibromo-3-chloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,2,4-Trichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,4-Dioxane	<	100.0	UG/L	06/15/12	8260CM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
4-BROMOFLUOROBENZENE		93
1,2-DICHLOROBENZENE-D4		103
MTBE-D3		101

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NOT ANALYZED

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:

spec=4,229;ph=8.54;temp=29.22; persistant foam;SAMPLE#1

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 8.0

ANALYST'S COMMENTS:

Heather Rhoads (8260CM), Olivia Pierce (8260CM), (TE) Sample temperature at receipt exceeds EPA maximum of 6 degrees Celsius. (J) The associated value is an estimated quantity due to (QCF) Quality Control failure.

* ANALYST 

Sample Number: 519338
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/12/2012
 Time Collected: 2148
 Date Received: 6/14/2012
 Date Completed: 06/20/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/20/2012

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: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.0		06/15/12		
Bromodichloromethane	<	10.0	UG/L	06/15/12	8260CM	
Carbon tetrachloride	<	10.0	UG/L	06/15/12	8260CM	
Bromoform	<	10.0	UG/L	06/15/12	8260CM	
Chloroform	<	10.0	UG/L	06/15/12	8260CM	
Toluene	<	10.0	UG/L	06/15/12	8260CM	
Benzene	<	10.0	UG/L	06/15/12	8260CM	
Chlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
Dibromochloromethane	<	10.0	UG/L	06/15/12	8260CM	
Chloroethane	<	10.0	UG/L	06/15/12	8260CM	
Ethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
Hexachlorobutadiene	<	10.0	UG/L	06/15/12	8260CM	
Bromomethane	<	10.0	UG/L	06/15/12	8260CM	
Chloromethane	J <	10.0	UG/L	06/15/12	8260CM	
Methylene chloride	<	10.0	UG/L	06/15/12	8260CM	
Tetrachloroethene	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
1,1,1-Trichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1,2-Trichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1,2,2-Tetrachloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
trans-1,2-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
Naphthalene	<	10.0	UG/L	06/15/12	8260CM	
trans-1,3-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
cis-1,3-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
2-Chlorotoluene	<	10.0	ug/L	06/15/12	8260CM	
Vinyl chloride	<	10.0	UG/L	06/15/12	8260CM	
Trichloroethene	<	10.0	UG/L	06/15/12	8260CM	
2-Butanone	<	10.0	ug/L	06/15/12	8260CM	
Carbon disulfide in water	<	10.0	ug/L	06/15/12	8260CM	
2-Hexanone	<	10.0	UG/L	06/15/12	8260CM	

Sample Number: 519338
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/12/2012
 Time Collected: 2148
 Date Received: 6/14/2012
 Date Completed: 06/20/2012
 Collected By: BM
 PWS Id:
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 Report Date: 6/20/2012

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 EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Styrene	<	10.0	UG/L	06/15/12	8260CM	
o-Xylene	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
2,2-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,3-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,2,4 Trimethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
n-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,3,5-Trimethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
4-Chlorotoluene	<	10.0	UG/L	06/15/12	8260CM	
sec-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
p-Isopropyltoluene	<	10.0	UG/L	06/15/12	8260CM	
1,2,3-Trichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,1,1,2-Tetrachloroethane	<	10.0	UG/L	06/15/12	8260CM	
Dibromomethane (MDB)	<	10.0	UG/L	06/15/12	8260CM	
n-Propylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2,3-Trichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
4-Methyl-2-pentanone	<	10.0	ug/L	06/15/12	8260CM	
Total Xylenes	<	20.0	UG/L	06/15/12	8260CM	
Acetone	<	10.0	UG/L	06/15/12	8260CM	
Bromobenzene	<	10.0	UG/L	06/15/12	8260CM	
m & p Xylene	<	20.0	UG/L	06/15/12	8260CM	
tert-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
Bromochloromethane	<	10.0	UG/L	06/15/12	8260CM	
Dichlorodifluoromethane	J <	10.0	UG/L	06/15/12	8260CM	
Trichlorofluoromethane	<	10.0	UG/L	06/15/12	8260CM	
Methyl tert-butyl ether (MTBE)	<	10.0	UG/L	06/15/12	8260CM	
cis-1,2-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
Cyclohexane	<	10.0	UG/L	06/15/12	8260CM	
Methylcyclohexane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dibromoethane	<	10.0	UG/L	06/15/12	8260CM	
Isopropylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,3-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	

Sample Number: 519338
Project Code: RR-BLP
Agency Number:
Date Collected: 6/12/2012
Time Collected: 2148
Date Received: 6/14/2012
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OKLAHOMA CITY
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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
1,4-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dibromo-3-chloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,2,4-Trichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,4-Dioxane	<	100.0	UG/L	06/15/12	8260CM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
4-BROMOFLUOROBENZENE		93
1,2-DICHLOROBENZENE-D4		102
MTBE-D3		92

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NOT ANALYZED

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SPEC=5,990; PH= 8.41; TEMP= 27.0; SAMPLE#2

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 7.4

ANALYST'S COMMENTS:

Heather Rhoads (8260CM), Olivia Pierce (8260CM), (TE) Sample temperature at receipt exceeds EPA maximum of 6 degrees Celsius. (J) The associated value is an estimated quantity due to (QCF) Quality Control failure.

*

* ANALYST

Heather Rhoads

Sample Number: 519339
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1212
 Date Received: 6/14/2012
 Date Completed: 06/20/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/20/2012

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: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.0		06/15/12		
Bromodichloromethane	<	10.0	UG/L	06/15/12	8260CM	
Carbon tetrachloride	<	10.0	UG/L	06/15/12	8260CM	
Bromoform	<	10.0	UG/L	06/15/12	8260CM	
Chloroform	<	10.0	UG/L	06/15/12	8260CM	
Toluene	<	10.0	UG/L	06/15/12	8260CM	
Benzene	<	10.0	UG/L	06/15/12	8260CM	
Chlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
Dibromochloromethane	<	10.0	UG/L	06/15/12	8260CM	
Chloroethane	<	10.0	UG/L	06/15/12	8260CM	
Ethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
Hexachlorobutadiene	<	10.0	UG/L	06/15/12	8260CM	
Bromomethane	<	10.0	UG/L	06/15/12	8260CM	
Chloromethane	J <	10.0	UG/L	06/15/12	8260CM	
Methylene chloride	<	10.0	UG/L	06/15/12	8260CM	
Tetrachloroethene	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
1,1,1-Trichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1,2-Trichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1,2,2-Tetrachloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
trans-1,2-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
Naphthalene			UG/L		8260CM	
trans-1,3-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
cis-1,3-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
2-Chlorotoluene	<	10.0	ug/L	06/15/12	8260CM	
Vinyl chloride	<	10.0	UG/L	06/15/12	8260CM	
Trichloroethene	<	10.0	UG/L	06/15/12	8260CM	
2-Butanone	<	10.0	ug/L	06/15/12	8260CM	
Carbon disulfide in water	<	10.0	ug/L	06/15/12	8260CM	
2-Hexanone	<	10.0	UG/L	06/15/12	8260CM	

Sample Number: 519339
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1212
 Date Received: 6/14/2012
 Date Completed: 06/20/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/20/2012

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 EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Styrene	<	10.0	UG/L	06/15/12	8260CM	
o-Xylene	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
2,2-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,3-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,2,4 Trimethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
n-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,3,5-Trimethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
4-Chlorotoluene	<	10.0	UG/L	06/15/12	8260CM	
sec-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
p-Isopropyltoluene	<	10.0	UG/L	06/15/12	8260CM	
1,2,3-Trichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,1,1,2-Tetrachloroethane	<	10.0	UG/L	06/15/12	8260CM	
Dibromomethane (MDB)	<	10.0	UG/L	06/15/12	8260CM	
n-Propylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2,3-Trichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
4-Methyl-2-pentanone	<	10.0	ug/L	06/15/12	8260CM	
Total Xylenes	<	20.0	UG/L	06/15/12	8260CM	
Acetone	<	10.0	UG/L	06/15/12	8260CM	
Bromobenzene	<	10.0	UG/L	06/15/12	8260CM	
m & p Xylene	<	20.0	UG/L	06/15/12	8260CM	
tert-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
Bromochloromethane	<	10.0	UG/L	06/15/12	8260CM	
Dichlorodifluoromethane	J <	10.0	UG/L	06/15/12	8260CM	
Trichlorofluoromethane	<	10.0	UG/L	06/15/12	8260CM	
Methyl tert-butyl ether (MTBE)	<	10.0	UG/L	06/15/12	8260CM	
cis-1,2-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
Cyclohexane	<	10.0	UG/L	06/15/12	8260CM	
Methylcyclohexane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dibromoethane	<	10.0	UG/L	06/15/12	8260CM	
Isopropylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,3-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	

Sample Number: 519339
Project Code: RR-BLP
Agency Number:
Date Collected: 6/13/2012
Time Collected: 1212
Date Received: 6/14/2012
Date Completed: 06/20/2012
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 6/20/2012

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

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
1,4-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dibromo-3-chloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,2,4-Trichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,4-Dioxane	<	100.0	UG/L	06/15/12	8260CM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
1,2-DICHLOROBENZENE-D4		102
4-BROMOFLUOROBENZENE		93
MTBE-D3		100

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NOT ANALYZED

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED CREEK

SAMPLERS COMMENTS:

SPEC=4,808; PH= 7.90; TEMP= 27.23; DO=5.36; SAMPLE#3

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 7.3

ANALYST'S COMMENTS:

Heather Rhoads (8260CM), Olivia Pierce (8260CM), (TE) Sample temperature at receipt exceeds EPA maximum of 6 degrees Celsius. (J) The associated value is an estimated quantity due to (QCF) Quality Control failure.

*

* ANALYST

Heather Rhoads

Sample Number: 519340
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1843
 Date Received: 6/14/2012
 Date Completed: 06/20/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/20/2012

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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 EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.0		06/15/12		
Bromodichloromethane	<	10.0	UG/L		8260CM	
Carbon tetrachloride	<	10.0	UG/L		8260CM	
Bromoform	<	10.0	UG/L		8260CM	
Chloroform	<	10.0	UG/L		8260CM	
Toluene	<	10.0	UG/L		8260CM	
Benzene	<	10.0	UG/L		8260CM	
Chlorobenzene	<	10.0	UG/L		8260CM	
Dibromochloromethane	<	10.0	UG/L		8260CM	
Chloroethane	<	10.0	UG/L		8260CM	
Ethylbenzene	<	10.0	UG/L		8260CM	
Hexachlorobutadiene	<	10.0	UG/L	06/15/12	8260CM	
Bromomethane	<	10.0	UG/L		8260CM	
Chloromethane	J <	10.0	UG/L		8260CM	
Methylene chloride	<	10.0	UG/L		8260CM	
Tetrachloroethene	<	10.0	UG/L		8260CM	
1,1-Dichloroethane	<	10.0	UG/L		8260CM	
1,1-Dichloroethene	<	10.0	UG/L		8260CM	
1,1,1-Trichloroethane	<	10.0	UG/L		8260CM	
1,1,2-Trichloroethane	<	10.0	UG/L		8260CM	
1,1,2,2-Tetrachloroethane	<	10.0	UG/L		8260CM	
1,2-Dichloroethane	<	10.0	UG/L		8260CM	
1,2-Dichloropropane	<	10.0	UG/L		8260CM	
trans-1,2-Dichloroethene	<	10.0	UG/L		8260CM	
Naphthalene	<	10.0	UG/L	06/15/12	8260CM	
trans-1,3-Dichloropropene	<	10.0	UG/L		8260CM	
cis-1,3-Dichloropropene	<	10.0	UG/L		8260CM	
2-Chlorotoluene	<	10.0	ug/L	06/15/12	8260CM	
Vinyl chloride	<	10.0	UG/L		8260CM	
Trichloroethene	<	10.0	UG/L		8260CM	
2-Butanone	<	10.0	ug/L	06/15/12	8260CM	
Carbon disulfide in water	<	10.0	ug/L		8260CM	
2-Hexanone	<	10.0	UG/L		8260CM	

Sample Number: 519340
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1843
 Date Received: 6/14/2012
 Date Completed: 06/20/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/20/2012

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 Sample Receiving: (405) 702-1113
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Styrene	<	10.0	UG/L		8260CM	
o-Xylene	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
2,2-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,3-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,2,4 Trimethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
n-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,3,5-Trimethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
4-Chlorotoluene	<	10.0	UG/L	06/15/12	8260CM	
sec-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
p-Isopropyltoluene	<	10.0	UG/L	06/15/12	8260CM	
1,2,3-Trichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,1,1,2-Tetrachloroethane	<	10.0	UG/L	06/15/12	8260CM	
Dibromomethane (MDB)	<	10.0	UG/L	06/15/12	8260CM	
n-Propylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2,3-Trichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
4-Methyl-2-pentanone	<	10.0	ug/L	06/15/12	8260CM	
Total Xylenes	<	20.0	UG/L		8260CM	
Acetone	<	10.0	UG/L		8260CM	
Bromobenzene	<	10.0	UG/L	06/15/12	8260CM	
m & p Xylene	<	20.0	UG/L	06/15/12	8260CM	
tert-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
Bromochloromethane	<	10.0	UG/L		8260CM	
Dichlorodifluoromethane	J <	10.0	UG/L		8260CM	
Trichlorofluoromethane	<	10.0	UG/L		8260CM	
Methyl tert-butyl ether (MTBE)	<	10.0	UG/L		8260CM	
cis-1,2-Dichloroethene	<	10.0	UG/L		8260CM	
Cyclohexane	<	10.0	UG/L		8260CM	
Methylcyclohexane	<	10.0	UG/L		8260CM	
1,2-Dibromoethane	<	10.0	UG/L		8260CM	
Isopropylbenzene	<	10.0	UG/L		8260CM	
1,2-Dichlorobenzene	<	10.0	UG/L		8260CM	
1,3-Dichlorobenzene	<	10.0	UG/L		8260CM	

Sample Number: 519340
Project Code: RR-BLP
Agency Number:
Date Collected: 6/13/2012
Time Collected: 1843
Date Received: 6/14/2012
Date Completed: 06/20/2012
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 6/20/2012

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: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
1,4-Dichlorobenzene	<	10.0	UG/L		8260CM	
1,2-Dibromo-3-chloropropane	<	10.0	UG/L		8260CM	
1,2,4-Trichlorobenzene	<	10.0	UG/L		8260CM	
1,4-Dioxane	<	100	UG/L		8260CM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
MTBE-D3		99
4-BROMOFLUOROBENZENE		91
1,2-DICHLOROBENZENE-D4		103

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NOT ANALYZED

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:

TOP;PH=8.67;SPEC=5,718;TEMP= 29.68; BOTTOM;PH=8.67;SPEC=5,718;TEMP=29.69

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 12.8

ANALYST'S COMMENTS:

Heather Rhoads (8260CM), Olivia Pierce (8260CM), Sample received on ice during cooling down phase. Analyzed. (J) The associated value is an estimated quantity due to (QCF) Quality Control failure.

* ANALYST

Heather Rhoads

Sample Number: 519341
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/12/2012
 Time Collected:
 Date Received: 6/14/2012
 Date Completed: 06/20/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/20/2012

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: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.0		06/15/12		
Bromodichloromethane	<	10.0	UG/L	06/15/12	8260CM	
Carbon tetrachloride	<	10.0	UG/L	06/15/12	8260CM	
Bromoform	<	10.0	UG/L	06/15/12	8260CM	
Chloroform	<	10.0	UG/L	06/15/12	8260CM	
Toluene	<	10.0	UG/L	06/15/12	8260CM	
Benzene	<	10.0	UG/L	06/15/12	8260CM	
Chlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
Dibromochloromethane	<	10.0	UG/L	06/15/12	8260CM	
Chloroethane	<	10.0	UG/L	06/15/12	8260CM	
Ethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
Hexachlorobutadiene	<	10.0	UG/L	06/15/12	8260CM	
Bromomethane	<	10.0	UG/L	06/15/12	8260CM	
Chloromethane	J <	10.0	UG/L	06/15/12	8260CM	
Methylene chloride	<	10.0	UG/L	06/15/12	8260CM	
Tetrachloroethene	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
1,1,1-Trichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1,2-Trichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1,2,2-Tetrachloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
trans-1,2-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
Naphthalene	<	10.0	UG/L	06/15/12	8260CM	
trans-1,3-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
cis-1,3-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
2-Chlorotoluene	<	10.0	ug/L	06/15/12	8260CM	
Vinyl chloride	<	10.0	UG/L	06/15/12	8260CM	
Trichloroethene	<	10.0	UG/L	06/15/12	8260CM	
2-Butanone	<	10.0	ug/L	06/15/12	8260CM	
Carbon disulfide in water	<	10.0	ug/L	06/15/12	8260CM	
2-Hexanone	<	10.0	UG/L	06/15/12	8260CM	

Sample Number: 519341
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/12/2012
 Time Collected:
 Date Received: 6/14/2012
 Date Completed: 06/20/2012
 Collected By: BM
 FWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/20/2012

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: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Styrene	<	10.0	UG/L	06/15/12	8260CM	
o-Xylene	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
2,2-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,3-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,2,4 Trimethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
n-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,3,5-Trimethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
4-Chlorotoluene	<	10.0	UG/L	06/15/12	8260CM	
sec-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
p-Isopropyltoluene	<	10.0	UG/L	06/15/12	8260CM	
1,2,3-Trichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,1,1,2-Tetrachloroethane	<	10.0	UG/L	06/15/12	8260CM	
Dibromomethane (MDB)	<	10.0	UG/L	06/15/12	8260CM	
n-Propylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2,3-Trichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
4-Methyl-2-pentanone	<	10.0	ug/L	06/15/12	8260CM	
Total Xylenes	<	20.0	UG/L	06/15/12	8260CM	
Acetone	<	10.0	UG/L	06/15/12	8260CM	
Bromobenzene	<	10.0	UG/L	06/15/12	8260CM	
m & p Xylene	<	20.0	UG/L	06/15/12	8260CM	
tert-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
Bromochloromethane	<	10.0	UG/L	06/15/12	8260CM	
Dichlorodifluoromethane	J <	10.0	UG/L	06/15/12	8260CM	
Trichlorofluoromethane	<	10.0	UG/L	06/15/12	8260CM	
Methyl tert-butyl ether (MTBE)	<	10.0	UG/L	06/15/12	8260CM	
cis-1,2-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
Cyclohexane	<	10.0	UG/L	06/15/12	8260CM	
Methylcyclohexane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dibromoethane	<	10.0	UG/L	06/15/12	8260CM	
Isopropylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,3-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	

Sample Number: 519341
Project Code: RR-BLP
Agency Number:
Date Collected: 6/12/2012
Time Collected:
Date Received: 6/14/2012
Date Completed: 06/20/2012
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 6/20/2012

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: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
1,4-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dibromo-3-chloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,2,4-Trichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,4-Dioxane	<	100.0	UG/L	06/15/12	8260CM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
4-BROMOFLUOROBENZENE		93
MTBE-D3		102
1,2-DICHLOROBENZENE-D4		104

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NOT ANALYZED

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER

SAMPLERS COMMENTS:
TRIP BLANK

SAMPLE RECEIVING COMMENTS:
ICE; SAMPLE= 8.0

ANALYST'S COMMENTS:
Heather Rhoads (8260CM), Olivia Pierce (8260CM), (TE) Sample temperature at receipt exceeds EPA maximum of 6 degrees Celsius. (J) The associated value is an estimated quantity due to (QCF) Quality Control failure.

*

* ANALYST

Heather Rhoads

Sample Number: 519342
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected:
 Date Received: 6/14/2012
 Date Completed: 06/20/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/20/2012

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: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.0		06/15/12		
Bromodichloromethane	<	10.0	UG/L	06/15/12	8260CM	
Carbon tetrachloride	<	10.0	UG/L	06/15/12	8260CM	
Bromoform	<	10.0	UG/L	06/15/12	8260CM	
Chloroform	<	10.0	UG/L	06/15/12	8260CM	
Toluene	<	10.0	UG/L	06/15/12	8260CM	
Benzene	<	10.0	UG/L	06/15/12	8260CM	
Chlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
Dibromochloromethane	<	10.0	UG/L	06/15/12	8260CM	
Chloroethane	<	10.0	UG/L	06/15/12	8260CM	
Ethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
Hexachlorobutadiene	<	10.0	UG/L	06/15/12	8260CM	
Bromomethane	<	10.0	UG/L	06/15/12	8260CM	
Chloromethane	J <	10.0	UG/L	06/15/12	8260CM	
Methylene chloride	<	10.0	UG/L	06/15/12	8260CM	
Tetrachloroethene	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
1,1,1-Trichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1,2-Trichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,1,2,2-Tetrachloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichloroethane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
trans-1,2-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
Naphthalene	<	10.0	UG/L	06/15/12	8260CM	
trans-1,3-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
cis-1,3-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
p-Chlorotoluene	<	10.0	ug/L	06/15/12	8260CM	
Vinyl chloride	<	10.0	UG/L	06/15/12	8260CM	
Trichloroethene	<	10.0	UG/L	06/15/12	8260CM	
2-Butanone	<	10.0	ug/L	06/15/12	8260CM	
Carbon disulfide in water	<	10.0	ug/L	06/15/12	8260CM	
2-Hexanone	<	10.0	UG/L	06/15/12	8260CM	

Sample Number: 519342
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected:
 Date Received: 6/14/2012
 Date Completed: 06/20/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 6/20/2012

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: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Styrene	<	10.0	UG/L	06/15/12	8260CM	
o-Xylene	<	10.0	UG/L	06/15/12	8260CM	
1,1-Dichloropropene	<	10.0	UG/L	06/15/12	8260CM	
2,2-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,3-Dichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,2,4 Trimethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
n-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,3,5-Trimethylbenzene	<	10.0	UG/L	06/15/12	8260CM	
4-Chlorotoluene	<	10.0	UG/L	06/15/12	8260CM	
sec-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
p-Isopropyltoluene	<	10.0	UG/L	06/15/12	8260CM	
1,2,3-Trichloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,1,1,2-Tetrachloroethane	<	10.0	UG/L	06/15/12	8260CM	
Dibromomethane (MDB)	<	10.0	UG/L	06/15/12	8260CM	
n-Propylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2,3-Trichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
4-Methyl-2-pentanone	<	10.0	ug/L	06/15/12	8260CM	
Total Xylenes	<	20.0	UG/L	06/15/12	8260CM	
Acetone	<	10.0	UG/L	06/15/12	8260CM	
Bromobenzene	<	10.0	UG/L	06/15/12	8260CM	
m & p Xylene	<	10.0	UG/L	06/15/12	8260CM	
tert-Butylbenzene	<	10.0	UG/L	06/15/12	8260CM	
Bromochloromethane	<	10.0	UG/L	06/15/12	8260CM	
Dichlorodifluoromethane	J <	10.0	UG/L	06/15/12	8260CM	
Trichlorofluoromethane	<	10.0	UG/L	06/15/12	8260CM	
Methyl tert-butyl ether (MTBE)	<	10.0	UG/L	06/15/12	8260CM	
cis-1,2-Dichloroethene	<	10.0	UG/L	06/15/12	8260CM	
Cyclohexane	<	10.0	UG/L	06/15/12	8260CM	
Methylcyclohexane	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dibromoethane	<	10.0	UG/L	06/15/12	8260CM	
Isopropylbenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,3-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	

Sample Number: 519342
Project Code: RR-BLP
Agency Number:
Date Collected: 6/13/2012
Time Collected:
Date Received: 6/14/2012
Date Completed: 06/20/2012
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 6/20/2012

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: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
1,4-Dichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,2-Dibromo-3-chloropropane	<	10.0	UG/L	06/15/12	8260CM	
1,2,4-Trichlorobenzene	<	10.0	UG/L	06/15/12	8260CM	
1,4-Dioxane	<	100.0	UG/L	06/15/12	8260CM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
4-BROMOFLUOROBENZENE		92
1,2-DICHLOROBENZENE-D4		104
MTBE-D3		101

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NOT ANALYZED

Summary

Labs performing analysis on this Sample:

GCMS

SAMPLERS COMMENTS:

TRIP BLANK

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 7.3

ANALYST'S COMMENTS:

Heather Rhoads (8260CM), Olivia Pierce (8260CM), (TE) Sample temperature at receipt exceeds EPA maximum of 6 degrees Celsius. (J) The associated value is an estimated quantity due to (QCF) Quality Control failure.

*

* ANALYST

Heather Rhoads

Sample Number: 519343
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1245
 Date Received: 6/14/2012
 Date Completed: 07/11/2012
 Collected By: CS
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/11/2012

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
 707 N. ROBINSON
 OKLAHOMA CITY
 OKLAHOMA, 73102-6010
 General Inquiries: 1-866-412-3057
 or sels.ok.gov

Report of Analysis by Metals
 EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Calcium, Dissolved		43.7	MG/L	07/06/12	200.7	
Calcium, Total		49.7	MG/L	07/06/12	200.7	
Magnesium, Dissolved		5.34	MG/L	07/06/12	200.7	
Magnesium, Total		7.38	MG/L	07/06/12	200.7	
Sodium, Total		28.3	MG/L	07/06/12	200.7	
Sodium, Dissolved		28.1	MG/L	07/06/12	200.7	
Potassium, Dissolved		4.07	MG/L	07/06/12	200.7	
Potassium, Total		5.62	MG/L	07/06/12	200.7	
Silica (SiO2), Dissolved		9070	UG/L	07/06/12	200.7	
Silica (SiO2), Total		43500	UG/L	07/06/12	200.7	
Arsenic, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Arsenic, Total	<	10.0	UG/L	07/06/12	200.7	
Barium, Dissolved		58.9	UG/L	07/06/12	200.7	
Barium, Total		94.6	UG/L	07/06/12	200.7	
Beryllium, Dissolved	<	2.00	UG/L	07/06/12	200.7	
Beryllium, Total	<	2.00	UG/L	07/06/12	200.7	
Boron, Dissolved		57.1	UG/L	07/06/12	200.7	
Boron, Total		66.3	UG/L	07/06/12	200.7	
Cadmium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cadmium, Total	<	5.00	UG/L	07/06/12	200.7	
Chromium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Chromium, Total		7.96	UG/L	07/06/12	200.7	
Cobalt, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Total	<	5.00	UG/L	07/06/12	200.7	
Copper, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Copper, Total		5.24	UG/L	07/06/12	200.7	
Iron, Total		5920	UG/L	07/06/12	200.7	
Iron, Dissolved		196	UG/L	07/06/12	200.7	
Lead, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Lead, Total		12.2	UG/L	07/06/12	200.7	
Manganese, Total		151	UG/L	07/06/12	200.7	
Manganese, Dissolved		9.29	UG/L	07/06/12	200.7	
Thallium, Dissolved	<	10.0	UG/L	07/06/12	200.7	

Sample Number: 519343
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1245
 Date Received: 6/14/2012
 Date Completed: 07/11/2012
 Collected By: CS
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/11/2012

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
 707 N. ROBINSON
 OKLAHOMA CITY
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 or sels.ok.gov

Report of Analysis by Metals
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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Thallium, Total	<	10.0	UG/L	07/06/12	200.7	
Molybdenum, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Molybdenum, Total	<	5.00	UG/L	07/06/12	200.7	
Nickel, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Nickel, Total	<	10.0	UG/L	07/06/12	200.7	
Silver, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Silver, Total	<	5.00	UG/L	07/06/12	200.7	
Strontium, Dissolved		253	UG/L	07/06/12	200.7	
Strontium, Total		278	UG/L	07/06/12	200.7	
Vanadium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Zinc, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Zinc, Total		10.0	UG/L	07/06/12	200.7	
Antimony, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Antimony, Total	<	10.0	UG/L	07/06/12	200.7	
Tin, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Tin, Total	<	10.0	UG/L	07/06/12	200.7	
Aluminum, Total		6090	UG/L	07/06/12	200.7	
Aluminum, Dissolved		380	UG/L	07/06/12	200.7	
Selenium, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Selenium, Total	<	10.0	UG/L	07/06/12	200.7	
Titanium, Dissolved		19.2	UG/L	07/06/12	200.7	
Titanium, Total		86.5	UG/L	07/06/12	200.7	
Vanadium, Total		15.3	UG/L	07/06/12	200.7	
Mercury, Dissolved	<	0.05	UG/L	07/09/12	200.8	
Mercury, Total	<	0.05	UG/L	07/09/12	200.8	
Filtered Sample				06/14/12		

Summary

Labs performing analysis on this Sample:

Metals Gen. Chem.

Sample Number: 519343
Project Code: RR-BLP
Agency Number:
Date Collected: 6/13/2012
Time Collected: 1245
Date Received: 6/14/2012
Date Completed: 07/11/2012
Collected By: CS
PWS Id:
Location Code:
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Facility:
Report Date: 7/11/2012

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Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

SOURCE: RED RIVER

SAMPLERS COMMENTS:

ELVATED FLOW, SAMPLES COLLECTED BY ODWC; I-35 BRIDGE

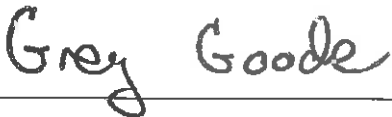
SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 9.0

ANALYST'S COMMENTS:

*

* ANALYST



Greg Goode
State Environmental Laboratory

Sample Number: 519344
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1030
 Date Received: 6/14/2012
 Date Completed: 07/11/2012
 Collected By: CS
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/11/2012

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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Calcium, Dissolved		151	MG/L	07/06/12	200.7	
Calcium, Total		152	MG/L	07/06/12	200.7	
Magnesium, Dissolved		71.4	MG/L	07/06/12	200.7	
Magnesium, Total		72.6	MG/L	07/06/12	200.7	
Sodium, Total		663	MG/L	07/06/12	200.7	
Sodium, Dissolved		654	MG/L	07/06/12	200.7	
Potassium, Dissolved		11.3	MG/L	07/06/12	200.7	
Potassium, Total		13.5	MG/L	07/06/12	200.7	
Silica (SiO2), Dissolved		4750	UG/L	07/06/12	200.7	
Silica (SiO2), Total		7690	UG/L	07/06/12	200.7	
Arsenic, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Arsenic, Total	<	10.0	UG/L	07/06/12	200.7	
Barium, Dissolved		164	UG/L	07/06/12	200.7	
Barium, Total		172	UG/L	07/06/12	200.7	
Beryllium, Dissolved	<	2.00	UG/L	07/06/12	200.7	
Beryllium, Total	<	2.00	UG/L	07/06/12	200.7	
Boron, Dissolved		464	UG/L	07/06/12	200.7	
Boron, Total		473	UG/L	07/06/12	200.7	
Cadmium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cadmium, Total	<	5.00	UG/L	07/06/12	200.7	
Chromium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Chromium, Total	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Total	<	5.00	UG/L	07/06/12	200.7	
Copper, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Copper, Total	<	5.00	UG/L	07/06/12	200.7	
Iron, Total		710	UG/L	07/06/12	200.7	
Iron, Dissolved		81.6	UG/L	07/06/12	200.7	
Lead, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Lead, Total	<	10.0	UG/L	07/06/12	200.7	
Manganese, Total		297	UG/L	07/06/12	200.7	
Manganese, Dissolved		101	UG/L	07/06/12	200.7	
Thallium, Dissolved	<	10.0	UG/L	07/06/12	200.7	

Sample Number: 519344
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/13/2012
 Time Collected: 1030
 Date Received: 6/14/2012
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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Thallium, Total	<	10.0	UG/L	07/06/12	200.7	
Molybdenum, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Molybdenum, Total	<	5.00	UG/L	07/06/12	200.7	
Nickel, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Nickel, Total	<	10.0	UG/L	07/06/12	200.7	
Silver, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Silver, Total	<	5.00	UG/L	07/06/12	200.7	
Strontium, Dissolved		2470	UG/L	07/06/12	200.7	
Strontium, Total		2520	UG/L	07/06/12	200.7	
Vanadium, Dissolved		33.1	UG/L	07/06/12	200.7	
Zinc, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Zinc, Total	<	5.00	UG/L	07/06/12	200.7	
Antimony, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Antimony, Total	<	10.0	UG/L	07/06/12	200.7	
Tin, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Tin, Total	<	10.0	UG/L	07/06/12	200.7	
Aluminum, Total		649	UG/L	07/06/12	200.7	
Aluminum, Dissolved	<	300	UG/L	07/06/12	200.7	
Selenium, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Selenium, Total	<	10.0	UG/L	07/06/12	200.7	
Titanium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Titanium, Total		12.1	UG/L	07/06/12	200.7	
Vanadium, Total		29.6	UG/L	07/06/12	200.7	
Mercury, Dissolved	<	0.05	UG/L	07/09/12	200.8	
Mercury, Total	<	0.05	UG/L	07/09/12	200.8	
Filtered Sample				06/14/12		

Summary

Labs performing analysis on this Sample:

Metals Gen. Chem.

Sample Number: 519344
Project Code: RR-BLP
Agency Number:
Date Collected: 6/13/2012
Time Collected: 1030
Date Received: 6/14/2012
Date Completed: 07/11/2012
Collected By: CS
PWS Id:
Location Code:
Station:
Facility:
Report Date: 7/11/2012

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CC: Ferrella March/LPD

SOURCE: RED RIVER

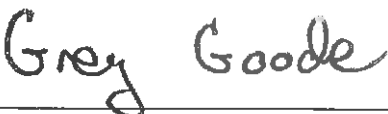
SAMPLERS COMMENTS:
SAMPLES COLLECTED BY ODWC; HWY 89

SAMPLE RECEIVING COMMENTS:
ICE; SAMPLE= 9.4

ANALYST'S COMMENTS:

*

* ANALYST



Greg Goode
State Environmental Laboratory

Sample Number: 519605
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/14/2012
 Time Collected: 1600
 Date Received: 6/22/2012
 Date Completed: 07/17/2012
 Collected By: MM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/17/2012

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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Calcium, Dissolved		110	MG/L	07/06/12	200.7	
Calcium, Total		106	MG/L	07/06/12	200.7	
Magnesium, Dissolved		51.0	MG/L	07/06/12	200.7	
Magnesium, Total		50.4	MG/L	07/06/12	200.7	
Sodium, Total		502	MG/L	07/06/12	200.7	
Sodium, Dissolved		522	MG/L	07/06/12	200.7	
Potassium, Dissolved		9.86	MG/L	07/06/12	200.7	
Potassium, Total		10.5	MG/L	07/06/12	200.7	
Silica (SiO2), Dissolved		3250	UG/L	07/06/12	200.7	
Silica (SiO2), Total		12200	UG/L	07/06/12	200.7	
Arsenic, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Arsenic, Total	<	10.0	UG/L	07/06/12	200.7	
Barium, Dissolved		142	UG/L	07/06/12	200.7	
Barium, Total		157	UG/L	07/06/12	200.7	
Beryllium, Dissolved	<	2.00	UG/L	07/06/12	200.7	
Beryllium, Total	<	2.00	UG/L	07/06/12	200.7	
Boron, Dissolved		385	UG/L	07/06/12	200.7	
Boron, Total		366	UG/L	07/06/12	200.7	
Cadmium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cadmium, Total	<	5.00	UG/L	07/06/12	200.7	
Chromium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Chromium, Total	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Total	<	5.00	UG/L	07/06/12	200.7	
Copper, Dissolved		11.8	UG/L	07/06/12	200.7	
Copper, Total		12.6	UG/L	07/06/12	200.7	
Iron, Total		2100	UG/L	07/06/12	200.7	
Iron, Dissolved		45.9	UG/L	07/06/12	200.7	
Lead, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Lead, Total	<	10.0	UG/L	07/06/12	200.7	
Manganese, Total		198	UG/L	07/06/12	200.7	
Manganese, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Thallium, Dissolved	<	10.0	UG/L	07/06/12	200.7	

Sample Number: 519605
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/14/2012
 Time Collected: 1600
 Date Received: 6/22/2012
 Date Completed: 07/17/2012
 Collected By: MM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/17/2012

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Thallium, Total	<	10.0	UG/L	07/06/12	200.7	
Molybdenum, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Molybdenum, Total	<	5.00	UG/L	07/06/12	200.7	
Nickel, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Nickel, Total	<	10.0	UG/L	07/06/12	200.7	
Silver, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Silver, Total	<	5.00	UG/L	07/06/12	200.7	
Strontium, Dissolved		1760	UG/L	07/06/12	200.7	
Strontium, Total		1750	UG/L	07/06/12	200.7	
Vanadium, Dissolved		24.5	UG/L	07/06/12	200.7	
Zinc, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Zinc, Total		11.1	UG/L	07/06/12	200.7	
Antimony, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Antimony, Total	<	10.0	UG/L	07/06/12	200.7	
Tin, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Tin, Total	<	10.0	UG/L	07/06/12	200.7	
Aluminum, Total		1980	UG/L	07/06/12	200.7	
Aluminum, Dissolved	<	300	UG/L	07/06/12	200.7	
Selenium, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Selenium, Total	<	10.0	UG/L	07/06/12	200.7	
Titanium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Titanium, Total		33.1	UG/L	07/06/12	200.7	
Vanadium, Total		22.8	UG/L	07/06/12	200.7	
Uranium, Total		1.60	UG/L	07/16/12	200.8	
Mercury, Dissolved	OT	0.24	UG/L	07/09/12	200.8	
Mercury, Total	<	0.05	UG/L	07/09/12	200.8	
Filtered Sample				06/25/12		

Summary

Sample Number: 519605
Project Code: RR-BLP
Agency Number:
Date Collected: 6/14/2012
Time Collected: 1600
Date Received: 6/22/2012
Date Completed: 07/17/2012
Collected By: MM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 7/17/2012

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CC: Ferrella March/LPD

Labs performing analysis on this Sample:

Rad. Chem. Metals Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

SITE BELOW OBSERVED DEAD FISH; LIVE TURTLES OBSERVED; 8.08MG/L DO

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.3

ANALYST'S COMMENTS:

(OT) Other - Sample potentially contaminated during sample preparation.

* * ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 519606
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/15/2012
 Time Collected: 0900
 Date Received: 6/22/2012
 Date Completed: 07/17/2012
 Collected By: MM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/17/2012

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To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Calcium, Dissolved		110	MG/L	07/06/12	200.7	
Calcium, Total		114	MG/L	07/06/12	200.7	
Magnesium, Dissolved		50.3	MG/L	07/06/12	200.7	
Magnesium, Total		54.3	MG/L	07/06/12	200.7	
Sodium, Total		578	MG/L	07/06/12	200.7	
Sodium, Dissolved		561	MG/L	07/06/12	200.7	
Potassium, Dissolved		10.1	MG/L	07/06/12	200.7	
Potassium, Total		13.8	MG/L	07/06/12	200.7	
Silica (SiO2), Dissolved		3120	UG/L	07/06/12	200.7	
Silica (SiO2), Total		31700	UG/L	07/06/12	200.7	
Arsenic, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Arsenic, Total	<	10.0	UG/L	07/06/12	200.7	
Barium, Dissolved		149	UG/L	07/06/12	200.7	
Barium, Total		190	UG/L	07/06/12	200.7	
Beryllium, Dissolved	<	2.00	UG/L	07/06/12	200.7	
Beryllium, Total	<	2.00	UG/L	07/06/12	200.7	
Boron, Dissolved		390	UG/L	07/06/12	200.7	
Boron, Total		390	UG/L	07/06/12	200.7	
Cadmium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cadmium, Total	<	5.00	UG/L	07/06/12	200.7	
Chromium, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Chromium, Total		6.32	UG/L	07/06/12	200.7	
Cobalt, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Cobalt, Total	<	5.00	UG/L	07/06/12	200.7	
Copper, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Copper, Total		6.96	UG/L	07/06/12	200.7	
Iron, Total		4630	UG/L	07/06/12	200.7	
Iron, Dissolved		75.8	UG/L	07/06/12	200.7	
Lead, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Lead, Total	<	10.0	UG/L	07/06/12	200.7	
Manganese, Total		293	UG/L	07/06/12	200.7	
Manganese, Dissolved		13.5	UG/L	07/06/12	200.7	
Thallium, Dissolved	<	10.0	UG/L	07/06/12	200.7	

Sample Number: 519606
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 6/15/2012
 Time Collected: 0900
 Date Received: 6/22/2012
 Date Completed: 07/17/2012
 Collected By: MM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 7/17/2012

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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Thallium, Total	<	10.0	UG/L	07/06/12	200.7	
Molybdenum, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Molybdenum, Total	<	5.00	UG/L	07/06/12	200.7	
Nickel, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Nickel, Total	<	10.0	UG/L	07/06/12	200.7	
Silver, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Silver, Total	<	5.00	UG/L	07/06/12	200.7	
Strontium, Dissolved		1710	UG/L	07/06/12	200.7	
Strontium, Total		1820	UG/L	07/06/12	200.7	
Vanadium, Dissolved		23.0	UG/L	07/06/12	200.7	
Zinc, Dissolved	<	5.00	UG/L	07/06/12	200.7	
Zinc, Total		9.64	UG/L	07/06/12	200.7	
Antimony, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Antimony, Total	<	10.0	UG/L	07/06/12	200.7	
Tin, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Tin, Total	<	10.0	UG/L	07/06/12	200.7	
Aluminum, Total		4890	UG/L	07/06/12	200.7	
Aluminum, Dissolved	<	300	UG/L	07/06/12	200.7	
Selenium, Dissolved	<	10.0	UG/L	07/06/12	200.7	
Selenium, Total	<	10.0	UG/L	07/06/12	200.7	
Titanium, Dissolved		6.69	UG/L	07/06/12	200.7	
Titanium, Total		181	UG/L	07/06/12	200.7	
Vanadium, Total		27.6	UG/L	07/06/12	200.7	
Uranium, Total		2.10	UG/L	07/16/12	200.8	
Mercury, Dissolved	OT	0.20	UG/L	07/09/12	200.8	
Mercury, Total	<	0.05	UG/L	07/09/12	200.8	
Filtered Sample				06/25/12		

Summary

Sample Number: 519606
Project Code: RR-BLP
Agency Number:
Date Collected: 6/15/2012
Time Collected: 0900
Date Received: 6/22/2012
Date Completed: 07/17/2012
Collected By: MM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 7/17/2012

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General Inquiries: 1-866-412-3057
or sels.ok.gov
Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

Labs performing analysis on this Sample:

Rad. Chem. Metals Gen. Chem.

SOURCE: RED RIVER

SAMPLERS COMMENTS:

LIVE TURTLES&MINNOWS OBSERVED;SOME FISH ACTIVE IN SHALLOW;BELOW OBSERVED DEAD FISH UPSTREAM

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.1

ANALYST'S COMMENTS:

(OT) Other - Sample potentially contaminated during sample preparation.

* * ANALYST _____

Greg Goode

Greg Goode
State Environmental Laboratory

Sample Number: 522007
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 8/7/2012
 Time Collected: 1233
 Date Received: 8/8/2012
 Date Completed: 08/16/2012
 Collected By: SC
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 8/16/2012

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Report of Analysis by GCMS

EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		0.63				
Acenaphthylene	<	6.3	UG/L	08/15/12	8270D	
Acenaphthene	<	6.3	UG/L	08/15/12	8270D	
Anthracene	<	6.3	UG/L	08/15/12	8270D	
Benzo(b)fluoranthene	<	6.3	UG/L	08/15/12	8270D	
Benzo(k)fluoranthene	<	6.3	UG/L	08/15/12	8270D	
Benzo(a)pyrene	<	6.3	UG/L	08/15/12	8270D	
Bis(2-chloroethyl)ether	<	6.3	UG/L	08/15/12	8270D	
Bis(2-chloroethoxy)methane	<	6.3	UG/L	08/15/12	8270D	
Bis(2-chloroisopropyl)ether	<	6.3	UG/L	08/15/12	8270D	
Butylbenzylphthalate	<	6.3	UG/L	08/15/12	8270D	
Chrysene	<	6.3	UG/L	08/15/12	8270D	
Diethylphthalate	<	6.3	UG/L	08/15/12	8270D	
Dimethylphthalate	<	6.3	UG/L	08/15/12	8270D	
Fluoranthene	<	6.3	UG/L	08/15/12	8270D	
Fluorene	<	6.3	UG/L	08/15/12	8270D	
Hexachlorocyclopentadiene	<	6.3	UG/L	08/15/12	8270D	
Hexachloroethane in water	<	6.3	UG/L	08/15/12	8270D	
Indeno(123cd)pyrene	<	6.3	UG/L	08/15/12	8270D	
Isophorone	<	6.3	UG/L	08/15/12	8270D	
Nitrosodipropylamine	<	6.3	UG/L	08/15/12	8270D	
Nitrosodiphenylamine	<	6.3	UG/L	08/15/12	8270D	
Nitrobenzene	<	6.3	UG/L	08/15/12	8270D	
p-Chloro-m-cresol	<	6.3	UG/L	08/15/12	8270D	
Phenanthrene		25	UG/L	08/15/12	8270D	
Pyrene	<	6.3	UG/L	08/15/12	8270D	
Benzo(ghi)perylene	<	6.3	UG/L	08/15/12	8270D	
Benzo(a)anthracene	<	6.3	UG/L	08/15/12	8270D	
Dibenzo(ah)anthracene	<	6.3	UG/L	08/15/12	8270D	
2-Chloronaphthalene	<	6.3	UG/L	08/15/12	8270D	
2-Chlorophenol	<	6.3	UG/L	08/15/12	8270D	
2-Nitrophenol	<	6.3	UG/L	08/15/12	8270D	
Di-n-octylphthalate	<	6.3	UG/L	08/15/12	8270D	

Sample Number: 522007
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 8/7/2012
 Time Collected: 1233
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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	6.3	UG/L	08/15/12	8270D	
2,4-Dimethylphenol	<	6.3	UG/L	08/15/12	8270D	
2,4-Dinitrotoluene	<	6.3	UG/L	08/15/12	8270D	
2,4-Dinitrophenol	UJ <	16	UG/L	08/15/12	8270D	
2,4,6-Trichlorophenol	<	6.3	UG/L	08/15/12	8270D	
2,6-Dinitrotoluene	<	6.3	UG/L	08/15/12	8270D	
3,3'-Dichlorobenzidine	<	6.3	UG/L	08/15/12	8270D	
4-Bromophenylphenyl ether	<	6.3	UG/L	08/15/12	8270D	
4-Chlorophenyl phenylether	<	6.3	UG/L	08/15/12	8270D	
4-Nitrophenol	<	16	UG/L	08/15/12	8270D	
4,6-Dinitro-o-cresol	<	16	UG/L	08/15/12	8270D	
Phenol	<	6.3	UG/L	08/15/12	8270D	
Naphthalene		6.3	UG/L	08/15/12	8270D	
Pentachlorophenol	<	16	UG/L	08/15/12	8270D	
Bis(2-ethylhexyl)phthalate	<	6.3	UG/L	08/15/12	8270D	
Di-n-butylphthalate	<	6.3	UG/L	08/15/12	8270D	
Hexachlorobenzene	<	6.3	UG/L	08/15/12	8270D	
Hexachlorobutadiene	<	6.3	UG/L	08/15/12	8270D	
Dibenzofuran	<	6.3	UG/L	08/15/12	8270D	
2-Methylnaphthalene		14	UG/L	08/15/12	8270D	
2-Methylphenol	<	6.3	UG/L	08/15/12	8270D	
4-Methylphenol	<	6.3	UG/L	08/15/12	8270D	
2,4,5-Trichlorophenol	<	6.3	UG/L	08/15/12	8270D	
4-Chloroaniline	<	6.3	UG/L	08/15/12	8270D	
2-Nitroaniline	<	16	UG/L	08/15/12	8270D	
3-Nitroaniline	<	16	UG/L	08/15/12	8270D	
4-Nitroaniline	<	16	UG/L	08/15/12	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		82
2-FLUOROPHENOL		61
2-FLUOROBIPHENYL		70
2,4,6-TRIBROMOPHENOL		86

Sample Number: 522007
Project Code: RR-BLP
Agency Number:
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Report of Analysis by GCMS
EPA Drinking Water Certification #OKC0013

To: File Copy

CC: Ferrella March/LPD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
P-TERPHENYL-D14		73
PHENOL-D5		60

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
Dodecane		18	µg/L
unknown substituted cycloalkane		25	µg/L
unknown substituted cycloalkane		18	µg/L
cis-Decalin, 2-syn-methyl-		33	µg/L
Naphthalene, decahydro-2-methyl		18	µg/L
Cyclohexane, 1,1,3,5-tetramethy		42	µg/L
Cyclohexane, 1,3-dimethyl-, tra		36	µg/L
unknown substituted alkane #1		13	µg/L
unknown substituted alkane #2		88	µg/L
Cyclohexane, 1-ethyl-2,3-dimeth		22	µg/L
Cyclohexane, 2,4-diethyl-1-meth		19	µg/L
Cyclopentane, decyl-		25	µg/L
Decane, 2,6,8-trimethyl-		23	µg/L
unknown alcohol substituted alk		19	µg/L
unknown substituted cycloalkane		24	µg/L
1H-Indene, 2,3-dihydro-1,1,5-tr		15	µg/L
unknown oxygen substituted cycl		16	µg/L
unknown substituted cycloalkane		15	µg/L
unknown substituted cyclopentan		20	µg/L
Undecane		31	µg/L

Summary

Labs performing analysis on this Sample:

Metals GCMS

Sample Number: 522007
Project Code: RR-BLP
Agency Number:
Date Collected: 8/7/2012
Time Collected: 1233
Date Received: 8/8/2012
Date Completed: 08/16/2012
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Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

SOURCE: SAMPLE#6 KSAS OIL

SAMPLERS COMMENTS:

PUMP FOR DISPOSAL WELLS METZNER FEEL & PENISTON 1B; OP#20497

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 2.8

ANALYST'S COMMENTS:

No gel formation.

Analyst: Cassandra Kontas

At minimum, quality control samples associated with this analysis include a negative control and a positive control.

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

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

Some compound names were truncated in the "Tentatively Identified by NBS Library Search" report table; their complete names are:

1H-Indene, 2,3-dihydro-1,1,5-trimethyl-

Cyclohexane, 1,1,3,5-tetramethyl-, cis-

Cyclohexane, 1,3-dimethyl-, trans-

Cyclohexane, 1-ethyl-2,3-dimethyl-

Cyclohexane, 2,4-diethyl-1-methyl-

Naphthalene, decahydro-2-methyl-

unknown alcohol substituted alkene

unknown oxygen substituted cycloalkane

unknown substituted cycloalkane #1

unknown substituted cycloalkane #2

unknown substituted cycloalkane #3

unknown substituted cycloalkane #4

unknown substituted cyclopentane

* ANALYST

Cassandra Kontas