

Sample Number: 514783
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1330
 Date Received: 2/15/2012
 Date Completed: 03/14/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/14/2012

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, Extractab:		1.00				
Acenaphthylene	<	10	UG/L	02/24/12	8270DM	
Acenaphthene	<	10	UG/L	02/24/12	8270DM	
Anthracene	<	10	UG/L	02/24/12	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	02/24/12	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	02/24/12	8270DM	
Benzo(a)pyrene	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroisopropyl)ethe	<	10	UG/L	02/24/12	8270DM	
Butylbenzylphthalate	<	10	UG/L	02/24/12	8270DM	
Chrysene	<	10	UG/L	02/24/12	8270DM	
Diethylphthalate	<	10	UG/L	02/24/12	8270DM	
Dimethylphthalate	<	10	UG/L	02/24/12	8270DM	
Fluoranthene	<	10	UG/L	02/24/12	8270DM	
Fluorene	<	10	UG/L	02/24/12	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	02/24/12	8270DM	
Hexachloroethane in water	<	10	UG/L	02/24/12	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	02/24/12	8270DM	
Isophorone	<	10	UG/L	02/24/12	8270DM	
Nitrosodipropylamine	<	10	UG/L	02/24/12	8270DM	
Nitrosodiphenylamine	<	10	UG/L	02/24/12	8270DM	
Nitrobenzene	<	10	UG/L	02/24/12	8270DM	
p-Chloro-m-cresol	<	10	UG/L	02/24/12	8270DM	
Phenanthrene	<	10	UG/L	02/24/12	8270DM	
Pyrene	<	10	UG/L	02/24/12	8270DM	
Benzo(ghi)perylene	<	10	UG/L	02/24/12	8270DM	
Benzo(a)anthracene	<	10	UG/L	02/24/12	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	02/24/12	8270DM	
2-Chloronaphthalene	<	10	UG/L	02/24/12	8270DM	
2-Chlorophenol	<	10	UG/L	02/24/12	8270DM	
2-Nitrophenol	<	10	UG/L	02/24/12	8270DM	
Di-n-octylphthalate	<	10	UG/L	02/24/12	8270DM	

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	02/24/12	8270DM	
2,4-Dimethylphenol	<	10	UG/L	02/24/12	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	02/24/12	8270DM	
2,4-Dinitrophenol	<	25	UG/L	02/24/12	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	02/24/12	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	02/24/12	8270DM	
3,3'-Dichlorobenzidine	<	10	UG/L	02/24/12	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	02/24/12	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	02/24/12	8270DM	
4-Nitrophenol	<	25	UG/L	02/24/12	8270DM	
4,6-Dinitro-o-cresol	<	25	UG/L	02/24/12	8270DM	
Phenol	<	10	UG/L	02/24/12	8270DM	
Naphthalene	<	10	UG/L	02/24/12	8270DM	
Pentachlorophenol	<	25	UG/L	02/24/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	02/24/12	8270DM	
Di-n-butylphthalate	<	10	UG/L	02/24/12	8270DM	
Hexachlorobenzene	<	10	UG/L	02/24/12	8270DM	
Hexachlorobutadiene	<	10	UG/L	02/24/12	8270DM	
Dibenzofuran	<	10	UG/L	02/24/12	8270DM	
2-Methylnaphthalene	<	10	UG/L	02/24/12	8270DM	
2-Methylphenol	<	10	UG/L	02/24/12	8270DM	
4-Methylphenol	<	10	UG/L	02/24/12	8270DM	
2,4,5-Trichlorophenol	<	10	UG/L	02/24/12	8270DM	
4-Chloroaniline	<	10	UG/L	02/24/12	8270DM	
2-Nitroaniline	<	25	UG/L	02/24/12	8270DM	
3-Nitroaniline	<	25	UG/L	02/24/12	8270DM	
4-Nitroaniline	<	25	UG/L	02/24/12	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		16
NITROBENZENE-D5		32
2-FLUOROBIPHENYL		34
2-FLUOROPHENOL		17

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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		58
P-TERPHENYL-D14		63

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NU			

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S6-AOC-1/KETCHUMS BLUFF; OK311100010190_20; 1FT FROM THE SURFACE

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 4.5

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: 514784
 Project Code: RR-BLP
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Dilution Factor, Extractab:			1.00				
Acenaphthylene	UJ	<	10	UG/L	02/24/12	8270DM	
Acenaphthene	UJ	<	10	UG/L	02/24/12	8270DM	
Anthracene		<	10	UG/L	02/24/12	8270DM	
Benzo(b) fluoranthene		<	10	UG/L	02/24/12	8270DM	
Benzo(k) fluoranthene		<	10	UG/L	02/24/12	8270DM	
Benzo(a)pyrene		<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroethyl)ether		<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroethoxy)methane		<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroisopropyl)ethe		<	10	UG/L	02/24/12	8270DM	
Butylbenzylphthalate		<	10	UG/L	02/24/12	8270DM	
Chrysene		<	10	UG/L	02/24/12	8270DM	
Diethylphthalate	UJ	<	10	UG/L	02/24/12	8270DM	
Dimethylphthalate	UJ	<	10	UG/L	02/24/12	8270DM	
Fluoranthene		<	10	UG/L	02/24/12	8270DM	
Fluorene	UJ	<	10	UG/L	02/24/12	8270DM	
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Hexachloroethane in water		<	10	UG/L	02/24/12	8270DM	
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Pyrene		<	10	UG/L	02/24/12	8270DM	
Benzo(ghi)perylene		<	10	UG/L	02/24/12	8270DM	
Benzo(a)anthracene		<	10	UG/L	02/24/12	8270DM	
Dibenzo(ah)anthracene		<	10	UG/L	02/24/12	8270DM	
2-Chloronaphthalene	UJ	<	10	UG/L	02/24/12	8270DM	
2-Chlorophenol		<	10	UG/L	02/24/12	8270DM	
2-Nitrophenol		<	10	UG/L	02/24/12	8270DM	
Di-n-octylphthalate		<	10	UG/L	02/24/12	8270DM	

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2,4-Dichlorophenol	<	10	UG/L	02/24/12	8270DM	
2,4-Dimethylphenol	<	10	UG/L	02/24/12	8270DM	
2,4-Dinitrotoluene	UJ <	10	UG/L	02/24/12	8270DM	
2,4-Dinitrophenol	UJ <	25	UG/L	02/24/12	8270DM	
2,4,6-Trichlorophenol	UJ <	10	UG/L	02/24/12	8270DM	
2,6-Dinitrotoluene	UJ <	10	UG/L	02/24/12	8270DM	
3,3'-Dichlorobenzidine	<	10	UG/L	02/24/12	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	02/24/12	8270DM	
4-Chlorophenyl phenylether	UJ <	10	UG/L	02/24/12	8270DM	
4-Nitrophenol	UJ <	25	UG/L	02/24/12	8270DM	
4,6-Dinitro-o-cresol	<	25	UG/L	02/24/12	8270DM	
Phenol	<	10	UG/L	02/24/12	8270DM	
Naphthalene	<	10	UG/L	02/24/12	8270DM	
Pentachlorophenol	<	25	UG/L	02/24/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	02/24/12	8270DM	
Di-n-butylphthalate	<	10	UG/L	02/24/12	8270DM	
Hexachlorobenzene	<	10	UG/L	02/24/12	8270DM	
Hexachlorobutadiene	<	10	UG/L	02/24/12	8270DM	
Dibenzofuran	UJ <	10	UG/L	02/24/12	8270DM	
2-Methylnaphthalene	<	10	UG/L	02/24/12	8270DM	
2-Methylphenol	<	10	UG/L	02/24/12	8270DM	
4-Methylphenol	<	10	UG/L	02/24/12	8270DM	
2,4,5-Trichlorophenol	UJ <	10	UG/L	02/24/12	8270DM	
4-Chloroaniline	<	10	UG/L	02/24/12	8270DM	
2-Nitroaniline	UJ <	25	UG/L	02/24/12	8270DM	
3-Nitroaniline	UJ <	25	UG/L	02/24/12	8270DM	
4-Nitroaniline	UJ <	25	UG/L	02/24/12	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		10
2,4,6-TRIBROMOPHENOL		55
P-TERPHENYL-D14		70
PHENOL-D5		11

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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 #OKD00013

To: File Copy

CC: Ferrella March/LPD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL (QCF)		20
NITROBENZENE-D5		17

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NOT ANALYZED			

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S6-AOC-2/KETCHUMS BLUFF; OK311100010190_20; 4FT BELOW SURFACE

SAMPLE RECEIVING COMMENTS:

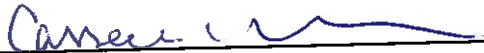
ICE; SAMPLE= 2.4

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas (NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis. (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 inaccurately biased low (based on an associated surrogate compound having relatively low recovery as compared to in-house control limit criteria). (QCF) Quality Control Failure: the surrogate 2-fluorobiphenyl recovered below the in-house control limit of 27%.

*

* ANALYST



Sample Number: 514785
 Project Code: RR-BLP
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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.00				
Acenaphthylene	<	10	UG/L	03/06/12	8270DM	
Acenaphthene	<	10	UG/L	03/06/12	8270DM	
Anthracene	<	10	UG/L	03/06/12	8270DM	
Benzo(b)fluoranthene	MI,UJ <	10	UG/L	03/06/12	8270DM	
Benzo(k)fluoranthene	MI,UJ <	10	UG/L	03/06/12	8270DM	
Benzo(a)pyrene	MI,UJ <	10	UG/L	03/06/12	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	03/06/12	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	03/06/12	8270DM	
Bis(2-chloroisopropyl)ether	<	10	UG/L	03/06/12	8270DM	
Butylbenzylphthalate	<	10	UG/L	03/06/12	8270DM	
Chrysene	<	10	UG/L	03/06/12	8270DM	
Diethylphthalate	<	10	UG/L	03/06/12	8270DM	
Dimethylphthalate	<	10	UG/L	03/06/12	8270DM	
Fluoranthene	<	10	UG/L	03/06/12	8270DM	
Fluorene	<	10	UG/L	03/06/12	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	03/06/12	8270DM	
Hexachloroethane in water	<	10	UG/L	03/06/12	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	03/06/12	8270DM	
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Nitrosodiphenylamine	<	10	UG/L	03/06/12	8270DM	
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Pyrene	<	10	UG/L	03/06/12	8270DM	
Benzo(ghi)perylene	<	10	UG/L	03/06/12	8270DM	
Benzo(a)anthracene	<	10	UG/L	03/06/12	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	03/06/12	8270DM	
2-Chloronaphthalene	<	10	UG/L	03/06/12	8270DM	
2-Chlorophenol	<	10	UG/L	03/06/12	8270DM	
2-Nitrophenol	<	10	UG/L	03/06/12	8270DM	
Di-n-octylphthalate	<	10	UG/L	03/06/12	8270DM	

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2,4-Dimethylphenol	<	10	UG/L	03/06/12	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	03/06/12	8270DM	
2,4-Dinitrophenol	<	25	UG/L	03/06/12	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	03/06/12	8270DM	
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3,3'-Dichlorobenzidine	<	10	UG/L	03/06/12	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	03/06/12	8270DM	
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Dibenzofuran	<	10	UG/L	03/06/12	8270DM	
2-Methylnaphthalene	<	10	UG/L	03/06/12	8270DM	
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4-Chloroaniline	<	10	UG/L	03/06/12	8270DM	
2-Nitroaniline	<	25	UG/L	03/06/12	8270DM	
3-Nitroaniline	<	25	UG/L	03/06/12	8270DM	
4-Nitroaniline	<	25	UG/L	03/06/12	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		48
P-TERPHENYL-D14		69
PHENOL-D5		19
2-FLUOROBIPHENYL		50

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EPA Drinking Water Certification #OK30013

To: File Copy

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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		69
2-FLUOROPHENOL		24

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NU			

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S6-AOC-3/KETCHUMS BLUFF; OK311100010190_20; 7.5-8 FT FROM SURFACE

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

(NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis. (MI) Matrix interference, which could bias analyte recovery low, is indicated by comparison of the positive control sample to the matrix spiked field samples. (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 due to possible matrix interference.

*

* ANALYST

Cassandra Kontas

Sample Number: 514787
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1340
 Date Received: 2/15/2012
 Date Completed: 03/14/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/14/2012

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, Extractab:		1.00				
Acenaphthylene	<	10	UG/L	02/24/12	8270DM	
Acenaphthene	<	10	UG/L	02/24/12	8270DM	
Anthracene	<	10	UG/L	02/24/12	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	02/24/12	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	02/24/12	8270DM	
Benzo(a)pyrene	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroisopropyl)ethe	<	10	UG/L	02/24/12	8270DM	
Butylbenzylphthalate	<	10	UG/L	02/24/12	8270DM	
Chrysene	<	10	UG/L	02/24/12	8270DM	
Diethylphthalate	<	10	UG/L	02/24/12	8270DM	
Dimethylphthalate	<	10	UG/L	02/24/12	8270DM	
Fluoranthene	<	10	UG/L	02/24/12	8270DM	
Fluorene	<	10	UG/L	02/24/12	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	02/24/12	8270DM	
Hexachloroethane in water	<	10	UG/L	02/24/12	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	02/24/12	8270DM	
Isophorone	<	10	UG/L	02/24/12	8270DM	
Nitrosodipropylamine	<	10	UG/L	02/24/12	8270DM	
Nitrosodiphenylamine	<	10	UG/L	02/24/12	8270DM	
Nitrobenzene	<	10	UG/L	02/24/12	8270DM	
p-Chloro-m-cresol	<	10	UG/L	02/24/12	8270DM	
Phenanthrene	<	10	UG/L	02/24/12	8270DM	
Pyrene	<	10	UG/L	02/24/12	8270DM	
Benzo(ghi)perylene	<	10	UG/L	02/24/12	8270DM	
Benzo(a)anthracene	<	10	UG/L	02/24/12	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	02/24/12	8270DM	
2-Chloronaphthalene	<	10	UG/L	02/24/12	8270DM	
2-Chlorophenol	<	10	UG/L	02/24/12	8270DM	
2-Nitrophenol	<	10	UG/L	02/24/12	8270DM	
Di-n-octylphthalate	<	10	UG/L	02/24/12	8270DM	

Sample Number: 514787
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 EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	02/24/12	8270DM	
2,4-Dimethylphenol	<	10	UG/L	02/24/12	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	02/24/12	8270DM	
2,4-Dinitrophenol	<	25	UG/L	02/24/12	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	02/24/12	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	02/24/12	8270DM	
3,3'-Dichlorobenzidine	<	10	UG/L	02/24/12	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	02/24/12	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	02/24/12	8270DM	
4-Nitrophenol	<	25	UG/L	02/24/12	8270DM	
4,6-Dinitro-o-cresol	<	25	UG/L	02/24/12	8270DM	
Phenol	<	10	UG/L	02/24/12	8270DM	
Naphthalene	<	10	UG/L	02/24/12	8270DM	
Pentachlorophenol	<	25	UG/L	02/24/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	02/24/12	8270DM	
Di-n-butylphthalate	<	10	UG/L	02/24/12	8270DM	
Hexachlorobenzene	<	10	UG/L	02/24/12	8270DM	
Hexachlorobutadiene	<	10	UG/L	02/24/12	8270DM	
Dibenzofuran	<	10	UG/L	02/24/12	8270DM	
2-Methylnaphthalene	<	10	UG/L	02/24/12	8270DM	
2-Methylphenol	<	10	UG/L	02/24/12	8270DM	
4-Methylphenol	<	10	UG/L	02/24/12	8270DM	
2,4,5-Trichlorophenol	<	10	UG/L	02/24/12	8270DM	
4-Chloroaniline	<	10	UG/L	02/24/12	8270DM	
2-Nitroaniline	<	25	UG/L	02/24/12	8270DM	
3-Nitroaniline	<	25	UG/L	02/24/12	8270DM	
4-Nitroaniline	<	25	UG/L	02/24/12	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		47
PHENOL-D5		20
NITROBENZENE-D5		43
P-TERPHENYL-D14		79

Sample Number: 514787
Project Code: RR-BLP
Agency Number:
Date Collected: 2/14/2012
Time Collected: 1340
Date Received: 2/15/2012
Date Completed: 03/14/2012
Collected By: BM
PWS Id:
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Facility:
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OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-800-869-1400
Sample Receiving: (405) 702-1113
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EPA Drinking Water Certification #OK90013

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CC: Ferrella March/LPD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		23
2,4,6-TRIBROMOPHENOL		72

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NU			

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S6-AOC-3D (DUPLICATE); OK311100010190_20; 7.5-8 FT FROM SURFACE

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 2.4

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas

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

* ANALYST

Cassandra Kontas

Sample Number: 514788
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1828
 Date Received: 2/15/2012
 Date Completed: 03/14/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/14/2012

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, Extractab:		1.00				
Acenaphthylene	<	10	UG/L	02/24/12	8270DM	
Acenaphthene	<	10	UG/L	02/24/12	8270DM	
Anthracene	<	10	UG/L	02/24/12	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	02/24/12	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	02/24/12	8270DM	
Benzo(a)pyrene	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroisopropyl)ethe:	<	10	UG/L	02/24/12	8270DM	
Butylbenzylphthalate	<	10	UG/L	02/24/12	8270DM	
Chrysene	<	10	UG/L	02/24/12	8270DM	
Diethylphthalate	<	10	UG/L	02/24/12	8270DM	
Dimethylphthalate	<	10	UG/L	02/24/12	8270DM	
Fluoranthene	<	10	UG/L	02/24/12	8270DM	
Fluorene	<	10	UG/L	02/24/12	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	02/24/12	8270DM	
Hexachloroethane in water	<	10	UG/L	02/24/12	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	02/24/12	8270DM	
Isophorone	<	10	UG/L	02/24/12	8270DM	
Nitrosodipropylamine	<	10	UG/L	02/24/12	8270DM	
Nitrosodiphenylamine	<	10	UG/L	02/24/12	8270DM	
Nitrobenzene	<	10	UG/L	02/24/12	8270DM	
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Phenanthrene	<	10	UG/L	02/24/12	8270DM	
Pyrene	<	10	UG/L	02/24/12	8270DM	
Benzo(ghi)perylene	<	10	UG/L	02/24/12	8270DM	
Benzo(a)anthracene	<	10	UG/L	02/24/12	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	02/24/12	8270DM	
2-Chloronaphthalene	<	10	UG/L	02/24/12	8270DM	
2-Chlorophenol	<	10	UG/L	02/24/12	8270DM	
2-Nitrophenol	<	10	UG/L	02/24/12	8270DM	
Di-n-octylphthalate	<	10	UG/L	02/24/12	8270DM	

Sample Number: 514788
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	02/24/12	8270DM	
2,4-Dimethylphenol	<	10	UG/L	02/24/12	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	02/24/12	8270DM	
2,4-Dinitrophenol	<	25	UG/L	02/24/12	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	02/24/12	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	02/24/12	8270DM	
3,3'-Dichlorobenzidine	<	10	UG/L	02/24/12	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	02/24/12	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	02/24/12	8270DM	
4-Nitrophenol	<	25	UG/L	02/24/12	8270DM	
4,6-Dinitro-o-cresol	<	25	UG/L	02/24/12	8270DM	
Phenol	<	10	UG/L	02/24/12	8270DM	
Naphthalene	<	10	UG/L	02/24/12	8270DM	
Pentachlorophenol	<	25	UG/L	02/24/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	02/24/12	8270DM	
Di-n-butylphthalate	<	10	UG/L	02/24/12	8270DM	
Hexachlorobenzene	<	10	UG/L	02/24/12	8270DM	
Hexachlorobutadiene	<	10	UG/L	02/24/12	8270DM	
Dibenzofuran	<	10	UG/L	02/24/12	8270DM	
2-Methylnaphthalene	<	10	UG/L	02/24/12	8270DM	
2-Methylphenol	<	10	UG/L	02/24/12	8270DM	
4-Methylphenol	<	10	UG/L	02/24/12	8270DM	
2,4,5-Trichlorophenol	<	10	UG/L	02/24/12	8270DM	
4-Chloroaniline	<	10	UG/L	02/24/12	8270DM	
2-Nitroaniline	<	25	UG/L	02/24/12	8270DM	
3-Nitroaniline	<	25	UG/L	02/24/12	8270DM	
4-Nitroaniline	<	25	UG/L	02/24/12	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		52
NITROBENZENE-D5		38
PHENOL-D5		15
2-FLUOROBIPHENYL		37

Sample Number: 514788
Project Code: RR-BLP
Agency Number:
Date Collected: 2/14/2012
Time Collected: 1828
Date Received: 2/15/2012
Date Completed: 03/14/2012
Collected By: BM
PWS Id:
Location Code:
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Report Date: 3/14/2012

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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

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		18
P-TERPHENYL-D14		61

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NU			

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S9-DAOC-1/ADDINGTON BEND; OK311100010190_00;SURFACE

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 1.9

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: 514789
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1820
 Date Received: 2/15/2012
 Date Completed: 03/14/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/14/2012

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: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractabi		1.00				
Acenaphthylene	<	10	UG/L	02/24/12	8270DM	
Acenaphthene	<	10	UG/L	02/24/12	8270DM	
Anthracene	<	10	UG/L	02/24/12	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	02/24/12	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	02/24/12	8270DM	
Benzo(a)pyrene	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroisopropyl)ethe	<	10	UG/L	02/24/12	8270DM	
Butylbenzylphthalate	<	10	UG/L	02/24/12	8270DM	
Chrysene	<	10	UG/L	02/24/12	8270DM	
Diethylphthalate	<	10	UG/L	02/24/12	8270DM	
Dimethylphthalate	<	10	UG/L	02/24/12	8270DM	
Fluoranthene	<	10	UG/L	02/24/12	8270DM	
Fluorene	<	10	UG/L	02/24/12	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	02/24/12	8270DM	
Hexachloroethane in water	<	10	UG/L	02/24/12	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	02/24/12	8270DM	
Isophorone	<	10	UG/L	02/24/12	8270DM	
Nitrosodipropylamine	<	10	UG/L	02/24/12	8270DM	
Nitrosodiphenylamine	<	10	UG/L	02/24/12	8270DM	
Nitrobenzene	<	10	UG/L	02/24/12	8270DM	
p-Chloro-m-cresol	<	10	UG/L	02/24/12	8270DM	
Phenanthrene	<	10	UG/L	02/24/12	8270DM	
Pyrene	<	10	UG/L	02/24/12	8270DM	
Benzo(ghi)perylene	<	10	UG/L	02/24/12	8270DM	
Benzo(a)anthracene	<	10	UG/L	02/24/12	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	02/24/12	8270DM	
2-Chloronaphthalene	<	10	UG/L	02/24/12	8270DM	
2-Chlorophenol	<	10	UG/L	02/24/12	8270DM	
2-Nitrophenol	<	10	UG/L	02/24/12	8270DM	
Di-n-octylphthalate	<	10	UG/L	02/24/12	8270DM	

Sample Number: 514789
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
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 EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	02/24/12	8270DM	
2,4-Dimethylphenol	<	10	UG/L	02/24/12	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	02/24/12	8270DM	
2,4-Dinitrophenol	<	25	UG/L	02/24/12	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	02/24/12	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	02/24/12	8270DM	
3,3'-Dichlorobenzidine	<	10	UG/L	02/24/12	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	02/24/12	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	02/24/12	8270DM	
4-Nitrophenol	<	25	UG/L	02/24/12	8270DM	
4,6-Dinitro-o-cresol	<	25	UG/L	02/24/12	8270DM	
Phenol	<	10	UG/L	02/24/12	8270DM	
Naphthalene	<	10	UG/L	02/24/12	8270DM	
Pentachlorophenol	<	25	UG/L	02/24/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	02/24/12	8270DM	
Di-n-butylphthalate	<	10	UG/L	02/24/12	8270DM	
Hexachlorobenzene	<	10	UG/L	02/24/12	8270DM	
Hexachlorobutadiene	<	10	UG/L	02/24/12	8270DM	
Dibenzofuran	<	10	UG/L	02/24/12	8270DM	
2-Methylnaphthalene	<	10	UG/L	02/24/12	8270DM	
2-Methylphenol	<	10	UG/L	02/24/12	8270DM	
4-Methylphenol	<	10	UG/L	02/24/12	8270DM	
2,4,5-Trichlorophenol	<	10	UG/L	02/24/12	8270DM	
4-Chloroaniline	<	10	UG/L	02/24/12	8270DM	
2-Nitroaniline	<	25	UG/L	02/24/12	8270DM	
3-Nitroaniline	<	25	UG/L	02/24/12	8270DM	
4-Nitroaniline	<	25	UG/L	02/24/12	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		33
PHENOL-D5		16
P-TERPHENYL-D14		67
2-FLUOROBIPHENYL		38

Sample Number: 514789
Project Code: RR-BLP
Agency Number:
Date Collected: 2/14/2012
Time Collected: 1820
Date Received: 2/15/2012
Date Completed: 03/14/2012
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/14/2012

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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 #OK06013

To: File Copy

CC: Ferrella March/LPD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2, 4, 6-TRIBROMOPHENOL		63
2-FLUOROPHENOL		18

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S9-DAOC-2/ADDINGTON BEND; OK311100010190_00;1FT BELOW SURFACE

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 1.9

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: 514790
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1810
 Date Received: 2/15/2012
 Date Completed: 03/14/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/14/2012

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, Extractabi		1.00				
Acenaphthylene	<	10	UG/L	02/24/12	8270DM	
Acenaphthene	<	10	UG/L	02/24/12	8270DM	
Anthracene	<	10	UG/L	02/24/12	8270DM	
Benzo(b)fluoranthene	<	10	UG/L	02/24/12	8270DM	
Benzo(k)fluoranthene	<	10	UG/L	02/24/12	8270DM	
Benzo(a)pyrene	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroethyl)ether	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroethoxy)methane	<	10	UG/L	02/24/12	8270DM	
Bis(2-chloroisopropyl)ether	<	10	UG/L	02/24/12	8270DM	
Butylbenzylphthalate	<	10	UG/L	02/24/12	8270DM	
Chrysene	<	10	UG/L	02/24/12	8270DM	
Diethylphthalate	<	10	UG/L	02/24/12	8270DM	
Dimethylphthalate	<	10	UG/L	02/24/12	8270DM	
Fluoranthene	<	10	UG/L	02/24/12	8270DM	
Fluorene	<	10	UG/L	02/24/12	8270DM	
Hexachlorocyclopentadiene	<	10	UG/L	02/24/12	8270DM	
Hexachloroethane in water	<	10	UG/L	02/24/12	8270DM	
Indeno(123cd)pyrene	<	10	UG/L	02/24/12	8270DM	
Isophorone	<	10	UG/L	02/24/12	8270DM	
Nitrosodipropylamine	<	10	UG/L	02/24/12	8270DM	
Nitrosodiphenylamine	<	10	UG/L	02/24/12	8270DM	
Nitrobenzene	<	10	UG/L	02/24/12	8270DM	
p-Chloro-m-cresol	<	10	UG/L	02/24/12	8270DM	
Phenanthrene	<	10	UG/L	02/24/12	8270DM	
Pyrene	<	10	UG/L	02/24/12	8270DM	
Benzo(ghi)perylene	<	10	UG/L	02/24/12	8270DM	
Benzo(a)anthracene	<	10	UG/L	02/24/12	8270DM	
Dibenzo(ah)anthracene	<	10	UG/L	02/24/12	8270DM	
2-Chloronaphthalene	<	10	UG/L	02/24/12	8270DM	
2-Chlorophenol	<	10	UG/L	02/24/12	8270DM	
2-Nitrophenol	<	10	UG/L	02/24/12	8270DM	
Di-n-octylphthalate	<	10	UG/L	02/24/12	8270DM	

Sample Number: 514790
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1810
 Date Received: 2/15/2012
 Date Completed: 03/14/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/14/2012

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: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2,4-Dichlorophenol	<	10	UG/L	02/24/12	8270DM	
2,4-Dimethylphenol	<	10	UG/L	02/24/12	8270DM	
2,4-Dinitrotoluene	<	10	UG/L	02/24/12	8270DM	
2,4-Dinitrophenol	<	25	UG/L	02/24/12	8270DM	
2,4,6-Trichlorophenol	<	10	UG/L	02/24/12	8270DM	
2,6-Dinitrotoluene	<	10	UG/L	02/24/12	8270DM	
3,3'-Dichlorobenzidine	<	10	UG/L	02/24/12	8270DM	
4-Bromophenylphenyl ether	<	10	UG/L	02/24/12	8270DM	
4-Chlorophenyl phenylether	<	10	UG/L	02/24/12	8270DM	
4-Nitrophenol	<	25	UG/L	02/24/12	8270DM	
4,6-Dinitro-o-cresol	<	25	UG/L	02/24/12	8270DM	
Phenol	<	10	UG/L	02/24/12	8270DM	
Naphthalene	<	10	UG/L	02/24/12	8270DM	
Pentachlorophenol	<	25	UG/L	02/24/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	10	UG/L	02/24/12	8270DM	
Di-n-butylphthalate	<	10	UG/L	02/24/12	8270DM	
Hexachlorobenzene	<	10	UG/L	02/24/12	8270DM	
Hexachlorobutadiene	<	10	UG/L	02/24/12	8270DM	
Dibenzofuran	<	10	UG/L	02/24/12	8270DM	
2-Methylnaphthalene	<	10	UG/L	02/24/12	8270DM	
2-Methylphenol	<	10	UG/L	02/24/12	8270DM	
4-Methylphenol	<	10	UG/L	02/24/12	8270DM	
2,4,5-Trichlorophenol	<	10	UG/L	02/24/12	8270DM	
4-Chloroaniline	<	10	UG/L	02/24/12	8270DM	
2-Nitroaniline	<	25	UG/L	02/24/12	8270DM	
3-Nitroaniline	<	25	UG/L	02/24/12	8270DM	
4-Nitroaniline	<	25	UG/L	02/24/12	8270DM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		20
2-FLUOROBIPHENYL		43
PHENOL-D5		16
NITROBENZENE-D5		44

Sample Number: 514790
Project Code: RR-BLP
Agency Number:
Date Collected: 2/14/2012
Time Collected: 1810
Date Received: 2/15/2012
Date Completed: 03/14/2012
Collected By: BM
PWS Id:
Location Code:
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Facility:
Report Date: 3/14/2012

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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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

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CC: Ferrella March/LPD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
P-TERPHENYL-D14		60
2,4,6-TRIBROMOPHENOL		56

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NU			

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S9-DAOC-3/ADDINGTON BEND; OK311100010190_00;2 FT DEEP W/VANDORN

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 1.9

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: 514791
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1030
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

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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: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractabi		38.2				
Acenaphthylene	<	380	UG/KG	03/02/12	8270DM	
Acenaphthene	<	380	UG/KG	03/02/12	8270DM	
Anthracene	<	380	UG/KG	03/02/12	8270DM	
Benzo(b)fluoranthene	<	380	UG/KG	03/02/12	8270DM	
Benzo(k)fluoranthene	<	380	UG/KG	03/02/12	8270DM	
Benzo(a)pyrene	<	380	UG/KG	03/02/12	8270DM	
Bis(2-chloroethyl)ether	<	380	UG/KG	03/02/12	8270DM	
Bis(2-chloroethoxy)methane	<	380	UG/KG	03/02/12	8270DM	
Bis(2-chloroisopropyl)ethe	<	380	UG/KG	03/02/12	8270DM	
Butylbenzylphthalate	<	380	UG/KG	03/02/12	8270DM	
Chrysene	<	380	UG/KG	03/02/12	8270DM	
Diethylphthalate	<	380	UG/KG	03/02/12	8270DM	
Dimethylphthalate	<	380	UG/KG	03/02/12	8270DM	
Fluoranthene	<	380	UG/KG	03/02/12	8270DM	
Fluorene	<	380	UG/KG	03/02/12	8270DM	
Hexachlorocyclopentadiene	<	380	UG/KG	03/02/12	8270DM	
Hexachloroethane	<	380	UG/KG	03/02/12	8270DM	
Indeno(123cd)pyrene	<	380	UG/KG	03/02/12	8270DM	
Isophorone	<	380	UG/KG	03/02/12	8270DM	
Nitrosodipropylamine	<	380	UG/KG	03/02/12	8270DM	
Nitrosodiphenylamine	<	380	UG/KG	03/02/12	8270DM	
Naphthalene	<	380	UG/KG	03/02/12	8270DM	
Nitrobenzene	<	380	UG/KG	03/02/12	8270DM	
p-Chloro-m-cresol	<	380	UG/KG	03/02/12	8270DM	
Phenanthrene	<	380	UG/KG	03/02/12	8270DM	
Pyrene	<	380	UG/KG	03/02/12	8270DM	
Benzo(ghi)perylene	<	380	UG/KG	03/02/12	8270DM	
Benzo(a)anthracene	<	380	UG/KG	03/02/12	8270DM	
Dibenzo(ah)anthracene	<	380	UG/KG	03/02/12	8270DM	
2-Chloronaphthalene	<	380	UG/KG	03/02/12	8270DM	
2-Chlorophenol	<	380	UG/KG	03/02/12	8270DM	
2-Nitrophenol	<	380	UG/KG	03/02/12	8270DM	

Sample Number: 514791
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1030
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

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 #OK06013

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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate	<	380	UG/KG	03/02/12	8270DM	
2,4-Dichlorophenol	<	380	UG/KG	03/02/12	8270DM	
2,4-Dimethylphenol	<	380	UG/KG	03/02/12	8270DM	
2,4-Dinitrotoluene	<	380	UG/KG	03/02/12	8270DM	
2,4-Dinitrophenol	<	970	UG/KG	03/02/12	8270DM	
2,4,6-Trichlorophenol	<	380	UG/KG	03/02/12	8270DM	
2,6-Dinitrotoluene	<	380	UG/KG	03/02/12	8270DM	
3,3'-Dichlorobenzidine	<	380	UG/KG	03/02/12	8270DM	
4-Bromophenylphenyl ether	<	380	UG/KG	03/02/12	8270DM	
4-Chlorophenyl phenylether	<	380	UG/KG	03/02/12	8270DM	
4-Nitrophenol	<	970	UG/KG	03/02/12	8270DM	
4,6-Dinitro-o-cresol	<	970	UG/KG	03/02/12	8270DM	
Phenol	<	380	UG/KG	03/02/12	8270DM	
Pentachlorophenol	<	970	UG/KG	03/02/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	380	UG/KG	03/02/12	8270DM	
Di-n-butylphthalate	<	380	UG/KG	03/02/12	8270DM	
Hexachlorobenzene	<	380	UG/KG	03/02/12	8270DM	
Hexachlorobutadiene	<	380	UG/KG	03/02/12	8270DM	
Dibenzofuran	<	380	UG/KG	03/02/12	8270DM	
2-Methylphenol	<	380	UG/KG	03/02/12	8270DM	
4-Methylphenol	<	380	UG/KG	03/02/12	8270DM	
2,4,5-Trichlorophenol	<	380	UG/KG	03/02/12	8270DM	
4-Chloroaniline	<	380	UG/KG	03/02/12	8270DM	
2-Nitroaniline	<	970	UG/KG	03/02/12	8270DM	
3-Nitroaniline	<	970	UG/KG	03/02/12	8270DM	
4-Nitroaniline	<	970	UG/KG	03/02/12	8270DM	
2-Methylnaphthalene	<	380	UG/KG	03/02/12	8270DM	
Moisture - GC/MS Lab		14.	%	03/02/12	CLP 04.2	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
P-TERPHENYL-D14		70
2,4,6-TRIBROMOPHENOL		73
PHENOL-D5		60

Sample Number: 514791
Project Code: RR-BLP
Agency Number:
Date Collected: 2/14/2012
Time Collected: 1030
Date Received: 2/15/2012
Date Completed: 03/22/2012
Collected By: TD
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/22/2012

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

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		60
2-FLUOROBIPHENYL		59
2-FLUOROPHENOL		57

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S1-UAOC/DAVIDSON/HWY 70 BRIDGE;OK311310010010_00

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: 514792
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1400
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

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, Extractab:			40.5				
Acenaphthylene	UJ	<	410	UG/KG	03/02/12	8270DM	
Acenaphthene	UJ	<	410	UG/KG	03/02/12	8270DM	
Anthracene		<	410	UG/KG	03/02/12	8270DM	
Benzo(b)fluoranthene		<	410	UG/KG	03/02/12	8270DM	
Benzo(k)fluoranthene		<	410	UG/KG	03/02/12	8270DM	
Benzo(a)pyrene		<	410	UG/KG	03/02/12	8270DM	
Bis(2-chloroethyl)ether		<	410	UG/KG	03/02/12	8270DM	
Bis(2-chloroethoxy)methane		<	410	UG/KG	03/02/12	8270DM	
Bis(2-chloroisopropyl)ethe		<	410	UG/KG	03/02/12	8270DM	
Butylbenzylphthalate		<	410	UG/KG	03/02/12	8270DM	
Chrysene		<	410	UG/KG	03/02/12	8270DM	
Diethylphthalate	UJ	<	410	UG/KG	03/02/12	8270DM	
Dimethylphthalate	UJ	<	410	UG/KG	03/02/12	8270DM	
Fluoranthene		<	410	UG/KG	03/02/12	8270DM	
Fluorene	UJ	<	410	UG/KG	03/02/12	8270DM	
Hexachlorocyclopentadiene	UJ	<	410	UG/KG	03/02/12	8270DM	
Hexachloroethane		<	410	UG/KG	03/02/12	8270DM	
Indeno(123cd)pyrene		<	410	UG/KG	03/02/12	8270DM	
Isophorone		<	410	UG/KG	03/02/12	8270DM	
Nitrosodipropylamine		<	410	UG/KG	03/02/12	8270DM	
Nitrosodiphenylamine		<	410	UG/KG	03/02/12	8270DM	
Naphthalene		<	410	UG/KG	03/02/12	8270DM	
Nitrobenzene		<	410	UG/KG	03/02/12	8270DM	
p-Chloro-m-cresol		<	410	UG/KG	03/02/12	8270DM	
Phenanthrene		<	410	UG/KG	03/02/12	8270DM	
Pyrene		<	410	UG/KG	03/02/12	8270DM	
Benzo(ghi)perylene		<	410	UG/KG	03/02/12	8270DM	
Benzo(a)anthracene		<	410	UG/KG	03/02/12	8270DM	
Dibenzo(ah)anthracene		<	410	UG/KG	03/02/12	8270DM	
2-Chloronaphthalene	UJ	<	410	UG/KG	03/02/12	8270DM	
2-Chlorophenol		<	410	UG/KG	03/02/12	8270DM	
2-Nitrophenol		<	410	UG/KG	03/02/12	8270DM	

Sample Number: 514792
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1400
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

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 #OKS0013

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate	<	410	UG/KG	03/02/12	8270DM	
2,4-Dichlorophenol	<	410	UG/KG	03/02/12	8270DM	
2,4-Dimethylphenol	<	410	UG/KG	03/02/12	8270DM	
2,4-Dinitrotoluene	UJ <	410	UG/KG	03/02/12	8270DM	
2,4-Dinitrophenol	UJ <	1000	UG/KG	03/02/12	8270DM	
2,4,6-Trichlorophenol	UJ <	410	UG/KG	03/02/12	8270DM	
2,6-Dinitrotoluene	UJ <	410	UG/KG	03/02/12	8270DM	
3,3'-Dichlorobenzidine	<	410	UG/KG	03/02/12	8270DM	
4-Bromophenylphenyl ether	<	410	UG/KG	03/02/12	8270DM	
4-Chlorophenyl phenylether	UJ <	410	UG/KG	03/02/12	8270DM	
4-Nitrophenol	UJ <	1000	UG/KG	03/02/12	8270DM	
4,6-Dinitro-o-cresol	<	1000	UG/KG	03/02/12	8270DM	
Phenol	<	410	UG/KG	03/02/12	8270DM	
Pentachlorophenol	<	1000	UG/KG	03/02/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	410	UG/KG	03/02/12	8270DM	
Di-n-butylphthalate	<	410	UG/KG	03/02/12	8270DM	
Hexachlorobenzene	<	410	UG/KG	03/02/12	8270DM	
Hexachlorobutadiene	<	410	UG/KG	03/02/12	8270DM	
Dibenzofuran	UJ <	410	UG/KG	03/02/12	8270DM	
2-Methylphenol	<	410	UG/KG	03/02/12	8270DM	
4-Methylphenol	<	410	UG/KG	03/02/12	8270DM	
2,4,5-Trichlorophenol	UJ <	410	UG/KG	03/02/12	8270DM	
4-Chloroaniline	<	410	UG/KG	03/02/12	8270DM	
2-Nitroaniline	UJ <	1000	UG/KG	03/02/12	8270DM	
3-Nitroaniline	UJ <	1000	UG/KG	03/02/12	8270DM	
4-Nitroaniline	UJ <	1000	UG/KG	03/02/12	8270DM	
2-Methylnaphthalene	<	410	UG/KG	03/02/12	8270DM	
% Moisture - GC/MS Lab		17.	%	03/02/12	CLP 04.2	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		56
P-TERPHENYL-D14		73
2-FLUOROBIPHENYL (QCF)		57

Sample Number: 514792
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1400
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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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: File Copy

CC: Ferrella March/LPD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		60
2,4,6-TRIBROMOPHENOL		74
PHENOL-D5		59

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S2-UAOC/BURKBURNETT/I-44 BRIDGE; OK311310010010_00

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas (NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis. (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 inaccurately biased low (based on an associated surrogate compound having relatively low recovery as compared to in-house control limit criteria). (QCF) Quality Control Failure: the surrogate 2-fluorobiphenyl recovered below the in-house control limit of 58%.

* ANALYST Cassandra Kontas

Sample Number: 514793
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1624
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

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, Extractab.		39.5				
Acenaphthylene	UJ <	410	UG/KG	03/02/12	8270DM	
Acenaphthene	UJ <	410	UG/KG	03/02/12	8270DM	
Anthracene	<	410	UG/KG	03/02/12	8270DM	
Benzo(b)fluoranthene	<	410	UG/KG	03/02/12	8270DM	
Benzo(k)fluoranthene	<	410	UG/KG	03/02/12	8270DM	
Benzo(a)pyrene	<	410	UG/KG	03/02/12	8270DM	
Bis(2-chloroethyl)ether	<	410	UG/KG	03/02/12	8270DM	
Bis(2-chloroethoxy)methane	UJ <	410	UG/KG	03/02/12	8270DM	
Bis(2-chloroisopropyl)ethe	<	410	UG/KG	03/02/12	8270DM	
Butylbenzylphthalate	<	410	UG/KG	03/02/12	8270DM	
Chrysene	<	410	UG/KG	03/02/12	8270DM	
Diethylphthalate	UJ <	410	UG/KG	03/02/12	8270DM	
Dimethylphthalate	UJ <	410	UG/KG	03/02/12	8270DM	
Fluoranthene	<	410	UG/KG	03/02/12	8270DM	
Fluorene	UJ <	410	UG/KG	03/02/12	8270DM	
Hexachlorocyclopentadiene	UJ <	410	UG/KG	03/02/12	8270DM	
Hexachloroethane	<	410	UG/KG	03/02/12	8270DM	
Indeno(123cd)pyrene	<	410	UG/KG	03/02/12	8270DM	
Isophorone	UJ <	410	UG/KG	03/02/12	8270DM	
Nitrosodipropylamine	<	410	UG/KG	03/02/12	8270DM	
Nitrosodiphenylamine	<	410	UG/KG	03/02/12	8270DM	
Naphthalene	UJ <	410	UG/KG	03/02/12	8270DM	
Nitrobenzene	UJ <	410	UG/KG	03/02/12	8270DM	
p-Chloro-m-cresol	UJ <	410	UG/KG	03/02/12	8270DM	
Phenanthrene	<	410	UG/KG	03/02/12	8270DM	
Pyrene	<	410	UG/KG	03/02/12	8270DM	
Benzo(ghi)perylene	<	410	UG/KG	03/02/12	8270DM	
Benzo(a)anthracene	<	410	UG/KG	03/02/12	8270DM	
Qibenzo(ah)anthracene	<	410	UG/KG	03/02/12	8270DM	
2-Chloronaphthalene	UJ <	410	UG/KG	03/02/12	8270DM	
2-Chlorophenol	<	410	UG/KG	03/02/12	8270DM	
2-Nitrophenol	UJ <	410	UG/KG	03/02/12	8270DM	

Sample Number: 514793
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CC: Ferrella March/LPD

Name	Qualifier		Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate		<	410	UG/KG	03/02/12	8270DM	
2,4-Dichlorophenol	UJ	<	410	UG/KG	03/02/12	8270DM	
2,4-Dimethylphenol	UJ	<	410	UG/KG	03/02/12	8270DM	
2,4-Dinitrotoluene	UJ	<	410	UG/KG	03/02/12	8270DM	
2,4-Dinitrophenol	UJ	<	990	UG/KG	03/02/12	8270DM	
2,4,6-Trichlorophenol	UJ	<	410	UG/KG	03/02/12	8270DM	
2,6-Dinitrotoluene	UJ	<	410	UG/KG	03/02/12	8270DM	
3,3'-Dichlorobenzidine		<	410	UG/KG	03/02/12	8270DM	
4-Bromophenylphenyl ether		<	410	UG/KG	03/02/12	8270DM	
4-Chlorophenyl phenylether	UJ	<	410	UG/KG	03/02/12	8270DM	
4-Nitrophenol	UJ	<	990	UG/KG	03/02/12	8270DM	
4,6-Dinitro-o-cresol		<	990	UG/KG	03/02/12	8270DM	
Phenol		<	410	UG/KG	03/02/12	8270DM	
Pentachlorophenol		<	990	UG/KG	03/02/12	8270DM	
Bis(2-ethylhexyl)phthalate		<	410	UG/KG	03/02/12	8270DM	
Di-n-butylphthalate		<	410	UG/KG	03/02/12	8270DM	
Hexachlorobenzene		<	410	UG/KG	03/02/12	8270DM	
Hexachlorobutadiene	UJ	<	410	UG/KG	03/02/12	8270DM	
Dibenzofuran	UJ	<	410	UG/KG	03/02/12	8270DM	
2-Methylphenol		<	410	UG/KG	03/02/12	8270DM	
4-Methylphenol		<	410	UG/KG	03/02/12	8270DM	
2,4,5-Trichlorophenol	UJ	<	410	UG/KG	03/02/12	8270DM	
4-Chloroaniline	UJ	<	410	UG/KG	03/02/12	8270DM	
2-Nitroaniline	UJ	<	990	UG/KG	03/02/12	8270DM	
3-Nitroaniline	UJ	<	990	UG/KG	03/02/12	8270DM	
4-Nitroaniline	UJ	<	990	UG/KG	03/02/12	8270DM	
2-Methylnaphthalene	UJ	<	410	UG/KG	03/02/12	8270DM	
% Moisture - GC/MS Lab			16.	%	03/02/12	CLP 04.2	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL (QCF)		42
2,4,6-TRIBROMOPHENOL		69
P-TERPHENYL-D14		74

Sample Number: 514793
Project Code: RR-BLP
Agency Number:
Date Collected: 2/14/2012
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EPA Drinking Water Certification #OK00013

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CC: Ferrella March/LPD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5 (QCF)		47
PHENOL-D5		57
2-FLUOROPHENOL		51

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S3-UAOC/DOWNSTREAM CACHE CREEK;OK311200000010_00

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas (NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis. (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 inaccurately biased low (based on an associated surrogate compound having relatively low recovery as compared to in-house control limit criteria). (QCF) Quality Control Failure: the surrogate 2-fluorobiphenyl recovered below the in-house control limit of 58%, and the surrogate nitrobenzene-d5 recovered below the in-house control limit of 48%.

* * ANALYST

Cassandra Kontas

Sample Number: 514794
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1545
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: HC
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab.		39.8				
Acenaphthylene	UJ <	400	UG/KG	03/02/12	8270DM	
Acenaphthene	UJ <	400	UG/KG	03/02/12	8270DM	
Anthracene	<	400	UG/KG	03/02/12	8270DM	
Benzo(b)fluoranthene	<	400	UG/KG	03/02/12	8270DM	
Benzo(k)fluoranthene	<	400	UG/KG	03/02/12	8270DM	
Benzo(a)pyrene	<	400	UG/KG	03/02/12	8270DM	
Bis(2-chloroethyl)ether	<	400	UG/KG	03/02/12	8270DM	
Bis(2-chloroethoxy)methane	<	400	UG/KG	03/02/12	8270DM	
Bis(2-chloroisopropyl)ether	<	400	UG/KG	03/02/12	8270DM	
Butylbenzylphthalate	<	400	UG/KG	03/02/12	8270DM	
Chrysene	<	400	UG/KG	03/02/12	8270DM	
Diethylphthalate	UJ <	400	UG/KG	03/02/12	8270DM	
Dimethylphthalate	UJ <	400	UG/KG	03/02/12	8270DM	
Fluoranthene	<	400	UG/KG	03/02/12	8270DM	
Fluorene	UJ <	400	UG/KG	03/02/12	8270DM	
Hexachlorocyclopentadiene	UJ <	400	UG/KG	03/02/12	8270DM	
Hexachloroethane	<	400	UG/KG	03/02/12	8270DM	
Indeno(123cd)pyrene	<	400	UG/KG	03/02/12	8270DM	
Isophorone	<	400	UG/KG	03/02/12	8270DM	
Nitrosodipropylamine	<	400	UG/KG	03/02/12	8270DM	
Nitrosodiphenylamine	<	400	UG/KG	03/02/12	8270DM	
Naphthalene	<	400	UG/KG	03/02/12	8270DM	
Nitrobenzene	<	400	UG/KG	03/02/12	8270DM	
p-Chloro-m-cresol	<	400	UG/KG	03/02/12	8270DM	
Phenanthrene	<	400	UG/KG	03/02/12	8270DM	
Pyrene	<	400	UG/KG	03/02/12	8270DM	
Benzo(ghi)perylene	<	400	UG/KG	03/02/12	8270DM	
Benzo(a)anthracene	<	400	UG/KG	03/02/12	8270DM	
Dibenzo(ah)anthracene	<	400	UG/KG	03/02/12	8270DM	
2-Chloronaphthalene	UJ <	400	UG/KG	03/02/12	8270DM	
2-Chlorophenol	<	400	UG/KG	03/02/12	8270DM	
2-Nitrophenol	<	400	UG/KG	03/02/12	8270DM	

Sample Number: 514794
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1545
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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate	<	400	UG/KG	03/02/12	8270DM	
2,4-Dichlorophenol	<	400	UG/KG	03/02/12	8270DM	
2,4-Dimethylphenol	<	400	UG/KG	03/02/12	8270DM	
2,4-Dinitrotoluene	UJ <	400	UG/KG	03/02/12	8270DM	
2,4-Dinitrophenol	UJ <	1010	UG/KG	03/02/12	8270DM	
2,4,6-Trichlorophenol	UJ <	400	UG/KG	03/02/12	8270DM	
2,6-Dinitrotoluene	UJ <	400	UG/KG	03/02/12	8270DM	
3,3'-Dichlorobenzidine	<	400	UG/KG	03/02/12	8270DM	
4-Bromophenylphenyl ether	<	400	UG/KG	03/02/12	8270DM	
4-Chlorophenyl phenylether	UJ <	400	UG/KG	03/02/12	8270DM	
4-Nitrophenol	UJ <	1010	UG/KG	03/02/12	8270DM	
4,6-Dinitro-o-cresol	<	1010	UG/KG	03/02/12	8270DM	
Phenol	<	400	UG/KG	03/02/12	8270DM	
Pentachlorophenol	<	1010	UG/KG	03/02/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	400	UG/KG	03/02/12	8270DM	
Di-n-butylphthalate	<	400	UG/KG	03/02/12	8270DM	
Hexachlorobenzene	<	400	UG/KG	03/02/12	8270DM	
Hexachlorobutadiene	<	400	UG/KG	03/02/12	8270DM	
Dibenzofuran	UJ <	400	UG/KG	03/02/12	8270DM	
2-Methylphenol	<	400	UG/KG	03/02/12	8270DM	
4-Methylphenol	<	400	UG/KG	03/02/12	8270DM	
2,4,5-Trichlorophenol	UJ <	400	UG/KG	03/02/12	8270DM	
4-Chloroaniline	<	400	UG/KG	03/02/12	8270DM	
2-Nitroaniline	UJ <	1010	UG/KG	03/02/12	8270DM	
3-Nitroaniline	UJ <	1010	UG/KG	03/02/12	8270DM	
4-Nitroaniline	UJ <	1010	UG/KG	03/02/12	8270DM	
2-Methylnaphthalene	<	400	UG/KG	03/02/12	8270DM	
% Moisture - GC/MS Lab		17.	%	03/02/12	CLP 04.2	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		57
2,4,6-TRIBROMOPHENOL		69
P-TERPHENYL-D14		70

Sample Number: 514794
Project Code: RR-BLP
Agency Number:
Date Collected: 2/14/2012
Time Collected: 1545
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EPA Drinking Water Certification #OK00013

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CC: Ferrella March/LPD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		54
PHENOL-D5		57
2-FLUOROBIPHENYL (QCF)		58

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S4-UAOC/HWY79 BRIDGE;OK311200000010_00

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas (NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis. (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 inaccurately biased low (based on an associated surrogate compound having relatively low recovery as compared to in-house control limit criteria). (QCF) Quality Control Failure: the surrogate 2-fluorobiphenyl recovered below the in-house control limit of 58%.

* ANALYST



Sample Number: 514795
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1313
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: HC
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

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To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractabl		39.9				
Acenaphthylene	<	400	UG/KG	03/02/12	8270DM	
Acenaphthene	<	400	UG/KG	03/02/12	8270DM	
Anthracene	<	400	UG/KG	03/02/12	8270DM	
Benzo(b) fluoranthene	<	400	UG/KG	03/02/12	8270DM	
Benzo(k) fluoranthene	<	400	UG/KG	03/02/12	8270DM	
Benzo(a)pyrene	<	400	UG/KG	03/02/12	8270DM	
Bis(2-chloroethyl)ether	<	400	UG/KG	03/02/12	8270DM	
Bis(2-chloroethoxy)methane	<	400	UG/KG	03/02/12	8270DM	
Bis(2-chloroisopropyl)ethe	<	400	UG/KG	03/02/12	8270DM	
Butylbenzylphthalate	<	400	UG/KG	03/02/12	8270DM	
Chrysene	<	400	UG/KG	03/02/12	8270DM	
Diethylphthalate	<	400	UG/KG	03/02/12	8270DM	
Dimethylphthalate	<	400	UG/KG	03/02/12	8270DM	
Fluoranthene	<	400	UG/KG	03/02/12	8270DM	
Fluorene	<	400	UG/KG	03/02/12	8270DM	
Hexachlorocyclopentadiene	<	400	UG/KG	03/02/12	8270DM	
Hexachloroethane	<	400	UG/KG	03/02/12	8270DM	
Indeno(123cd)pyrene	<	400	UG/KG	03/02/12	8270DM	
Isophorone	<	400	UG/KG	03/02/12	8270DM	
Nitrosodipropylamine	<	400	UG/KG	03/02/12	8270DM	
Nitrosodiphenylamine	<	400	UG/KG	03/02/12	8270DM	
Naphthalene	<	400	UG/KG	03/02/12	8270DM	
Nitrobenzene	<	400	UG/KG	03/02/12	8270DM	
p-Chloro-m-cresol	<	400	UG/KG	03/02/12	8270DM	
Phenanthrene	<	400	UG/KG	03/02/12	8270DM	
Pyrene	<	400	UG/KG	03/02/12	8270DM	
Benzo(ghi)perylene	<	400	UG/KG	03/02/12	8270DM	
Benzo(a)anthracene	<	400	UG/KG	03/02/12	8270DM	
Dibenzo(ah)anthracene	<	400	UG/KG	03/02/12	8270DM	
2-Chloronaphthalene	<	400	UG/KG	03/02/12	8270DM	
2-Chlorophenol	<	400	UG/KG	03/02/12	8270DM	
2-Nitrophenol	<	400	UG/KG	03/02/12	8270DM	

Sample Number: 514795
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CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate	<	400	UG/KG	03/02/12	8270DM	
2,4-Dichlorophenol	<	400	UG/KG	03/02/12	8270DM	
2,4-Dimethylphenol	<	400	UG/KG	03/02/12	8270DM	
2,4-Dinitrotoluene	<	400	UG/KG	03/02/12	8270DM	
2,4-Dinitrophenol	<	1000	UG/KG	03/02/12	8270DM	
2,4,6-Trichlorophenol	<	400	UG/KG	03/02/12	8270DM	
2,6-Dinitrotoluene	<	400	UG/KG	03/02/12	8270DM	
3,3'-Dichlorobenzidine	<	400	UG/KG	03/02/12	8270DM	
4-Bromophenylphenyl ether	<	400	UG/KG	03/02/12	8270DM	
4-Chlorophenyl phenylether	<	400	UG/KG	03/02/12	8270DM	
4-Nitrophenol	<	1000	UG/KG	03/02/12	8270DM	
4,6-Dinitro-o-cresol	<	1000	UG/KG	03/02/12	8270DM	
Phenol	<	400	UG/KG	03/02/12	8270DM	
Pentachlorophenol	<	1000	UG/KG	03/02/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	400	UG/KG	03/02/12	8270DM	
Di-n-butylphthalate	<	400	UG/KG	03/02/12	8270DM	
Hexachlorobenzene	<	400	UG/KG	03/02/12	8270DM	
Hexachlorobutadiene	<	400	UG/KG	03/02/12	8270DM	
Dibenzofuran	<	400	UG/KG	03/02/12	8270DM	
2-Methylphenol	<	400	UG/KG	03/02/12	8270DM	
4-Methylphenol	<	400	UG/KG	03/02/12	8270DM	
2,4,5-Trichlorophenol	<	400	UG/KG	03/02/12	8270DM	
4-Chloroaniline	<	400	UG/KG	03/02/12	8270DM	
2-Nitroaniline	<	1000	UG/KG	03/02/12	8270DM	
3-Nitroaniline	<	1000	UG/KG	03/02/12	8270DM	
4-Nitroaniline	<	1000	UG/KG	03/02/12	8270DM	
2-Methylnaphthalene	<	400	UG/KG	03/02/12	8270DM	
% Moisture - GC/MS Lab		16.	%	03/02/12	CLP 04.2	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		62
2-FLUOROPHENOL		57
PHENOL-D5		60

Sample Number: 514795
Project Code: RR-BLP
Agency Number:
Date Collected: 2/14/2012
Time Collected: 1313
Date Received: 2/15/2012
Date Completed: 03/22/2012
Collected By: HC
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/22/2012

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

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		62
2,4,6-TRIBROMOPHENOL		75
P-TERPHENYL-D14		73

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NU			

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S5-AOC/HWY 81 BRIDGE;OK311100010190_20

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: 514796
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 0947
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: HC
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

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 #OK00613

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		40.3				
Acenaphthylene	<	400	UG/KG	03/02/12	8270DM	
Acenaphthene	<	400	UG/KG	03/02/12	8270DM	
Anthracene	<	400	UG/KG	03/02/12	8270DM	
Benzo(b)fluoranthene	<	400	UG/KG	03/02/12	8270DM	
Benzo(k)fluoranthene	<	400	UG/KG	03/02/12	8270DM	
Benzo(a)pyrene	<	400	UG/KG	03/02/12	8270DM	
Bis(2-chloroethyl)ether	<	400	UG/KG	03/02/12	8270DM	
Bis(2-chloroethoxy)methane	<	400	UG/KG	03/02/12	8270DM	
Bis(2-chloroisopropyl)ether	<	400	UG/KG	03/02/12	8270DM	
Butylbenzylphthalate	<	400	UG/KG	03/02/12	8270DM	
Chrysene	<	400	UG/KG	03/02/12	8270DM	
Diethylphthalate	<	400	UG/KG	03/02/12	8270DM	
Dimethylphthalate	<	400	UG/KG	03/02/12	8270DM	
Fluoranthene	<	400	UG/KG	03/02/12	8270DM	
Fluorene	<	400	UG/KG	03/02/12	8270DM	
Hexachlorocyclopentadiene	<	400	UG/KG	03/02/12	8270DM	
Hexachloroethane	<	400	UG/KG	03/02/12	8270DM	
Indeno(123cd)pyrene	<	400	UG/KG	03/02/12	8270DM	
Isophorone	<	400	UG/KG	03/02/12	8270DM	
Nitrosodipropylamine	<	400	UG/KG	03/02/12	8270DM	
Nitrosodiphenylamine	<	400	UG/KG	03/02/12	8270DM	
Naphthalene	<	400	UG/KG	03/02/12	8270DM	
Nitrobenzene	<	400	UG/KG	03/02/12	8270DM	
p-Chloro-m-cresol	<	400	UG/KG	03/02/12	8270DM	
Phenanthrene	<	400	UG/KG	03/02/12	8270DM	
Pyrene	<	400	UG/KG	03/02/12	8270DM	
Benzo(ghi)perylene	<	400	UG/KG	03/02/12	8270DM	
Benzo(a)anthracene	<	400	UG/KG	03/02/12	8270DM	
Dibenzo(ah)anthracene	<	400	UG/KG	03/02/12	8270DM	
2-Chloronaphthalene	<	400	UG/KG	03/02/12	8270DM	
2-Chlorophenol	<	400	UG/KG	03/02/12	8270DM	
3-Nitrophenol	<	400	UG/KG	03/02/12	8270DM	

Sample Number: 514796
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 0947
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: HC
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

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
Di-n-octylphthalate	<	400	UG/KG	03/02/12	8270DM	
2,4-Dichlorophenol	<	400	UG/KG	03/02/12	8270DM	
2,4-Dimethylphenol	<	400	UG/KG	03/02/12	8270DM	
2,4-Dinitrotoluene	<	400	UG/KG	03/02/12	8270DM	
2,4-Dinitrophenol	<	1000	UG/KG	03/02/12	8270DM	
2,4,6-Trichlorophenol	<	400	UG/KG	03/02/12	8270DM	
2,6-Dinitrotoluene	<	400	UG/KG	03/02/12	8270DM	
3,3'-Dichlorobenzidine	<	400	UG/KG	03/02/12	8270DM	
4-Bromophenylphenyl ether	<	400	UG/KG	03/02/12	8270DM	
4-Chlorophenyl phenylether	<	400	UG/KG	03/02/12	8270DM	
4-Nitrophenol	<	1000	UG/KG	03/02/12	8270DM	
4,6-Dinitro-o-cresol	<	1000	UG/KG	03/02/12	8270DM	
Phenol	<	400	UG/KG	03/02/12	8270DM	
Pentachlorophenol	<	1000	UG/KG	03/02/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	400	UG/KG	03/02/12	8270DM	
Di-n-butylphthalate	<	400	UG/KG	03/02/12	8270DM	
Hexachlorobenzene	<	400	UG/KG	03/02/12	8270DM	
Hexachlorobutadiene	<	400	UG/KG	03/02/12	8270DM	
Dibenzofuran	<	400	UG/KG	03/02/12	8270DM	
2-Methylphenol	<	400	UG/KG	03/02/12	8270DM	
4-Methylphenol	<	400	UG/KG	03/02/12	8270DM	
2,4,5-Trichlorophenol	<	400	UG/KG	03/02/12	8270DM	
4-Chloroaniline	<	400	UG/KG	03/02/12	8270DM	
2-Nitroaniline	<	1000	UG/KG	03/02/12	8270DM	
3-Nitroaniline	<	1000	UG/KG	03/02/12	8270DM	
4-Nitroaniline	<	1000	UG/KG	03/02/12	8270DM	
2-Methylnaphthalene	<	400	UG/KG	03/02/12	8270DM	
% Moisture - GC/MS Lab		17.	%	03/02/12	CLP 04.2	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		58
2-FLUOROPHENOL		56
NITROBENZENE-D5		59

Sample Number: 514796
Project Code: RR-BLP
Agency Number:
Date Collected: 2/14/2012
Time Collected: 0947
Date Received: 2/15/2012
Date Completed: 03/22/2012
Collected By: HC
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/22/2012

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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: File Copy

CC: Ferrella March/LPD

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		59
2,4,6-TRIBROMOPHENOL		70
P-TERPHENYL-D14		70

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S8-DAOC/HWY 89 BRIDGE;OK311100010190_20

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: 514797
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1059
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: BM
 FWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

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, Extractab		42.0				
Acenaphthylene	<	420	UG/KG	03/02/12	8270DM	
Acenaphthene	<	420	UG/KG	03/02/12	8270DM	
Anthracene	<	420	UG/KG	03/02/12	8270DM	
Benzo(b)fluoranthene	<	420	UG/KG	03/02/12	8270DM	
Benzo(k)fluoranthene	<	420	UG/KG	03/02/12	8270DM	
Benzo(a)pyrene	<	420	UG/KG	03/02/12	8270DM	
Bis(2-chloroethyl)ether	<	420	UG/KG	03/02/12	8270DM	
Bis(2-chloroethoxy)methane	<	420	UG/KG	03/02/12	8270DM	
Bis(2-chloroisopropyl)ethe	<	420	UG/KG	03/02/12	8270DM	
Butylbenzylphthalate	<	420	UG/KG	03/02/12	8270DM	
Chrysene	<	420	UG/KG	03/02/12	8270DM	
Diethylphthalate	<	420	UG/KG	03/02/12	8270DM	
Dimethylphthalate	<	420	UG/KG	03/02/12	8270DM	
Fluoranthene	<	420	UG/KG	03/02/12	8270DM	
Fluorene	<	420	UG/KG	03/02/12	8270DM	
Hexachlorocyclopentadiene	<	420	UG/KG	03/02/12	8270DM	
Hexachloroethane	<	420	UG/KG	03/02/12	8270DM	
Indeno(123cd)pyrene	<	420	UG/KG	03/02/12	8270DM	
Isophorone	<	420	UG/KG	03/02/12	8270DM	
Nitrosodipropylamine	<	420	UG/KG	03/02/12	8270DM	
Nitrosodiphenylamine	<	420	UG/KG	03/02/12	8270DM	
Naphthalene	<	420	UG/KG	03/02/12	8270DM	
Nitrobenzene	<	420	UG/KG	03/02/12	8270DM	
p-Chloro-m-cresol	<	420	UG/KG	03/02/12	8270DM	
Phenanthrene	<	420	UG/KG	03/02/12	8270DM	
Pyrene	<	420	UG/KG	03/02/12	8270DM	
Benzo(ghi)perylene	<	420	UG/KG	03/02/12	8270DM	
Benzo(a)anthracene	<	420	UG/KG	03/02/12	8270DM	
Dibenzo(ah)anthracene	<	420	UG/KG	03/02/12	8270DM	
2-Chloronaphthalene	<	420	UG/KG	03/02/12	8270DM	
2-Chlorophenol	<	420	UG/KG	03/02/12	8270DM	
2-Nitrophenol	<	420	UG/KG	03/02/12	8270DM	

Sample Number: 514797
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1059
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

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
Di-n-octylphthalate	<	420	UG/KG	03/02/12	8270DM	
2,4-Dichlorophenol	<	420	UG/KG	03/02/12	8270DM	
2,4-Dimethylphenol	<	420	UG/KG	03/02/12	8270DM	
2,4-Dinitrotoluene	<	420	UG/KG	03/02/12	8270DM	
2,4-Dinitrophenol	<	1100	UG/KG	03/02/12	8270DM	
2,4,6-Trichlorophenol	<	420	UG/KG	03/02/12	8270DM	
2,6-Dinitrotoluene	<	420	UG/KG	03/02/12	8270DM	
3,3'-Dichlorobenzidine	<	420	UG/KG	03/02/12	8270DM	
4-Bromophenylphenyl ether	<	420	UG/KG	03/02/12	8270DM	
4-Chlorophenyl phenylether	<	420	UG/KG	03/02/12	8270DM	
4-Nitrophenol	<	1100	UG/KG	03/02/12	8270DM	
4,6-Dinitro-o-cresol	<	1100	UG/KG	03/02/12	8270DM	
Phenol	<	420	UG/KG	03/02/12	8270DM	
Pentachlorophenol	<	1100	UG/KG	03/02/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	420	UG/KG	03/02/12	8270DM	
Di-n-butylphthalate	<	420	UG/KG	03/02/12	8270DM	
Hexachlorobenzene	<	420	UG/KG	03/02/12	8270DM	
Hexachlorobutadiene	<	420	UG/KG	03/02/12	8270DM	
Dibenzofuran	<	420	UG/KG	03/02/12	8270DM	
2-Methylphenol	<	420	UG/KG	03/02/12	8270DM	
4-Methylphenol	<	420	UG/KG	03/02/12	8270DM	
2,4,5-Trichlorophenol	<	420	UG/KG	03/02/12	8270DM	
4-Chloroaniline	<	420	UG/KG	03/02/12	8270DM	
2-Nitroaniline	<	1100	UG/KG	03/02/12	8270DM	
3-Nitroaniline	<	1100	UG/KG	03/02/12	8270DM	
4-Nitroaniline	<	1100	UG/KG	03/02/12	8270DM	
2-Methylnaphthalene	<	420	UG/KG	03/02/12	8270DM	
% Moisture - GC/MS Lab		19.	%	03/02/12	CLP 04.2	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		58
P-TERPHENYL-D14		71
2-FLUOROBIPHENYL		65

Sample Number: 514797
Project Code: RR-BLP
Agency Number:
Date Collected: 2/14/2012
Time Collected: 1059
Date Received: 2/15/2012
Date Completed: 03/22/2012
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/22/2012

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

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		62
NITROBENZENE-D5		65
2,4,6-TRIBROMOPHENOL		77

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
cyclic octaatomic sulfur		1100	µg/kg

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S7-AOC/DOWNSTREAM OF RED CREEK;OK311100010190_20

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.

*

* ANALYST

Cassandra Kontas

Sample Number: 514798
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1340
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

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 #OK06013

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier		Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:			74.8				
Acenaphthylene	UJ	<	750	UG/KG	03/02/12	8270DM	
Acenaphthene	UJ	<	750	UG/KG	03/02/12	8270DM	
Anthracene		<	750	UG/KG	03/02/12	8270DM	
Benzo(b)fluoranthene		<	750	UG/KG	03/02/12	8270DM	
Benzo(k)fluoranthene		<	750	UG/KG	03/02/12	8270DM	
Benzo(a)pyrene		<	750	UG/KG	03/02/12	8270DM	
Bis(2-chloroethyl)ether		<	750	UG/KG	03/02/12	8270DM	
Bis(2-chloroethoxy)methane		<	750	UG/KG	03/02/12	8270DM	
Bis(2-chloroisopropyl)ether		<	750	UG/KG	03/02/12	8270DM	
Butylbenzylphthalate		<	750	UG/KG	03/02/12	8270DM	
Chrysene		<	750	UG/KG	03/02/12	8270DM	
Diethylphthalate	UJ	<	750	UG/KG	03/02/12	8270DM	
Dimethylphthalate	UJ	<	750	UG/KG	03/02/12	8270DM	
Fluoranthene		<	750	UG/KG	03/02/12	8270DM	
Fluorene	UJ	<	750	UG/KG	03/02/12	8270DM	
Hexachlorocyclopentadiene	UJ	<	750	UG/KG	03/02/12	8270DM	
Hexachloroethane		<	750	UG/KG	03/02/12	8270DM	
Indeno(123cd)pyrene		<	750	UG/KG	03/02/12	8270DM	
Isophorone		<	750	UG/KG	03/02/12	8270DM	
Nitrosodipropylamine		<	750	UG/KG	03/02/12	8270DM	
Nitrosodiphenylamine		<	750	UG/KG	03/02/12	8270DM	
Naphthalene		<	750	UG/KG	03/02/12	8270DM	
Nitrobenzene		<	750	UG/KG	03/02/12	8270DM	
p-Chloro-m-cresol		<	750	UG/KG	03/02/12	8270DM	
Phenanthrene		<	750	UG/KG	03/02/12	8270DM	
Pyrene		<	750	UG/KG	03/02/12	8270DM	
Benzo(ghi)perylene		<	750	UG/KG	03/02/12	8270DM	
Benzo(a)anthracene		<	750	UG/KG	03/02/12	8270DM	
Dibenzo(ah)anthracene		<	750	UG/KG	03/02/12	8270DM	
2-Chloronaphthalene	UJ	<	750	UG/KG	03/02/12	8270DM	
2-Chlorophenol		<	750	UG/KG	03/02/12	8270DM	
2-Nitrophenol		<	750	UG/KG	03/02/12	8270DM	

Sample Number: 514798
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1340
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: BM
 PWS Id:
 Location Code:
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 Report Date: 3/22/2012

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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
Di-n-octylphthalate	<	750	UG/KG	03/02/12	8270DM	
2,4-Dichlorophenol	<	750	UG/KG	03/02/12	8270DM	
2,4-Dimethylphenol	<	750	UG/KG	03/02/12	8270DM	
2,4-Dinitrotoluene	UJ <	750	UG/KG	03/02/12	8270DM	
2,4-Dinitrophenol	UJ <	1900	UG/KG	03/02/12	8270DM	
2,4,6-Trichlorophenol	UJ <	750	UG/KG	03/02/12	8270DM	
2,6-Dinitrotoluene	UJ <	750	UG/KG	03/02/12	8270DM	
3,3'-Dichlorobenzidine	<	750	UG/KG	03/02/12	8270DM	
4-Bromophenylphenyl ether	<	750	UG/KG	03/02/12	8270DM	
4-Chlorophenyl phenylether	UJ <	750	UG/KG	03/02/12	8270DM	
4-Nitrophenol	UJ <	1900	UG/KG	03/02/12	8270DM	
4,6-Dinitro-o-cresol	<	1900	UG/KG	03/02/12	8270DM	
Phenol	<	750	UG/KG	03/02/12	8270DM	
Pentachlorophenol	<	1900	UG/KG	03/02/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	750	UG/KG	03/02/12	8270DM	
Di-n-butylphthalate	<	750	UG/KG	03/02/12	8270DM	
Hexachlorobenzene	<	750	UG/KG	03/02/12	8270DM	
Hexachlorobutadiene	<	750	UG/KG	03/02/12	8270DM	
Dibenzofuran	UJ <	750	UG/KG	03/02/12	8270DM	
2-Methylphenol	<	750	UG/KG	03/02/12	8270DM	
4-Methylphenol	<	750	UG/KG	03/02/12	8270DM	
2,4,5-Trichlorophenol	UJ <	750	UG/KG	03/02/12	8270DM	
4-Chloroaniline	<	750	UG/KG	03/02/12	8270DM	
2-Nitroaniline	UJ <	1900	UG/KG	03/02/12	8270DM	
3-Nitroaniline	UJ <	1900	UG/KG	03/02/12	8270DM	
4-Nitroaniline	UJ <	1900	UG/KG	03/02/12	8270DM	
2-Methylnaphthalene	<	750	UG/KG	03/02/12	8270DM	
% Moisture - GC/MS Lab		55.	%	03/02/12	CLP 04.2	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
P-TERPHENYL-D14		61
2-FLUOROPHENOL		57
2,4,6-TRIBROMOPHENOL		74

Sample Number: 514798
Project Code: RR-BLP
Agency Number:
Date Collected: 2/14/2012
Time Collected: 1340
Date Received: 2/15/2012
Date Completed: 03/22/2012
Collected By: BM
PWS Id:
Location Code:
Station:
Facility:
Report Date: 3/22/2012

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

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL (QCF)		51
PHENOL-D5		59
NITROBENZENE-D5		60

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S6-AOC-3/KETCHUMS BLUFF;OK311100010190_20

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas (NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis. (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 inaccurately biased low (based on an associated surrogate compound having relatively low recovery as compared to in-house control limit criteria). (QCF) Quality Control Failure: the surrogate 2-fluorobiphenyl recovered below the in-house control limit of 58%.

* ANALYST



Sample Number: 514799
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1340
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

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 Sample Receiving: (405) 702-1113

Report of Analysis by GCMS
 EPA Drinking Water Certification #OK80013

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier		Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:			72.1				
Acenaphthylene	UJ	<	720	UG/KG	03/06/12	8270DM	
Acenaphthene	UJ	<	720	UG/KG	03/06/12	8270DM	
Anthracene		<	720	UG/KG	03/06/12	8270DM	
Benzo(b)fluoranthene		<	720	UG/KG	03/06/12	8270DM	
Benzo(k)fluoranthene		<	720	UG/KG	03/06/12	8270DM	
Benzo(a)pyrene		<	720	UG/KG	03/06/12	8270DM	
Bis(2-chloroethyl) ether		<	720	UG/KG	03/06/12	8270DM	
Bis(2-chloroethoxy)methane		<	720	UG/KG	03/06/12	8270DM	
Bis(2-chloroisopropyl) ether		<	720	UG/KG	03/06/12	8270DM	
Butylbenzylphthalate		<	720	UG/KG	03/06/12	8270DM	
Chrysene		<	720	UG/KG	03/06/12	8270DM	
Diethylphthalate	UJ	<	720	UG/KG	03/06/12	8270DM	
Dimethylphthalate	UJ	<	720	UG/KG	03/06/12	8270DM	
Fluoranthene		<	720	UG/KG	03/06/12	8270DM	
Fluorene	UJ	<	720	UG/KG	03/06/12	8270DM	
Hexachlorocyclopentadiene	UJ	<	720	UG/KG	03/06/12	8270DM	
Hexachloroethane		<	720	UG/KG	03/06/12	8270DM	
Indeno(123cd)pyrene		<	720	UG/KG	03/06/12	8270DM	
Isophorone		<	720	UG/KG	03/06/12	8270DM	
Nitrosodipropylamine		<	720	UG/KG	03/06/12	8270DM	
Nitrosodiphenylamine		<	720	UG/KG	03/06/12	8270DM	
Naphthalene		<	720	UG/KG	03/06/12	8270DM	
Nitrobenzene		<	720	UG/KG	03/06/12	8270DM	
p-Chloro-m-cresol		<	720	UG/KG	03/06/12	8270DM	
Phenanthrene		<	720	UG/KG	03/06/12	8270DM	
Pyrene		<	720	UG/KG	03/06/12	8270DM	
Benzo(ghi)perylene		<	720	UG/KG	03/06/12	8270DM	
Benzo(a)anthracene		<	720	UG/KG	03/06/12	8270DM	
Dibenzo(ah)anthracene		<	720	UG/KG	03/06/12	8270DM	
2-Chloronaphthalene	UJ	<	720	UG/KG	03/06/12	8270DM	
2-Chlorophenol		<	720	UG/KG	03/06/12	8270DM	
2-Nitrophenol		<	720	UG/KG	03/06/12	8270DM	

Sample Number: 514799
 Project Code: RR-BLP
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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
Di-n-octylphthalate	<	720	UG/KG	03/06/12	8270DM	
2,4-Dichlorophenol	<	720	UG/KG	03/06/12	8270DM	
2,4-Dimethylphenol	<	720	UG/KG	03/06/12	8270DM	
2,4-Dinitrotoluene	UJ <	720	UG/KG	03/06/12	8270DM	
2,4-Dinitrophenol	UJ <	1800	UG/KG	03/06/12	8270DM	
2,4,6-Trichlorophenol	UJ <	720	UG/KG	03/06/12	8270DM	
2,6-Dinitrotoluene	UJ <	720	UG/KG	03/06/12	8270DM	
3,3'-Dichlorobenzidine	<	720	UG/KG	03/06/12	8270DM	
4-Bromophenylphenyl ether	<	720	UG/KG	03/06/12	8270DM	
4-Chlorophenyl phenylether	UJ <	720	UG/KG	03/06/12	8270DM	
4-Nitrophenol	UJ <	1800	UG/KG	03/06/12	8270DM	
4,6-Dinitro-o-cresol	<	1800	UG/KG	03/06/12	8270DM	
Phenol	<	720	UG/KG	03/06/12	8270DM	
Pentachlorophenol	<	1800	UG/KG	03/06/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	720	UG/KG	03/06/12	8270DM	
Di-n-butylphthalate	<	720	UG/KG	03/06/12	8270DM	
Hexachlorobenzene	<	720	UG/KG	03/06/12	8270DM	
Hexachlorobutadiene	<	720	UG/KG	03/06/12	8270DM	
Dibenzofuran	UJ <	720	UG/KG	03/06/12	8270DM	
2-Methylphenol	<	720	UG/KG	03/06/12	8270DM	
4-Methylphenol	<	720	UG/KG	03/06/12	8270DM	
2,4,5-Trichlorophenol	UJ <	720	UG/KG	03/06/12	8270DM	
4-Chloroaniline	<	720	UG/KG	03/06/12	8270DM	
2-Nitroaniline	UJ <	1800	UG/KG	03/06/12	8270DM	
3-Nitroaniline	UJ <	1800	UG/KG	03/06/12	8270DM	
4-Nitroaniline	UJ <	1800	UG/KG	03/06/12	8270DM	
2-Methylnaphthalene	<	720	UG/KG	03/06/12	8270DM	
% Moisture - GC/MS Lab		54.	%	03/06/12	CLP 04.2	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		62
P-TERPHENYL-D14		66
2-FLUOROBIPHENYL (QCF)		53

Sample Number: 514799
Project Code: RR-BLP
Agency Number:
Date Collected: 2/14/2012
Time Collected: 1340
Date Received: 2/15/2012
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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		62
2-FLUOROPHENOL		59
2,4,6-TRIBROMOPHENOL		77

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NU			

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S6-AOC-3D (DUPLICATE) ;OK311100010190_20

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas (NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis. (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 inaccurately biased low (based on an associated surrogate compound having relatively low recovery as compared to in-house control limit criteria). (QCF) Quality Control Failure: the surrogate 2-fluorobiphenyl recovered below the in-house control limit of 58%.

* ANALYST



Sample Number: 514800
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1810
 Date Received: 2/15/2012
 Date Completed: 03/22/2012
 Collected By: BM
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 3/22/2012

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 EPA Drinking Water Certification #OK00013

To: File Copy

CC: Ferrella March/LPD

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		40.9				
Acenaphthylene	UJ <	410	UG/KG	03/06/12	8270DM	
Acenaphthene	UJ <	410	UG/KG	03/06/12	8270DM	
Anthracene	<	410	UG/KG	03/06/12	8270DM	
Benzo(b)fluoranthene	<	410	UG/KG	03/06/12	8270DM	
Benzo(k)fluoranthene	<	410	UG/KG	03/06/12	8270DM	
Benzo(a)pyrene	<	410	UG/KG	03/06/12	8270DM	
Bis(2-chloroethyl)ether	<	410	UG/KG	03/06/12	8270DM	
Bis(2-chloroethoxy)methane	<	410	UG/KG	03/06/12	8270DM	
Bis(2-chloroisopropyl)ethe	<	410	UG/KG	03/06/12	8270DM	
Butylbenzylphthalate	<	410	UG/KG	03/06/12	8270DM	
Chrysene	<	410	UG/KG	03/06/12	8270DM	
Diethylphthalate	UJ <	410	UG/KG	03/06/12	8270DM	
Dimethylphthalate	UJ <	410	UG/KG	03/06/12	8270DM	
Fluoranthene	<	410	UG/KG	03/06/12	8270DM	
Fluorene	UJ <	410	UG/KG	03/06/12	8270DM	
Hexachlorocyclopentadiene	UJ <	410	UG/KG	03/06/12	8270DM	
Hexachloroethane	<	410	UG/KG	03/06/12	8270DM	
Indeno(123cd)pyrene	<	410	UG/KG	03/06/12	8270DM	
Isophorone	<	410	UG/KG	03/06/12	8270DM	
Nitrosodipropylamine	<	410	UG/KG	03/06/12	8270DM	
Nitrosodiphenylamine	<	410	UG/KG	03/06/12	8270DM	
Naphthalene	<	410	UG/KG	03/06/12	8270DM	
Nitrobenzene	<	410	UG/KG	03/06/12	8270DM	
p-Chloro-m-cresol	<	410	UG/KG	03/06/12	8270DM	
Phenanthrene	<	410	UG/KG	03/06/12	8270DM	
Pyrene	<	410	UG/KG	03/06/12	8270DM	
Benzo(ghi)perylene	<	410	UG/KG	03/06/12	8270DM	
Benzo(a)anthracene	<	410	UG/KG	03/06/12	8270DM	
Dibenzo(ah)anthracene	<	410	UG/KG	03/06/12	8270DM	
2-Chloronaphthalene	UJ <	410	UG/KG	03/06/12	8270DM	
2-Chlorophenol	<	410	UG/KG	03/06/12	8270DM	
2-Nitrophenol	<	410	UG/KG	03/06/12	8270DM	

Sample Number: 514800
 Project Code: RR-BLP
 Agency Number:
 Date Collected: 2/14/2012
 Time Collected: 1810
 Date Received: 2/15/2012
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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Di-n-octylphthalate	<	410	UG/KG	03/06/12	8270DM	
2,4-Dichlorophenol	<	410	UG/KG	03/06/12	8270DM	
2,4-Dimethylphenol	<	410	UG/KG	03/06/12	8270DM	
2,4-Dinitrotoluene	UJ <	410	UG/KG	03/06/12	8270DM	
2,4-Dinitrophenol	UJ <	1000	UG/KG	03/06/12	8270DM	
2,4,6-Trichlorophenol	UJ <	410	UG/KG	03/06/12	8270DM	
2,6-Dinitrotoluene	UJ <	410	UG/KG	03/06/12	8270DM	
3,3'-Dichlorobenzidine	<	410	UG/KG	03/06/12	8270DM	
4-Bromophenylphenyl ether	<	410	UG/KG	03/06/12	8270DM	
4-Chlorophenyl phenylether	UJ <	410	UG/KG	03/06/12	8270DM	
4-Nitrophenol	UJ <	1000	UG/KG	03/06/12	8270DM	
4,6-Dinitro-o-cresol	<	1000	UG/KG	03/06/12	8270DM	
Phenol	<	410	UG/KG	03/06/12	8270DM	
Pentachlorophenol	<	1000	UG/KG	03/06/12	8270DM	
Bis(2-ethylhexyl)phthalate	<	410	UG/KG	03/06/12	8270DM	
Di-n-butylphthalate	<	410	UG/KG	03/06/12	8270DM	
Hexachlorobenzene	<	410	UG/KG	03/06/12	8270DM	
Hexachlorobutadiene	<	410	UG/KG	03/06/12	8270DM	
Dibenzofuran	UJ <	410	UG/KG	03/06/12	8270DM	
2-Methylphenol	<	410	UG/KG	03/06/12	8270DM	
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2,4,5-Trichlorophenol	UJ <	410	UG/KG	03/06/12	8270DM	
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2-Nitroaniline	UJ <	1000	UG/KG	03/06/12	8270DM	
3-Nitroaniline	UJ <	1000	UG/KG	03/06/12	8270DM	
4-Nitroaniline	UJ <	1000	UG/KG	03/06/12	8270DM	
2-Methylnaphthalene	<	410	UG/KG	03/06/12	8270DM	
% Moisture - GC/MS Lab		17.	%	03/06/12	CLP 04.2	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		57
P-TERPHENYL-D14		70
2,4,6-TRIBROMOPHENOL		71

Sample Number: 514800
Project Code: RR-BLP
Agency Number:
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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		54
NITROBENZENE-D5		58
2-FLUOROBIPHENYL (QCF)		57

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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NU

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: RED RIVER BASE LINE

SAMPLERS COMMENTS:

S9-DAOC-3/ADDINGTON BEND; OK311100010190_00

ANALYST'S COMMENTS:

Analyst: Cassandra Kontas (NU) The analysis indicates no 'tentatively identified' compounds present above the reporting limit for this analysis. (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 inaccurately biased low (based on an associated surrogate compound having relatively low recovery as compared to in-house control limit criteria). (QCF) Quality Control Failure: the surrogate 2-fluorobiphenyl recovered below the in-house control limit of 58%.

* ANALYST

Cassandra Kontas