

ATTACHMENT C
WATER ANALYTICAL RESULTS

Attachment C
Water Analytical Results
Red River Fish Kill
Oscar, Jefferson County, Oklahoma

Analyte	Units	Sample ID Date Sample Type	RR01 RR01-110822-11 08/22/2011 Background	RR02 RR02-110822-11 08/22/2011 Field Sample	RR03 RR03-110822-11 08/22/2011 Field Sample	RR04 RR04-110822-11 08/22/2011 Field Sample	RR05 RR05-110822-11 08/22/2011 Field Sample
BOD							
Biochemical Oxygen Demand	mg/L	--	10 U	10 U	10 U	10 U	10 U
COD							
Chemical Oxygen Demand	mg/L	--	110	110	110	130	110
Dissolved Gases							
Ethane	mg/L	--	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Ethene	mg/L	--	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methane	mg/L	--	0.0075	0.0183	0.0154	0.0168	0.0095
Propane	mg/L	--	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Herbicides							
2,4,5-T	mg/L	--	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
2,4-D	mg/L	--	0.000039 U	0.00004 U	0.000039 U	0.000039 U	0.00004 U
2,4-DB	mg/L	--	0.000049 U	0.00005 U	0.000049 U	0.000049 U	0.00005 U
Dalapon	mg/L	--	0.00099 U	0.00099 U	0.00098 U	0.00099 U	0.00099 U
Dicamba	mg/L	--	0.0000099 U	0.0000099 U	0.0000098 U	0.0000099 U	0.0000099 U
Dichlorprop	mg/L	--	0.00003 U	0.00003 U	0.000029 U	0.00003 U	0.00003 U
Dinoseb	mg/L	--	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
MCPA	mg/L	--	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U
Mecoprop	mg/L	--	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U
Silvex (2,4,5-TP)	mg/L	--	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
Metals							
Aluminum	mg/L	--	1.1	0.8	0.64	0.73	0.97
Antimony	mg/L	--	0.0063 U	0.0063 U	0.0063 UB	0.0063 U	0.0063 U
Arsenic	mg/L	--	0.0049 JQ	0.0084 JQ	0.009 JQ	0.0098 JQ	0.0081 JQ
Barium	mg/L	--	0.15	0.16	0.16	0.19	0.18
Beryllium	mg/L	--	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
Cadmium	mg/L	--	0.0004 JQ	0.0005 JQ	0.001 JQ	0.0004 JQ	0.0005 JQ



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Metals (continued)							
Calcium	mg/L	--	320	310	330	360	330
Chromium	mg/L	--	0.0021 JQ	0.0021 JQ	0.0016 U	0.0017 JQ	0.0023 JQ
Cobalt	mg/L	--	0.00063 U	0.00063 U	0.0018 JQ	0.0007 JQ	0.0009 JQ
Copper	mg/L	--	0.0015 UB	0.0015 UB	0.0015 UB	0.0015 UB	0.0015 UB
Iron	mg/L	--	0.92	0.66	0.54	0.59	0.7
Lead	mg/L	--	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U
Magnesium	mg/L	--	120	130	130	140	130
Manganese	mg/L	--	0.17	0.22	0.21	0.4	0.1
Mercury	mg/L	--	0.000026 U	0.000026 U	0.000026 U	0.000026 U	0.000026 U
Nickel	mg/L	--	0.0021 JQ	0.0022 JQ	0.0031 JQ	0.0018 U	0.0018 JQ
Potassium	mg/L	--	18	19	19	21	20
Selenium	mg/L	--	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U
Silver	mg/L	--	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
Sodium	mg/L	--	1100	1100	1100	1200	1200
Strontium	mg/L	--	5.3	5.3	5.3	5.8	5.2
Thallium	mg/L	--	0.0078 U	0.0078 U	0.0078 U	0.0078 U	0.0078 U
Uranium	mg/L	--	0.0071	0.007	0.007	0.0049 JQ	0.0052
Vanadium	mg/L	--	0.0072 JQ	0.0068 JQ	0.0065 JQ	0.0081 JQ	0.0092 JQ
Zinc	mg/L	--	0.016 JQ	0.0088 JQ	0.014 JQ	0.029 JQ	0.016 JQ
PCBs							
PCB-1016	mg/L	--	0.00027 U	0.00026 U	0.00026 U	0.00027 U	0.00026 U
PCB-1221	mg/L	--	0.00022 U	0.00022 U	0.00022 U	0.00022 U	0.00022 U
PCB-1232	mg/L	--	0.00006 U	0.000059 U	0.000059 U	0.000059 U	0.000059 U
PCB-1242	mg/L	--	0.00008 U	0.000078 U	0.000078 U	0.000079 U	0.000078 U
PCB-1248	mg/L	--	0.0001 U	0.000098 U	0.000098 U	0.000099 U	0.000098 U
PCB-1254	mg/L	--	0.00007 U	0.000069 U	0.000069 U	0.000069 U	0.000069 U



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PCBs (continued)							
PCB-1260	mg/L	--	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U
PCB-1262	mg/L	--	0.0005 U	0.00049 U	0.00049 U	0.0005 U	0.00049 U
Polychlorinated biphenyls, Total	mg/L	--	0.00006 U	0.000059 U	0.000059 U	0.000059 U	0.000059 U
Pesticides							
4,4'-DDD	mg/L	--	0.000007 U	0.0000069 U	0.0000069 U	0.0000069 U	0.0000069 U
4,4'-DDE	mg/L	--	0.000007 U	0.0000069 U	0.0000069 U	0.0000069 U	0.0000069 U
4,4'-DDT	mg/L	--	0.000008 U	0.0000078 U	0.0000078 U	0.0000079 U	0.0000078 U
Aldrin	mg/L	--	0.000006 U	0.0000059 U	0.0000059 U	0.0000059 U	0.0000059 U
alpha-BHC	mg/L	--	0.000007 U	0.0000069 U	0.0000069 U	0.0000069 U	0.0000069 U
alpha-Chlordane	mg/L	--	0.00005 U	0.000049 U	0.000049 U	0.00005 U	0.000049 U
beta-BHC	mg/L	--	0.000008 U	0.0000078 U	0.0000078 U	0.0000079 U	0.0000078 U
Chlordane (technical)	mg/L	--	0.00006 U	0.000059 U	0.000059 U	0.000059 U	0.000059 U
delta-BHC	mg/L	--	0.000005 U	0.0000049 U	0.0000049 U	0.000005 U	0.0000049 U
Dieldrin	mg/L	--	0.000007 U	0.0000069 U	0.0000069 U	0.0000069 U	0.0000069 U
Endosulfan I	mg/L	--	0.000007 U	0.0000069 U	0.0000069 U	0.0000069 U	0.0000069 U
Endosulfan II	mg/L	--	0.0001 U	0.000098 U	0.000098 U	0.000099 U	0.000098 U
Endosulfan sulfate	mg/L	--	0.000025 U	0.000025 U	0.000025 U	0.000025 U	0.000025 U
Endrin	mg/L	--	0.000007 U	0.0000069 U	0.0000069 U	0.0000069 U	0.0000069 U
Endrin aldehyde	mg/L	--	0.000007 U	0.0000069 U	0.0000069 U	0.0000069 U	0.0000069 U
Endrin ketone	mg/L	--	0.000007 U	0.0000069 U	0.0000069 U	0.0000069 U	0.0000069 U
gamma-BHC (Lindane)	mg/L	--	0.000006 U	0.0000059 U	0.0000059 U	0.0000059 U	0.0000059 U
gamma-Chlordane	mg/L	--	0.000007 U	0.0000069 U	0.0000069 U	0.0000069 U	0.0000069 U
Heptachlor	mg/L	--	0.000006 U	0.0000059 U	0.0000059 U	0.0000059 U	0.0000059 U
Heptachlor epoxide	mg/L	--	0.000007 U	0.0000069 U	0.0000069 U	0.0000069 U	0.0000069 U
Methoxychlor	mg/L	--	0.000009 U	0.0000088 U	0.0000088 U	0.0000089 U	0.0000088 U
Toxaphene	mg/L	--	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U



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RCI							
Cyanide, Reactive	mg/L	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Flashpoint	Degrees F	--	186 >	186 >	186 >	186 >	186 >
pH	SU	--	7.61 JK	7.09 JK	7.39 JK	7.46 JK	7.66 JK
Sulfide, Reactive	mg/L	--	20 JQ	20 JQ	20 JQ	10 JQ	10 JQ
SVOCs							
1,2,4-Trichlorobenzene	mg/L	--	0.00012 U	0.00012 U	0.00012 U	0.00022 U	0.00012 U
1,2-Dichlorobenzene	mg/L	--	0.00017 U	0.00017 U	0.00017 U	0.00031 U	0.00017 U
1,3-Dichlorobenzene	mg/L	--	0.00017 U	0.00017 U	0.00017 U	0.00031 U	0.00017 U
1,4-Dichlorobenzene	mg/L	--	0.00013 U	0.00013 U	0.00013 U	0.00024 U	0.00013 U
2,4,5-Trichlorophenol	mg/L	--	0.00025 U	0.00025 U	0.00025 U	0.00046 U	0.00025 U
2,4,6-Trichlorophenol	mg/L	--	0.00018 U	0.00018 U	0.00018 U	0.00033 U	0.00018 U
2,4-Dichlorophenol	mg/L	--	0.00015 U	0.00015 U	0.00015 U	0.00028 U	0.00015 U
2,4-Dimethylphenol	mg/L	--	0.00031 U	0.0003 U	0.00031 U	0.00057 U	0.0003 U
2,4-Dinitrophenol	mg/L	--	0.00039 U	0.00038 U	0.00038 U	0.00072 U	0.00038 U
2,4-Dinitrotoluene	mg/L	--	0.00013 U	0.00013 U	0.00013 U	0.00024 U	0.00013 U
2,6-Dinitrotoluene	mg/L	--	0.000079 U	0.000078 U	0.000079 U	0.00015 U	0.000078 U
2-Chloronaphthalene	mg/L	--	0.000079 U	0.000078 U	0.000079 U	0.00015 U	0.000078 U
2-Chlorophenol	mg/L	--	0.00013 U	0.00013 U	0.00013 U	0.00024 U	0.00013 U
2-Methylnaphthalene	mg/L	--	0.000069 U	0.000069 U	0.000069 U	0.00013 U	0.000069 U
2-Methylphenol	mg/L	--	0.00012 U	0.00012 U	0.00012 U	0.00022 U	0.00012 U
2-Nitroaniline	mg/L	--	0.00019 U	0.00019 U	0.00019 U	0.00035 U	0.00019 U
2-Nitrophenol	mg/L	--	0.00022 U	0.00022 U	0.00022 U	0.00041 U	0.00022 U
3 & 4 Methylphenol	mg/L	--	0.0002 U	0.0002 U	0.0002 U	0.00037 U	0.0002 U
3,3'-Dichlorobenzidine	mg/L	--	0.00018 U	0.00018 U	0.00018 U	0.00033 U	0.00018 U
3-Nitroaniline	mg/L	--	0.00016 U	0.00016 U	0.00016 U	0.0003 U	0.00016 U
4,6-Dinitro-2-methylphenol	mg/L	--	0.00082 U	0.00081 U	0.00082 U	0.0015 U	0.00081 U



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SVOCs (continued)							
4-Bromophenyl phenyl ether	mg/L	--	0.000099 U	0.000098 U	0.000099 U	0.00019 U	0.000098 U
4-Chloro-3-methylphenol	mg/L	--	0.00017 U	0.00017 U	0.00017 U	0.00031 U	0.00017 U
4-Chloroaniline	mg/L	--	0.00021 U	0.00021 U	0.00021 U	0.00039 U	0.00021 U
4-Chlorophenyl phenyl ether	mg/L	--	0.000099 U	0.000098 U	0.000099 U	0.00019 U	0.000098 U
4-Nitroaniline	mg/L	--	0.00025 U	0.00025 U	0.00025 U	0.00046 U	0.00025 U
4-Nitrophenol	mg/L	--	0.00055 U	0.00055 U	0.00055 U	0.001 U	0.00055 U
Acenaphthene	mg/L	--	0.000079 U	0.000078 U	0.000079 U	0.00015 U	0.000078 U
Acenaphthylene	mg/L	--	0.000059 U	0.000059 U	0.000059 U	0.00011 U	0.000059 U
Anthracene	mg/L	--	0.00005 U	0.000049 U	0.000049 U	0.000093 U	0.000049 U
Benzidine	mg/L	--	0.0006 U	0.0006 U	0.0006 U	0.0011 U	0.0006 U
Benzo[a]anthracene	mg/L	--	0.000079 U	0.000078 U	0.000079 U	0.00015 U	0.000078 U
Benzo[a]pyrene	mg/L	--	0.000079 U	0.000078 U	0.000079 U	0.00015 U	0.000078 U
Benzo[b]fluoranthene	mg/L	--	0.000069 U	0.000069 U	0.000069 U	0.00013 U	0.000069 U
Benzo[g,h,i]perylene	mg/L	--	0.000079 U	0.000078 U	0.000079 U	0.00015 U	0.000078 U
Benzo[k]fluoranthene	mg/L	--	0.000089 U	0.000088 U	0.000089 U	0.00017 U	0.000088 U
Benzyl alcohol	mg/L	--	0.00017 U	0.00017 U	0.00017 U	0.00031 U	0.00017 U
Bis(2-chloroethoxy)methane	mg/L	--	0.00013 U	0.00013 U	0.00013 U	0.00024 U	0.00013 U
Bis(2-chloroethyl)ether	mg/L	--	0.00015 U	0.00015 U	0.00015 U	0.00028 U	0.00015 U
Bis(2-chloroisopropyl) ether	mg/L	--	0.0004 U	0.00039 U	0.00039 U	0.00074 U	0.00039 U
Bis(2-ethylhexyl) phthalate	mg/L	--	0.00037 U	0.00036 U	0.00036 U	0.00069 U	0.00036 U
Butyl benzyl phthalate	mg/L	--	0.00012 U	0.00012 U	0.00012 U	0.00045 JQ	0.00012 U
Carbazole	mg/L	--	0.00017 U	0.00017 U	0.00017 U	0.00031 U	0.00017 U
Chrysene	mg/L	--	0.000079 U	0.000078 U	0.000079 U	0.00015 U	0.000078 U
Dibenz(a,h)anthracene	mg/L	--	0.000079 U	0.000078 U	0.000079 U	0.00015 U	0.000078 U
Dibenzofuran	mg/L	--	0.000079 U	0.000078 U	0.000079 U	0.00015 U	0.000078 U
Diethyl phthalate	mg/L	--	0.0015 U	0.0015 U	0.0015 U	0.0028 U	0.0015 U



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SVOCs (continued)							
Dimethyl phthalate	mg/L	--	0.000069 U	0.000069 U	0.000069 U	0.00013 U	0.000069 U
Di-n-butyl phthalate	mg/L	--	0.00011 UB	0.00011 U	0.00011 UB	0.0002 UB	0.00011 UB
Di-n-octyl phthalate	mg/L	--	0.00016 U	0.00016 U	0.00016 U	0.0003 U	0.00016 U
Fluoranthene	mg/L	--	0.000069 U	0.000069 U	0.000069 U	0.00013 U	0.000069 U
Fluorene	mg/L	--	0.000069 U	0.000069 U	0.000069 U	0.00013 U	0.000069 U
Heptadecane	mg/L	--				0.0098 T J N	
Hexachlorobenzene	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.0002 U	0.00011 U
Hexachlorobutadiene	mg/L	--	0.00018 U	0.00018 U	0.00018 U	0.00033 U	0.00018 U
Hexachlorocyclopentadiene	mg/L	--	0.00013 U	0.00013 U	0.00013 U	0.00024 U	0.00013 U
Hexachloroethane	mg/L	--	0.000099 U	0.000098 U	0.000099 U	0.00019 U	0.000098 U
Indeno[1,2,3-cd]pyrene	mg/L	--	0.000069 U	0.000069 U	0.000069 U	0.00013 U	0.000069 U
Isophorone	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.0002 U	0.00011 U
Naphthalene	mg/L	--	0.000079 U	0.000078 U	0.000079 U	0.00015 U	0.000078 U
Nitrobenzene	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.0002 U	0.00011 U
N-Nitrosodimethylamine	mg/L	--	0.00026 U	0.00025 U	0.00026 U	0.00048 U	0.00025 U
N-Nitrosodi-n-propylamine	mg/L	--	0.000099 U	0.000098 U	0.000099 U	0.00019 U	0.000098 U
N-Nitrosodiphenylamine	mg/L	--	0.000099 U	0.000098 U	0.000099 U	0.00019 U	0.000098 U
Pentachlorophenol	mg/L	--	0.0006 U	0.0006 U	0.0006 U	0.0011 U	0.0006 U
Phenanthrene	mg/L	--	0.000059 U	0.000059 U	0.000059 U	0.00011 U	0.000059 U
Phenol	mg/L	--	0.00004 U	0.000039 U	0.000039 U	0.000074 U	0.000039 U
Polydimethyl Siloxane TIC	mg/L	--	0.00099 U	0.00098 U	0.00099 U	0.0019 U	0.00098 U
Pyrene	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.0002 U	0.00011 U
Tentatively Identified Compound	mg/L	--	0 None	0 None	0 None		0 None
Total Cyanide							
Cyanide, Total	mg/L	--	0.0053 U	0.0053 U	0.0053 U	0.0053 U	0.0053 U



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VOCs							
1,1,1-Trichloroethane	mg/L	--	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
1,1,2,2-Tetrachloroethane	mg/L	--	0.00022 U	0.00022 U	0.00022 U	0.00022 U	0.00022 U
1,1,2-Trichloroethane	mg/L	--	0.00028 U	0.00028 U	0.00028 U	0.00028 U	0.00028 U
1,1-Dichloroethane	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U
1,1-Dichloroethene	mg/L	--	0.00019 U	0.00019 U	0.00019 U	0.00019 U	0.00019 U
1,2-Dichloroethane	mg/L	--	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U
1,2-Dichloroethene, Total	mg/L	--	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U
1,2-Dichloropropane	mg/L	--	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
2-Butanone (MEK)	mg/L	--	0.00076 U	0.00076 U	0.00076 U	0.00076 U	0.00076 U
2-Hexanone	mg/L	--	0.00035 U	0.00035 U	0.00035 U	0.00035 U	0.00035 U
4-Methyl-2-pentanone (MIBK)	mg/L	--	0.00045 U	0.00045 U	0.00045 U	0.00045 U	0.00045 U
Acetone	mg/L	--	0.00099 UR	0.00099 UR	0.00099 UR	0.00099 UR	0.00099 UR
Benzene	mg/L	--	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
Bromodichloromethane	mg/L	--	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
Bromoform	mg/L	--	0.00019 U	0.00019 U	0.00019 U	0.00019 U	0.00019 U
Bromomethane	mg/L	--	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U
Carbon disulfide	mg/L	--	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
Carbon tetrachloride	mg/L	--	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
Chlorobenzene	mg/L	--	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
Chlorobromomethane	mg/L	--	0.00018 U	0.00018 U	0.00018 U	0.00018 U	0.00018 U
Chloroethane	mg/L	--	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
Chloroform	mg/L	--	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
Chloromethane	mg/L	--	0.00018 U	0.00018 U	0.00018 U	0.00018 U	0.00018 U
cis-1,2-Dichloroethene	mg/L	--	0.00006 U	0.00006 U	0.00006 U	0.00006 U	0.00006 U
cis-1,3-Dichloropropene	mg/L	--	0.00018 U	0.00018 U	0.00018 U	0.00018 U	0.00018 U
Dibromochloromethane	mg/L	--	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
Ethylbenzene	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U



Attachment C
Water Analytical Results
Red River Fish Kill
Oscar, Jefferson County, Oklahoma

Analyte	Units	Sample ID	RR01	RR02	RR03	RR04	RR05
		Date Sample Type	RR01-110822-11 08/22/2011 Background	RR02-110822-11 08/22/2011 Field Sample	RR03-110822-11 08/22/2011 Field Sample	RR04-110822-11 08/22/2011 Field Sample	RR05-110822-11 08/22/2011 Field Sample
VOCs (continued)							
Methylene Chloride	mg/L	--	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
m-Xylene & p-Xylene	mg/L	--	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U
o-Xylene	mg/L	--	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
Styrene	mg/L	--	0.00007 U	0.00007 U	0.00007 U	0.00007 U	0.00007 U
Tetrachloroethene	mg/L	--	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
Toluene	mg/L	--	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
trans-1,2-Dichloroethene	mg/L	--	0.00009 U	0.00009 U	0.00009 U	0.00009 U	0.00009 U
trans-1,3-Dichloropropene	mg/L	--	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U
Trichloroethene	mg/L	--	0.00018 U	0.00018 U	0.00018 U	0.00018 U	0.00018 U
Vinyl acetate	mg/L	--	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U
Vinyl chloride	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U
Xylenes, Total	mg/L	--	0.00026 U	0.00026 U	0.00026 U	0.00026 U	0.00026 U

Notes:

Shaded cells indicate a concentration that exceeds the background sample (RR01) concentration.

Bold values indicate a detected concentration.

NA indicates not analyzed.

Definition of Qualifiers:

'B' indicates a detection in an associated laboratory or field blank.

'H' indicates a high bias

'J' indicates an estimated value

'K' indicates an unknown bias

'L' indicates a low bias

'N' indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.

'R' indicates a rejected result

'T' indicates the result is a Tentatively Identified Compound and is an estimated value.

'U' indicates not detected at the associated concentration.



Attachment C
Water Analytical Results
Red River Fish Kill
Oscar, Jefferson County, Oklahoma

Analyte	Units	Sample ID Date Sample Type	RR06 RR06-110823-11 08/23/2011 Field Sample	RR06 RR06-110823-21 08/23/2011 Field Duplicate	RR07 RR07-110823-11 08/23/2011 Field Sample	RR08 RR08-110823-11 08/23/2011 Field Sample	RR09 RR09-110823-11 08/23/2011 Field Sample
BOD							
Biochemical Oxygen Demand	mg/L	--	10 U	10 U	10 U	10 U	10 U
COD							
Chemical Oxygen Demand	mg/L	--	87	90	87	90	92
Dissolved Gases							
Ethane	mg/L	--	NA	NA	NA	NA	NA
Ethene	mg/L	--	NA	NA	NA	NA	NA
Methane	mg/L	--	NA	NA	NA	NA	NA
Propane	mg/L	--	NA	NA	NA	NA	NA
Herbicides							
2,4,5-T	mg/L	--	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
2,4-D	mg/L	--	0.00004 U	0.00004 U	0.00004 U	0.00004 U	0.00004 U
2,4-DB	mg/L	--	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
Dalapon	mg/L	--	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dicamba	mg/L	--	0.00001 UJK	0.0009 JK	0.00001 U	0.00001 U	0.00001 U
Dichlorprop	mg/L	--	0.00003 UJK	0.00025 JK	0.00003 U	0.00036	0.00003 U
Dinoseb	mg/L	--	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
MCPA	mg/L	--	0.0058 U	0.0058 U	0.0058 U	0.0058 U	0.0058 U
Mecoprop	mg/L	--	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U
Silvex (2,4,5-TP)	mg/L	--	0.00002 U	0.00002 U	0.00002 U	0.00002 U	0.00002 U
Metals							
Aluminum	mg/L	--	0.022 UB	0.022 UB	0.022 UB	0.022 UB	0.022 UB
Antimony	mg/L	--	0.0063 U	0.0063 U	0.0063 U	0.0063 U	0.0063 U
Arsenic	mg/L	--	0.011	0.012	0.01	0.015	0.0089 JQ
Barium	mg/L	--	0.19	0.19	0.19	0.19	0.2
Beryllium	mg/L	--	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
Cadmium	mg/L	--	0.0004 JQ	0.0005 JQ	0.0005 JQ	0.0005 JQ	0.0005 JQ



Attachment C
Water Analytical Results
Red River Fish Kill
Oscar, Jefferson County, Oklahoma

Analyte	Units	Sample ID Date Sample Type	RR06 RR06-110823-11 08/23/2011 Field Sample	RR06 RR06-110823-21 08/23/2011 Field Duplicate	RR07 RR07-110823-11 08/23/2011 Field Sample	RR08 RR08-110823-11 08/23/2011 Field Sample	RR09 RR09-110823-11 08/23/2011 Field Sample
Metals (continued)							
Calcium	mg/L	--	310	320	310	320	290
Chromium	mg/L	--	0.0016 U	0.0017 JQ	0.0016 U	0.0016 U	0.002 JQ
Cobalt	mg/L	--	0.0008 JQ	0.00063 U	0.0008 JQ	0.00063 U	0.00063 U
Copper	mg/L	--	0.0015 U	0.0021 JQ	0.0015 JQ	0.0015 U	0.0016 JQ
Iron	mg/L	--	0.34 JQ	0.31 JQ	0.42	0.47	0.67
Lead	mg/L	--	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U
Magnesium	mg/L	--	130	130	130	130	130
Manganese	mg/L	--	0.49	0.5	0.51	0.47	0.27
Mercury	mg/L	--	0.000026 U	0.000026 U	0.000026 U	0.000026 U	0.000026 U
Nickel	mg/L	--	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 JQ
Potassium	mg/L	--	19	19	19	19	19
Selenium	mg/L	--	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U
Silver	mg/L	--	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U
Sodium	mg/L	--	1000	1200	1100	1100	1100
Strontium	mg/L	--	5.3	5.3	5.1	5.2	5
Thallium	mg/L	--	0.0078 U	0.0078 U	0.0078 U	0.0078 U	0.0078 U
Uranium	mg/L	--	0.0038 JQ	0.0038 JQ	0.004 JQ	0.0033 JQ	0.003 JQ
Vanadium	mg/L	--	0.004 JQ	0.0039 JQ	0.0036 JQ	0.004 JQ	0.0036 JQ
Zinc	mg/L	--	0.012 JQ	0.019 JQ	0.014 JQ	0.016 JQ	0.02 JQ
PCBs							
PCB-1016	mg/L	--	0.00027 U	0.00027 U	0.00027 U	0.00027 U	0.00027 U
PCB-1221	mg/L	--	0.00022 U	0.00022 U	0.00022 U	0.00022 U	0.00022 U
PCB-1232	mg/L	--	0.00006 U	0.00006 U	0.00006 U	0.00006 U	0.00006 U
PCB-1242	mg/L	--	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
PCB-1248	mg/L	--	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
PCB-1254	mg/L	--	0.00007 U	0.00007 U	0.00007 U	0.00007 U	0.00007 U



Attachment C
Water Analytical Results
Red River Fish Kill
Oscar, Jefferson County, Oklahoma

Analyte	Units	Sample ID Date Sample Type	RR06 RR06-110823-11 08/23/2011 Field Sample	RR06 RR06-110823-21 08/23/2011 Field Duplicate	RR07 RR07-110823-11 08/23/2011 Field Sample	RR08 RR08-110823-11 08/23/2011 Field Sample	RR09 RR09-110823-11 08/23/2011 Field Sample
PCBs (continued)							
PCB-1260	mg/L	--	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U
PCB-1262	mg/L	--	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Polychlorinated biphenyls, Total	mg/L	--	0.00006 U	0.00006 U	0.00006 U	0.00006 U	0.00006 U
Pesticides							
4,4'-DDD	mg/L	--	0.000007 U	0.000007 U	0.000007 U	0.000007 U	0.000007 U
4,4'-DDE	mg/L	--	0.000007 U	0.000007 U	0.000007 U	0.000007 U	0.000007 U
4,4'-DDT	mg/L	--	0.000008 U	0.000008 U	0.000008 U	0.000008 U	0.000008 U
Aldrin	mg/L	--	0.000006 U	0.000006 U	0.000006 U	0.000006 U	0.000006 U
alpha-BHC	mg/L	--	0.000007 U	0.000007 U	0.000007 U	0.000007 U	0.000007 U
alpha-Chlordane	mg/L	--	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
beta-BHC	mg/L	--	0.000008 U	0.000008 U	0.000008 U	0.000008 U	0.000008 U
Chlordane (technical)	mg/L	--	0.00006 U	0.00006 U	0.00006 U	0.00006 U	0.00006 U
delta-BHC	mg/L	--	0.000005 U	0.000005 U	0.000005 U	0.000005 U	0.000005 U
Dieldrin	mg/L	--	0.000007 U	0.000007 U	0.000007 U	0.000007 U	0.000007 U
Endosulfan I	mg/L	--	0.000007 U	0.000007 U	0.000007 U	0.000007 U	0.000007 U
Endosulfan II	mg/L	--	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Endosulfan sulfate	mg/L	--	0.000025 U	0.000025 U	0.000025 U	0.000025 U	0.000025 U
Endrin	mg/L	--	0.000007 U	0.000007 U	0.000007 U	0.000007 U	0.000007 U
Endrin aldehyde	mg/L	--	0.000007 U	0.000007 U	0.000007 U	0.000007 U	0.000007 U
Endrin ketone	mg/L	--	0.000007 U	0.000007 U	0.000007 U	0.000007 U	0.000007 U
gamma-BHC (Lindane)	mg/L	--	0.000006 U	0.000006 U	0.000006 U	0.000006 U	0.000006 U
gamma-Chlordane	mg/L	--	0.000007 U	0.000007 U	0.000007 U	0.000007 U	0.000007 U
Heptachlor	mg/L	--	0.000006 U	0.000006 U	0.000006 U	0.000006 U	0.000006 U
Heptachlor epoxide	mg/L	--	0.000007 U	0.000007 U	0.000007 U	0.000007 U	0.000007 U
Methoxychlor	mg/L	--	0.000009 U	0.000009 U	0.000009 U	0.000009 U	0.000009 U
Toxaphene	mg/L	--	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U



Attachment C
Water Analytical Results
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Analyte	Units	Sample ID Date Sample Type	RR06 RR06-110823-11 08/23/2011 Field Sample	RR06 RR06-110823-21 08/23/2011 Field Duplicate	RR07 RR07-110823-11 08/23/2011 Field Sample	RR08 RR08-110823-11 08/23/2011 Field Sample	RR09 RR09-110823-11 08/23/2011 Field Sample
RCI							
Cyanide, Reactive	mg/L	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Flashpoint	Degrees F	--	186 >	186 >	186 >	186 >	186 >
pH	SU	--	7.45 JK	7.45 JK	7.25 JK	8.77 JK	7.69 JK
Sulfide, Reactive	mg/L	--	1.4 U	10 JQ	1.4 U	1.4 U	10 JQ
SVOCs							
1,2,4-Trichlorobenzene	mg/L	--	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
1,2-Dichlorobenzene	mg/L	--	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U
1,3-Dichlorobenzene	mg/L	--	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U
1,4-Dichlorobenzene	mg/L	--	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
2,4,5-Trichlorophenol	mg/L	--	0.00025 UR	0.00025 UR	0.00025 U	0.00025 U	0.00025 UR
2,4,6-Trichlorophenol	mg/L	--	0.00018 UR	0.00018 UR	0.00018 U	0.00018 U	0.00018 UR
2,4-Dichlorophenol	mg/L	--	0.00015 UR	0.00015 UR	0.00015 U	0.00015 U	0.00015 UR
2,4-Dimethylphenol	mg/L	--	0.00031 UR	0.00031 UR	0.00031 U	0.00031 U	0.00031 UR
2,4-Dinitrophenol	mg/L	--	0.00039 UR	0.00039 UR	0.00039 U	0.00039 U	0.00039 UR
2,4-Dinitrotoluene	mg/L	--	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
2,6-Dinitrotoluene	mg/L	--	0.00008 U	0.000079 U	0.00008 U	0.000079 U	0.00008 U
2-Chloronaphthalene	mg/L	--	0.00008 U	0.000079 U	0.00008 U	0.000079 U	0.00008 U
2-Chlorophenol	mg/L	--	0.00013 UR	0.00013 UR	0.00013 U	0.00013 U	0.00013 UR
2-Methylnaphthalene	mg/L	--	0.00007 U	0.000069 U	0.00007 U	0.000069 U	0.00007 U
2-Methylphenol	mg/L	--	0.00012 UR	0.00012 UR	0.00012 U	0.00012 U	0.00012 UR
2-Nitroaniline	mg/L	--	0.00019 U	0.00019 U	0.00019 U	0.00019 U	0.00019 U
2-Nitrophenol	mg/L	--	0.00022 UR	0.00022 UR	0.00022 U	0.00022 U	0.00022 UR
3 & 4 Methylphenol	mg/L	--	0.0002 UR	0.0002 UR	0.0002 U	0.0002 U	0.0002 UR
3,3'-Dichlorobenzidine	mg/L	--	0.00018 U	0.00018 U	0.00018 U	0.00018 U	0.00018 U
3-Nitroaniline	mg/L	--	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
4,6-Dinitro-2-methylphenol	mg/L	--	0.00083 UR	0.00082 UR	0.00083 U	0.00082 U	0.00083 UR



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Analyte	Units	Sample ID Date Sample Type	RR06 RR06-110823-11 08/23/2011 Field Sample	RR06 RR06-110823-21 08/23/2011 Field Duplicate	RR07 RR07-110823-11 08/23/2011 Field Sample	RR08 RR08-110823-11 08/23/2011 Field Sample	RR09 RR09-110823-11 08/23/2011 Field Sample
SVOCs (continued)							
4-Bromophenyl phenyl ether	mg/L	--	0.0001 U	0.000099 U	0.0001 U	0.000099 U	0.0001 U
4-Chloro-3-methylphenol	mg/L	--	0.00017 UR	0.00017 UR	0.00017 U	0.00017 U	0.00017 UR
4-Chloroaniline	mg/L	--	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U
4-Chlorophenyl phenyl ether	mg/L	--	0.0001 U	0.000099 U	0.0001 U	0.000099 U	0.0001 U
4-Nitroaniline	mg/L	--	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U
4-Nitrophenol	mg/L	--	0.00056 UR	0.00055 UR	0.00056 U	0.00055 U	0.00056 UR
Acenaphthene	mg/L	--	0.00008 U	0.000079 U	0.00008 U	0.000079 U	0.00008 U
Acenaphthylene	mg/L	--	0.00006 U	0.000059 U	0.00006 U	0.000059 U	0.00006 U
Anthracene	mg/L	--	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
Benzidine	mg/L	--	0.00061 U	0.0006 U	0.00061 U	0.0006 U	0.00061 U
Benzo[a]anthracene	mg/L	--	0.00008 U	0.000079 U	0.00008 U	0.000079 U	0.00008 U
Benzo[a]pyrene	mg/L	--	0.00008 U	0.000079 U	0.00008 U	0.000079 U	0.00008 U
Benzo[b]fluoranthene	mg/L	--	0.00007 U	0.000069 U	0.00007 U	0.000069 U	0.00007 U
Benzo[g,h,i]perylene	mg/L	--	0.00008 U	0.000079 U	0.00008 U	0.000079 U	0.00008 U
Benzo[k]fluoranthene	mg/L	--	0.00009 U	0.000089 U	0.00009 U	0.000089 U	0.00009 U
Benzyl alcohol	mg/L	--	0.00017 UR	0.00017 UR	0.00017 U	0.00017 U	0.00017 UR
Bis(2-chloroethoxy)methane	mg/L	--	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
Bis(2-chloroethyl)ether	mg/L	--	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
Bis(2-chloroisopropyl) ether	mg/L	--	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Bis(2-ethylhexyl) phthalate	mg/L	--	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U
Butyl benzyl phthalate	mg/L	--	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
Carbazole	mg/L	--	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U
Chrysene	mg/L	--	0.00008 U	0.000079 U	0.00008 U	0.000079 U	0.00008 U
Dibenz(a,h)anthracene	mg/L	--	0.00008 U	0.000079 U	0.00008 U	0.000079 U	0.00008 U
Dibenzofuran	mg/L	--	0.00008 U	0.000079 U	0.00008 U	0.000079 U	0.00008 U
Diethyl phthalate	mg/L	--	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U



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Analyte	Units	Sample ID Date Sample Type	RR06 RR06-110823-11 08/23/2011 Field Sample	RR06 RR06-110823-21 08/23/2011 Field Duplicate	RR07 RR07-110823-11 08/23/2011 Field Sample	RR08 RR08-110823-11 08/23/2011 Field Sample	RR09 RR09-110823-11 08/23/2011 Field Sample
SVOCs (continued)							
Dimethyl phthalate	mg/L	--	0.00007 U	0.000069 U	0.00007 U	0.000069 U	0.00007 U
Di-n-butyl phthalate	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U
Di-n-octyl phthalate	mg/L	--	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
Fluoranthene	mg/L	--	0.00007 U	0.000069 U	0.00007 U	0.000069 U	0.00007 U
Fluorene	mg/L	--	0.00007 U	0.000069 U	0.00007 U	0.000069 U	0.00007 U
Heptadecane	mg/L	--					
Hexachlorobenzene	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U
Hexachlorobutadiene	mg/L	--	0.00018 U	0.00018 U	0.00018 U	0.00018 U	0.00018 U
Hexachlorocyclopentadiene	mg/L	--	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
Hexachloroethane	mg/L	--	0.0001 U	0.000099 U	0.0001 U	0.000099 U	0.0001 U
Indeno[1,2,3-cd]pyrene	mg/L	--	0.00007 U	0.000069 U	0.00007 U	0.000069 U	0.00007 U
Isophorone	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U
Naphthalene	mg/L	--	0.00008 U	0.000079 U	0.00008 U	0.000079 U	0.00008 U
Nitrobenzene	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U
N-Nitrosodimethylamine	mg/L	--	0.00026 U	0.00026 U	0.00026 U	0.00026 U	0.00026 U
N-Nitrosodi-n-propylamine	mg/L	--	0.0001 U	0.000099 U	0.0001 U	0.000099 U	0.0001 U
N-Nitrosodiphenylamine	mg/L	--	0.0001 U	0.000099 U	0.0001 U	0.000099 U	0.0001 U
Pentachlorophenol	mg/L	--	0.00061 UR	0.0006 UR	0.00061 U	0.0006 U	0.00061 UR
Phenanthrene	mg/L	--	0.00006 U	0.000059 U	0.00006 U	0.000059 U	0.00006 U
Phenol	mg/L	--	0.00004 UR	0.00004 UR	0.00004 U	0.00004 U	0.00004 UR
Polydimethyl Siloxane TIC	mg/L	--	0.001 U	0.00099 U	0.001 U	0.00099 U	0.001 U
Pyrene	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U
Tentatively Identified Compound	mg/L	--	0 None	0 None	0 None	0 None	0 None
Total Cyanide							
Cyanide, Total	mg/L	--	0.0053 U	0.0053 U	0.0053 U	0.0053 U	0.0053 U



Attachment C
Water Analytical Results
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Analyte	Units	Sample ID Date Sample Type	RR06 RR06-110823-11 08/23/2011 Field Sample	RR06 RR06-110823-21 08/23/2011 Field Duplicate	RR07 RR07-110823-11 08/23/2011 Field Sample	RR08 RR08-110823-11 08/23/2011 Field Sample	RR09 RR09-110823-11 08/23/2011 Field Sample
VOCs							
1,1,1-Trichloroethane	mg/L	--	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
1,1,2,2-Tetrachloroethane	mg/L	--	0.00022 U	0.00022 U	0.00022 U	0.00022 U	0.00022 U
1,1,2-Trichloroethane	mg/L	--	0.00028 U	0.00028 U	0.00028 U	0.00028 U	0.00028 U
1,1-Dichloroethane	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U
1,1-Dichloroethene	mg/L	--	0.00019 U	0.00019 U	0.00019 U	0.00019 U	0.00019 U
1,2-Dichloroethane	mg/L	--	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U
1,2-Dichloroethene, Total	mg/L	--	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U
1,2-Dichloropropane	mg/L	--	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
2-Butanone (MEK)	mg/L	--	0.00076 U	0.00076 U	0.00076 U	0.00076 U	0.00076 U
2-Hexanone	mg/L	--	0.00035 U	0.00035 U	0.00035 U	0.00035 U	0.00035 U
4-Methyl-2-pentanone (MIBK)	mg/L	--	0.00045 U	0.00045 U	0.00045 U	0.00045 U	0.00045 U
Acetone	mg/L	--	0.00099 UR	0.00099 UR	0.00099 UR	0.00099 UR	0.00099 UR
Benzene	mg/L	--	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
Bromodichloromethane	mg/L	--	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
Bromoform	mg/L	--	0.00019 U	0.00019 U	0.00019 U	0.00019 U	0.00019 U
Bromomethane	mg/L	--	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U
Carbon disulfide	mg/L	--	0.00024 U	0.00024 U	0.00024 U	0.00028 JQ	0.00024 JQ
Carbon tetrachloride	mg/L	--	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
Chlorobenzene	mg/L	--	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
Chlorobromomethane	mg/L	--	0.00018 U	0.00018 U	0.00018 U	0.00018 U	0.00018 U
Chloroethane	mg/L	--	0.00008 U	0.00008 U	0.00008 U	0.00008 U	0.00008 U
Chloroform	mg/L	--	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
Chloromethane	mg/L	--	0.00018 U	0.00018 U	0.00018 U	0.00018 U	0.00018 U
cis-1,2-Dichloroethene	mg/L	--	0.00006 U	0.00006 U	0.00006 U	0.00006 U	0.00006 U
cis-1,3-Dichloropropene	mg/L	--	0.00018 U	0.00018 U	0.00018 U	0.00018 U	0.00018 U
Dibromochloromethane	mg/L	--	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
Ethylbenzene	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U



Attachment C
Water Analytical Results
Red River Fish Kill
Oscar, Jefferson County, Oklahoma

Analyte	Units	Sample ID	RR06	RR06	RR07	RR08	RR09
		Date Sample Type	RR06-110823-11 08/23/2011 Field Sample	RR06-110823-21 08/23/2011 Field Duplicate	RR07-110823-11 08/23/2011 Field Sample	RR08-110823-11 08/23/2011 Field Sample	RR09-110823-11 08/23/2011 Field Sample
VOCs (continued)							
Methylene Chloride	mg/L	--	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
m-Xylene & p-Xylene	mg/L	--	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U
o-Xylene	mg/L	--	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U
Styrene	mg/L	--	0.00007 U	0.00007 U	0.00007 U	0.00007 U	0.00007 U
Tetrachloroethene	mg/L	--	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
Toluene	mg/L	--	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
trans-1,2-Dichloroethene	mg/L	--	0.00009 U	0.00009 U	0.00009 U	0.00009 U	0.00009 U
trans-1,3-Dichloropropene	mg/L	--	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U
Trichloroethene	mg/L	--	0.00018 U	0.00018 U	0.00018 U	0.00018 U	0.00018 U
Vinyl acetate	mg/L	--	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U
Vinyl chloride	mg/L	--	0.00011 U	0.00011 U	0.00011 U	0.00011 U	0.00011 U
Xylenes, Total	mg/L	--	0.00026 U	0.00026 U	0.00026 U	0.00026 U	0.00026 U

Notes:

Shaded cells indicate a concentration that exceeds the background sample (RR01) concentration.

Bold values indicate a detected concentration.

NA indicates not analyzed.

Definition of Qualifiers:

'B' indicates a detection in an associated laboratory or field blank.

'H' indicates a high bias

'J' indicates an estimated value

'K' indicates an unknown bias

'L' indicates a low bias

'N' indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.

'R' indicates a rejected result

'T' indicates the result is a Tentatively Identified Compound and is an estimated value.

'U' indicates not detected at the associated concentration.

