4500 NORTH WEST AVE. • P. O. BOX 231 • EL DORADO, AR 71731 • (870) 863-1400

EL DORADO
CHEMICAL COMPANY

January 3, 2014

Arkansas Department of Environmental Quality
Amy Schlutterman
Water Division Enforcement Branch
5301 Northshore Drive
North Little Rock, AR 72118-5317

RE: El Dorado Chemical Company (AR 0000752) Priority Pollutant Scan

According to Permit Number AR0000752, Page 2, Part 1B, El Dorado Chemical Company is submitting its Priority Pollutant Scan for Outfall 010.
If you have any questions regarding this report, please contact Larken Pennington at (870) 863-1125.

Sincerely,

Gregory Withrow

Greg Withrow
General Manager

Enclosures

ARKANSAS Department of Environmental Quality
PPS REQUIREMENTS

1. Name of facility:
   El Dorado Chemical Company

2. Name, address and telephone number of laboratory:
   American Interplex Corporation, 8600 Kanis Road, Little Rock, AR 72204-2322

   Tel: 501-224-5060

3. Is the lab certified by the State of Arkansas? Yes X No ___

4. What are the certification dates?
   Issued data February 28, 2013 Expire date February 28, 2014

5. Is the laboratory certified for all the parameters?
   YES ___ No X (Explain)
   American Interplex is not certified to analyze 2,3,7,8-Tetrachloro-debenzo-p-dioxin (TCDD).

   That parameter was subcontracted to: Pace Analytical Services, Inc., 1700 Elm Street-Suite 200, Minneapolis, MN 55415. Tel: 612-607-1700

6. Date and time of samples collected:
   November 27, 2013 @ 0945am

7. Date and time samples were received in the laboratory:
   November 27, 2013 @ 1320 to American Interplex. The one sample subcontracted out arrived at Pace Analytical Services on 12/3/13 @ 0810.

8. Sample location (Outfall No.):
   Outfall 010

9. Samples collected by:
   Name Larken Pennington
   Title Environmental Technician
   Telephone 870-863-1125

10. I certify under penalty of law that this document and all attachments were prepared under my direction of supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge and belief, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Larken Pennington	Environmental Technician
Printed Name of person signing	Title
Larken Pennington	01/03/14
Signature	Date signed

List all attachments to this form: Laboratory Analyses/American Interplex Corporation Control No. 173011
American Interplex Corporation Laboratory Certification
Pace Analytical Certification

METALS AND CYANIDE	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
1. Antimony (Total), Recoverable	<60	EPA 200.8	60	60
2. Arsenic (Total), Recoverable	0.68	EPA 200.8	0.5	0.5
3. Beryllium (Total), Recoverable	<0.5	EPA 200.8	0.5	0.5
4. Cadmium (Total), Recoverable	<0.5	EPA 200.8	0.5	0.5
5. Chromium (Total), Recoverable	<10	EPA 200.8	10	10
7. Chromium (6+), Dissolved	<10	SM 3500-Cr B 2009	10	10
8. Copper (Total), Recoverable	6.2	EPA 200.8	0.5	0.5
9. Lead (Total), Recoverable	1.7	EPA 200.8	0.5	0.5
10. Mercury (Total), Recoverable	0.0090	EPA 245.7	0.0050	0.005
12. Nickel (Total), Recoverable	6.5	EPA 200.8	0.5	0.5
13. Selenium (Total), Recoverable	<5	EPA 200.8	5	5
14. Silver (Total), Recoverable	<0.5	EPA 200.8	0.5	0.5
15. Thallium (Total), Recoverable	<0.5	EPA 200.8	0.5	0.5
16. Zinc (Total), Recoverable	260	EPA 200.8	20	20
129. Phenols, Total Recoverable	<10	EPA 200.8	10	5
17. Cyanide (Total), Recoverable	<10	EPA 200.8	10	10

DIOXIN	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
18. 2,3,7,8-Tetrachloro-debenzo-p-dioxin (TCDD)	ND	EPA 1613B	0.01	0.00001

VOLATILE COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
19. Acrolein	<50	EPA 624	50	50
20. Acrylonitrile	<20	EPA 624	20	20
21. Benzene	<10	EPA 624	10	10
22. Bromoform	<10	EPA 624	10	10
23. Carbon Tetrachloride	<2.0	EPA 624	2.0	2
24. Chlorobenzene	<10	EPA 624	10	10
25. Chlorodibromomethane	<10	EPA 624	10	10
26. Chloroethane	<50	EPA 624	50	50
27. 2-Chloroethyl vinyl ether	<10	EPA 624	10	10
28. Chloroform	<10	EPA 624	10	10
29. Dichlorobromomethane	<10	EPA 624	10	10
30. 1,1-Dichloroethane	<10	EPA 624	10	10
31. 1,2-Dichloroethane	<10	EPA 624	10	10
32. 1,1-Dichloroethylene	<10	EPA 624	10	10
33. 1,2-Dichloropropane	<10	EPA 624	10	10
34. 1,3-Dichloropropylene	<10	EPA 624	10	10
35. Ethylbenzene	<10	EPA 624	10	10
36. Methyl Bromide [Bromomethane]	<50	EPA 624	50	50
37. Methyl Chloride [Chloromethane]	<50	EPA 624	50	50
38. Methylene Chloride	<20	EPA 624	20	20
39. 1,1,2,2-Tetrachloroethane	<10	EPA 624	10	10
40. Tetrachloroethylene	<10	EPA 624	10	10
41. Toluene	<10	EPA 624	10	10
42. 1,2-trans-Dichloroethylene	<10	EPA 624	10	10
43. 1,1,1-Trichloroethane	<10	EPA 624	10	10
44. 1,1,2-Trichloroethane	<10	EPA 624	10	10
45. Trichloroethylene	<10	EPA 624	10	10
46. Vinyl Chloride	<10	EPA 624	10	10

ACID COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
47. 2-Chlorophenol	<10	EPA 625	10	10
48. 2,4-Dichlorophenol	<10	EPA 625	10	10
49. 2,4-Dimethylphenol	<10	EPA 625	10	10
50. 4,6-Dinitro-o-Cresol [2 methyl 4,6-dinitrophenol]	<50	EPA 625	50	50
51. 2,4-Dinitrophenol	<50	EPA 625	50	50
52. 2-Nitrophenol	<20	EPA 625	20	20
53. 4-Nitrophenol	<50	EPA 625	50	50
54. P-Chloro-m-Cresol [4 chloro-3-methylphenol]	<10	EPA 625	10	10
55. Pentachlorophenol	<5.0	EPA 625	5.0	5
56. Phenol	<10	EPA 625	10	10
57. 2,4,6-Trichlorophenol	<10	EPA 625	10	10

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
58. Acenaphthene	<10	EPA 625	10	10
59. Acenaphthylene	<10	EPA 625	10	10
60. Anthracene	<10	EPA 625	10	10
61. Benzidine	<50	EPA 625	50	50
62. Benzo(a)anthracene	<5.0	EPA 625	5.0	5
63. Benzo(a)pyrene	<5.0	EPA 625	5.0	5
64. 3,4-Benzofluoranthene	<10	EPA 625	10	10
65. Benzo(ghi)perylene	<20	EPA 625	20	20
66. Benzo(k)fluoranthene	<5.0	EPA 625	5.0	5
67. Bis(2-chloroethoxy) methane	<10	EPA 625	10	10
68. Bis(2-chloroethyl) ether	<10	EPA 625	10	10
69. Bis(2-chloroisopropyl) ether	<10	EPA 625	10	10
70. Bis(2-ethylhexyl) phthalate	<10	EPA 625	10	10
71. 4-Bromophenyl phenyl ether	<10	EPA 625	10	10
72. Butyl benzyl phthalate	<10	EPA 625	10	10
73. 2-Chloronapthalene	<10	EPA 625	10	10
74. 4-Chlorophenyl phenyl ether	<10	EPA 625	10	10
75. Chrysene	<5.0	EPA 625	5.0	5
76. Dibenzo (a,h) anthracene	<5.0	EPA 625	5.0	5
77. 1,2-Dichlorobenzene	<10	EPA 625	10	10
78. 1,3-Dichlorobenzene	<10	EPA 625	10	10
79. 1,4-Dichlorobenzene	<10	EPA 625	10	10
80. 3,3'-Dichlorobenzidine	<5.0	EPA 625	5.0	5
81. Diethyl Phthalate	<10	EPA 625	10	10
82. Dimethyl Phthalate	<10	EPA 625	10	10
83. Di-n-Butyl Phthalate	<10	EPA 625	10	10
84. 2,4-Dinitrotoluene	<10	EPA 625	10	10
85. 2,6-Dinitrotoluene	<10	EPA 625	10	10
86. Di-n-octyl Phthalate	<10	EPA 625	10	10

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
87. 1,2-Diphenylhydrazine	<20	EPA 625	20	20
89. Fluorene	<10	EPA 625	10	10
90. Hexachlorobenzene	<5.0	EPA 625	5.0	5
91. Hexachlorobutadiene	<10	EPA 625	10	10
92. Hexachlorocyclopentadiene	<10	EPA 625	10	10
93. Hexachloroethane	<20	EPA 625	20	20
94. Indeno (1,2,3-cd) pyrene (2,3-o-phenylene pyrene)	<5.0	EPA 625	5.0	5
95. Isophorone	<10	EPA 625	10	10
96. Naphthalene	<10	EPA 625	10	10
97. Nitrobenzene	<10	EPA 625	10	10
98. N-nitrosodimethylamine	<50	EPA 625	50	50
99. N-nitrosodi-n-propylamine	<20	EPA 625	20	20
100. N-nitrosodiphenylamine	<50	EPA 625	50	20
101. Phenanthrene	<10	EPA 625	10	10
102. Pyrene	<10	EPA 625	10	10
103. 1,2,4-Trichlorobenzene	<10	EPA 625	10	10

PESTICIDES	LABORATORY ANALYSIS			REQUIRED MQL (µg/1)
	RESULTS (µg/1)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/1)	
104. Aldrin	<0.010	EPA 608	0.010	0.01
105. Alpha-BHC	<0.050	EPA 608	0.050	0.05
106. Beta-BHC	<0.050	EPA 608	0.050	0.05
107. Gamma-BHC	<0.050	EPA 608	0.050	0.05
108. Delta-BHC	<0.050	EPA 608	0.050	0.05
109. Chlordane	<0.20	EPA 608	0.20	0.2
110. 4,4'-DDT	<0.020	EPA 608	0.020	0.02
111. 4,4'-DDE (p,p-DDX)	<0.10	EPA 608	0.10	0.1
112. 4,4'-DDD 9(p,p-TDE)	<0.10	EPA 608	0.10	0.1
113. Dieldrin	<0.020	EPA 608	0.020	0.02
114. Alpha-endosulfan	<0.010	EPA 608	0.010	0.01
115. Beta-endosulfan	<0.020	EPA 608	0.020	0.02
116. Endosulfan sulfate	<0.10	EPA 608	0.10	0.1
117. Endrin	<0.020	EPA 608	0.020	0.02
118. Endrin aldehyde	<0.10	EPA 608	0.10	0.1
119. Heptachlor	<0.010	EPA 608	0.010	0.01
120. Heptachlor epoxide (BHC-hexachlorocyclohexane)	<0.010	EPA 608	0.010	0.01
130. Chlorpyrifos	<0.070	EPA 608	0.070	0.07
121. PCB-1242	<0.20	EPA 608	0.20	0.2
122. PCB-1254	<0.20	EPA 608	0.20	0.2
123. PCB-1221	<0.20	EPA 608	0.20	0.2
124. PCB-1232	<0.20	EPA 608	0.20	0.2
125. PCB-1248	<0.20	EPA 608	0.20	0.2
126. PCB-1260	<0.20	EPA 608	0.20	0.2
127. PCB-1016	<0.20	EPA 608	0.20	0.2
128. Toxaphene	<0.30	EPA 608	0.30	0.3

State of Arkansas
Department of Environmental Quality
Laboratory Certification Program

American Interplex Corporation

Little Rock, AR

has earned certification by law in accordance with Code Annotated §8-2-201 et seq., the State Environmental Laboratory Certification Program Act for the following parameters:

Acidity	Oil & Grease	Aluminum	Manganese	Fecal Coliform
Alkalinity	Orthophosphate	Antimony	Mercury	Total Coliform
Ammonia	pH	Arsenic	Molybdenum	Corrosivity
BOD	Phenol	Barium	Nickel	DRO
Bromide	Sulfate	Beryllium	Potassium	GRO
CBOD	Sulfide	Boron	Selenium	Ignitability
Chloride	Surfactants	Cadmium	Silver	TOX
Chlorine	TDS	Calcium	Sodium	TPH
COD	TKN	Chromium	Strontium	Acute Toxicity
Conductivity	TOC	Cobalt	Thallium	Chronic Toxicity
Cyanide	Total Phosphorus	Copper	Tin	Herbicides
Fluoride	Total Solids	Hex. Chromium	Titanium	Pesticides & PCBs
Hardness	TSS	Iron	Vanadium	Semi-volatiles
Nitrate	Turbidity	Lead	Zinc	Volatile Organics
Nitrite	Vol Solids	Magnesium	E-Coli	

Laboratory ID: **60-0889**

Certificate Number: **13-008-0**

Issued Date: **28 February 2013**

Expired Date: **28 February 2014**

Teresa Marks

ADEQ Director

Pace Analytical™

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
Alabama	40770	Mississippi	MN00064
Alaska	MN00064	Montana	92
Arizona	AZ0014	Nebraska	
Arkansas	88-0680	Nevada	MN_00064_200
California	01155CA	New Jersey (NE	MN002
Colorado	MN00064	New Mexico	MN00064
Connecticut	PH-0256	New York (NEL	11647
EPA Region 5	WD-15J	North Carolina	27700
EPA Region 8	8TMS-Q	North Dakota	R-036
Florida (NELAP	E87605	Ohio	4150
Georgia (DNR)	959	Oklahoma	D9922
Guam	959	Oregon (ELAP)	MN200001-005
Hawaii	SLD	Oregon (OREL	MN300001-001
Idaho	MN00064	Pennsylvania	68-00563
Illinois	200012	Saipan	MP0003
Indiana	C-MN-01	South Carolina	74003001
Indiana	C-MN-01	Tennesee	2818
Iowa	368	Tennessee	02818
Kansas	E-10167	Texas	T104704192-08
Kentucky	90062	Utah (NELAP)	PAM
Louisiana	03086	Virginia	00251
Maine	2007029	Washington	C755
Maryland	322	West Virginia	9952C
Michigan	9909	Wisconsin	999407970
Minnesota	027-053-137	Wyoming	8TMS-Q

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

AMERICAN INTERPLEX CORPORATION
LABORATORIES

December 17, 2013

El Dorado Chemical Company
ATTN: Ms. Larken Pennington
4500 North West Avenue
El Dorado, AR 71730

Re: Laboratory Analyses
American Interplex Corporation Control No. 173011

Dear Ms. Pennington,

Attached are the results for the water sample identified as Outfall 010 - PPS collected on November 26 and November 27 2013 at 9:45am. This sample was submitted on November 27, 2013 and subcontracted to Pace Analytical.

Sincerely,

AMERICAN INTERPLEX CORPORATION

John Overbey
Laboratory Director

JO/bs

Enclosure: Laboratory Analytical Report
Chain of Custody

8600 Kanis Road • Little Rock, AR 72204 www.americaninterplex.com 501-224-5060 • FAX 501-224-5072

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

www.pacelabs.com

Report Prepared for:

Jon Overby
American Interplex Laboratory
8600 Kanis Road
Little Rock AR 72204

REPORT OF LABORATORY ANALYSIS FOR TCDD

Report Information:

Pace Project #: 10251026
Sample Receipt Date: 12/03/2013
Client Project #: C-1599
Client Sub PO #: 22500
State Cert #: 88-0680

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 2,3,7,8-TCDD Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Brittany Hansen, your Pace Project Manager.

This report has been reviewed by:

Brittany J. Hansen

December 17, 2013

Brittany Hansen, Project Manager
(612) 607-6429
(612) 607-6444 (fax)
brittany.hansen@pacelabs.com

ACCREDITED IN ACCORDANCE WITH nelac

Report of Laboratory Analysis

This report should not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

The results relate only to the samples included in this report.

Report Prepared Date:
December 10, 2013

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

DISCUSSION

This report presents the results from the analysis performed on one sample submitted by a representative of American Interplex Laboratories. The sample was analyzed for the presence or absence of 2,3,7,8-tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD) using USEPA Method 1613B. The reporting limits were set to correspond to the lowest calibration point and a nominal 1-Liter sample amount.

The isotopically-labeled TCDD internal standard in the sample extract was recovered at 90%. All of the labeled standard recoveries obtained for this project were within the target ranges specified in Method 1613B. Since the quantification of the native TCDD was based on isotope dilution, the data were automatically corrected for recovery and accurate values were obtained.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show that 2,3,7,8-TCDD was not detected. This indicates that the sample processing steps were free of background levels of this congener.

Laboratory spike samples were also prepared using clean water that had been fortified with native standard material. The results show that the spiked native TCDD was recovered at 96-97% with a relative percent difference of 1.0%. These results indicate high degrees of accuracy and precision for these determinations. Matrix spikes were not prepared with the sample batch.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
Alabama	40770	Mississippi	MN00064
Alaska	MN00064	Montana	92
Arizona	AZ0014	Nebraska	
Arkansas	88-0680	Nevada	MN_00064_200
California	01155CA	New Jersey (NE	MN002
Colorado	MN00064	New Mexico	MN00064
Connecticut	PH-0256	New York (NEL	11647
EPA Region 5	WD-15J	North Carolina	27700
EPA Region 8	8TMS-Q	North Dakota	R-036
Florida (NELAP	E87605	Ohio	4150
Georgia (DNR)	959	Oklahoma	D9922
Guam	959	Oregon (ELAP)	MN200001-005
Hawaii	SLD	Oregon (OREL	MN300001-001
Idaho	MN00064	Pennsylvania	68-00563
Illinois	200012	Saipan	MP0003
Indiana	C-MN-01	South Carolina	74003001
Indiana	C-MN-01	Tennesee	2818
Iowa	368	Tennessee	02818
Kansas	E-10167	Texas	T104704192-08
Kentucky	90062	Utah (NELAP)	PAM
Louisiana	03086	Virginia	00251
Maine	2007029	Washington	C755
Maryland	322	West Virginia	9952C
Michigan	9909	Wisconsin	999407970
Minnesota	027-053-137	Wyoming	8TMS-Q

REPORT OF LABORATORY ANALYSIS

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Appendix A

Sample Management

AMERICAN INTERPLEX CORPORATION LABORATORIES

1132

10251026

8600 Kanis Road
Little Rock, AR 72204-2322
(501) 224-5060
FAX (501) 224-5072

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE ___ OF ___

Report No.....10251026_1613B

Client: American Interplex Corporation

PO No. 22500

Project Reference: C-1599

Project Manager: Mr. John overbey

Sampled By: Client

AIC CONTROL NO:

AIC PROPOSAL NO:

Carrier:

Received on Ice (4 C)? YES NO

AIC No	Sample Identification	Date/Time Collected	GRAB	COMP	WATER	SOIL		NO OF BOTTLES	1613 B High Res Dioxin												Remarks
	173011	11-26-13 945 - 11-27-13 945		X	X			3	X												10251026001
		Container Type																			
		Preservative																			

Field pH calibration on ________ @ ______

Buffer:

Symbol references: G = Glass P = Plastic V = VOA vials T = Sodium Thiosulfate
NO = none S = Sulfuric acid pH2 N = Nitric acid pH2 B = NaOH to pH12 Z = Zinc acetate

Turnaround Time Requested: (Please circle)
NORMAL or EXPEDITED IN ___ DAYS
Expedited results requested by: ____________
Who should AIC contact with questions: ____________
Phone: 501 224-5060 Fax: 501 224-5072
Report Attention to: Mr. John Overbey
Report Address to: American Interplex Corporation
8600 Kanis Road
Little Rock, AR 72204-2322

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12-2-13 1700	AAI pace	12/3/13 8:10
Relinquished By:	Date/Time	Received in Lab By:	Date/Time

Comments: ~~Please report via Facsimile upon completion, follow with hard copy.~~

4/99

FORM 0060

interplex@americaninterplex.com

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 07Nov2013 Page 1 of 1
	Document No.: F-MN-L-213-rev.08	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: AMERICAN INTERDEX

Project #: WO#: 10251026

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 4047 1382 2804

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other: Temp Blank? ☐ Yes ☑ No

Thermom. Used: ☐ 80512447 ☐ 72337080 ☐ B88A912167504 ☐ B88A9132521491 Type of Ice: ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 0.6 Cooler Temp Corrected (°C): 0.3 Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C Correction Factor: -0.3 Date and Initials of Person Examining Contents: 12/3/13 AM

				Comments:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☐ Yes	☑ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11.
Sample Labels Match COC? AM 12/3/13	☐ Yes	☑ No	☐ N/A	12. No time and date on containers.
-Includes Date/Time/ID/Analysis Matrix: WT				
All containers needing acid/base preservation have been checked? Noncompliances are noted in 13.	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH>12)	☐ Yes	☐ No	☑ N/A	Sample #
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water) DOC	☐ Yes	☑ No		Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution: TCDD only

Project Manager Review: BHZ Date: 12/13/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical™

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Reporting Flags

A = Reporting Limit based on signal to noise

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

I = Interference present

J = Estimated value

Nn = Value obtained from additional analysis

P = PCDE Interference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

* = See Discussion

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Appendix B

Sample Analysis Summary

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B Sample Analysis Results

Client - American Interplex Laboratory

Client's Sample ID	173011		
Lab Sample ID	10251026001		
Filename	U131209B_07		
Injected By	SMT		
Total Amount Extracted	954 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	11/27/2013 09:45
ICAL ID	U131104	Received	12/03/2013 08:10
CCal Filename(s)	U131209B_02	Extracted	12/06/2013 18:00
Method Blank ID	BLANK-38606	Analyzed	12/09/2013 19:21

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	-----	10	2,3,7,8-TCDD-13C	2.00	90
				Recovery Standard 1,2,3,4-TCDD-13C	2.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	0.20	89

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit.

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B Blank Analysis Results

Lab Sample ID	BLANK-38606	Matrix	Water
Filename	F131209A_11	Dilution	NA
Total Amount Extracted	1030 mL	Extracted	12/06/2013 18:00
ICAL ID	F131125	Analyzed	12/09/2013 20:18
CCal Filename(s)	F131209A_03	Injected By	SMT

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	-----	10	2,3,7,8-TCDD-13C	2.00	83
				Recovery Standard 1,2,3,4-TCDD-13C	2.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	0.20	91

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
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Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-38607		
Filename	F131209A_04	Matrix	Water
Total Amount Extracted	1020 mL	Dilution	NA
ICAL ID	F131125	Extracted	12/06/2013 18:00
CCal Filename	F131209A_03	Analyzed	12/09/2013 14:44
Method Blank ID	BLANK-38606	Injected By	SMT

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDD	10	9.6	7.3	14.6	96
2,3,7,8-TCDD-37Cl4	10	9.6	3.7	15.8	96
2,3,7,8-TCDD-13C	100	91	25.0	141.0	91

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

REPORT OF LABORATORY ANALYSIS

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Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCSD-38608		
Filename	F131209A_05	Matrix	Water
Total Amount Extracted	1030 mL	Dilution	NA
ICAL ID	F131125	Extracted	12/06/2013 18:00
CCal Filename	F131209A_03	Analyzed	12/09/2013 15:30
Method Blank ID	BLANK-38606	Injected By	SMT

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDD	10	9.7	7.3	14.6	97
2,3,7,8-TCDD-37Cl4	10	8.5	3.7	15.8	85
2,3,7,8-TCDD-13C	100	79	25.0	141.0	79

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

REPORT OF LABORATORY ANALYSIS

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Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B

Spike Recovery Relative Percent Difference (RPD) Results

Client	American Interplex Laboratory		
Spike 1 ID	LCS-38607	Spike 2 ID	LCSD-38608
Spike 1 Filename	F131209A_04	Spike 2 Filename	F131209A_05

Compound	Spike 1 %REC	Spike 2 %REC	%RPD
2,3,7,8-TCDD	96	97	1.0

%REC = Percent Recovered
RPD = The difference between the two values divided by the mean value

REPORT OF LABORATORY ANALYSIS

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AMERICAN INTERPLEX CORPORATION
LABORATORIES

El Dorado Chemical Company
ATTN: Ms. Larken Pennington
4500 North West Avenue
El Dorado, AR 71730

This report contains the analytical results and supporting information for samples submitted on November 27, 2013. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Laboratory Director or a qualified designee.

John Overbey
Laboratory Director

This document has been distributed to the following:

PDF cc: El Dorado Chemical Company
ATTN: Ms. Larken Pennington
lpennington@edc-ark.com

El Dorado Chemical Company
ATTN: Mr. David Sartain
dsartain@edc-ark.com

El Dorado Chemical Company
ATTN: Mr. Kyle Wimsett
kwimsett@edc-ark.com

GBMc & Associates, Inc.
ATTN: Mr. Russell McLaren
rmclaren@gbmcassoc.com

GBMc & Associates, Inc.
ATTN: Ms. Amanda Gallagher
agallagher@gbmcassoc.com

AMERICAN INTERPLEX CORPORATION
LABORATORIES

El Dorado Chemical Company
4500 North West Avenue
El Dorado, AR 71730

SAMPLE INFORMATION

Project Description:
Two (2) water sample(s) received on November 27, 2013
Priority Pollutant Scan
P.O. No. 357042

Receipt Details:
A Chain of Custody was provided. The samples were delivered in one (1) ice chest.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

Sample Identification:

Laboratory ID	Client Sample ID	Sampled Date/Time	Notes
173011-1	Outfall 010 - PPS 11/26/13 945 - 11/27/13 945am	27-Nov-2013 0945	
173011-2	Outfall 010 - PPS 11/27/13 945am	27-Nov-2013 0945	

Qualifiers:
- D Result is from a secondary dilution factor
- Q Analyte is not within quality control limits
- R n-Nitrosodiphenylamine cannot be separated from diphenylamine

Case Narrative:
Matrix spike for batch B8681 was not performed on any sample associated with AIC Control No. 173011. Matrix spike for batch G9502 was not performed on any sample associated with AIC Control No. 173011.

References:
"Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
"Standard Methods for the Examination of Water and Wastewaters", 21st edition.
"American Society for Testing and Materials" (ASTM).
"Association of Analytical Chemists" (AOAC).

AMERICAN INTERPLEX CORPORATION
LABORATORIES

El Dorado Chemical Company
4500 North West Avenue
El Dorado, AR 71730

ANALYTICAL RESULTS

AIC No. 173011-1
Sample Identification: Outfall 010 - PPS 11/26/13 945 - 11/27/13 945am

Analyte		Result	RL	Units	Qualifier
Chromium, Hexavalent		**< 10**	10	**ug/l**	
SM 3500-Cr B 2009	Prep: 02-Dec-2013 1457 by 308	Analyzed: 02-Dec-2013 1530 by 308		Batch: W45822	
Mercury, low level		**0.0090**	0.0050	**ug/l**	
EPA 245.7	Prep: 03-Dec-2013 0838 by 311	Analyzed: 03-Dec-2013 1208 by 311		Batch: S35887	
Total Recoverable Antimony		**< 60**	60	**ug/l**	
EPA 200.8	Prep: 02-Dec-2013 0910 by 305	Analyzed: 02-Dec-2013 1253 by 305		Batch: S35875	
Total Recoverable Arsenic		**0.68**	0.5	**ug/l**	
EPA 200.8	Prep: 02-Dec-2013 0910 by 305	Analyzed: 02-Dec-2013 1253 by 305		Batch: S35875	
Total Recoverable Beryllium		**< 0.5**	0.5	**ug/l**	
EPA 200.8	Prep: 02-Dec-2013 0910 by 305	Analyzed: 02-Dec-2013 1253 by 305		Batch: S35875	
Total Recoverable Cadmium		**< 0.5**	0.5	**ug/l**	
EPA 200.8	Prep: 02-Dec-2013 0910 by 305	Analyzed: 02-Dec-2013 1253 by 305		Batch: S35875	
Total Recoverable Chromium		**< 10**	10	**ug/l**	
EPA 200.8	Prep: 02-Dec-2013 0910 by 305	Analyzed: 02-Dec-2013 1253 by 305		Batch: S35875	
Total Recoverable Copper		**6.2**	0.5	**ug/l**	
EPA 200.8	Prep: 02-Dec-2013 0910 by 305	Analyzed: 02-Dec-2013 1253 by 305		Batch: S35875	
Total Recoverable Lead		**1.7**	0.5	**ug/l**	
EPA 200.8	Prep: 02-Dec-2013 0910 by 305	Analyzed: 02-Dec-2013 1253 by 305		Batch: S35875	
Total Recoverable Nickel		**6.5**	0.5	**ug/l**	
EPA 200.8	Prep: 02-Dec-2013 0910 by 305	Analyzed: 02-Dec-2013 1253 by 305		Batch: S35875	
Total Recoverable Selenium		**< 5**	5	**ug/l**	
EPA 200.8	Prep: 02-Dec-2013 0910 by 305	Analyzed: 02-Dec-2013 1253 by 305		Batch: S35875	
Total Recoverable Silver		**< 0.5**	0.5	**ug/l**	
EPA 200.8	Prep: 02-Dec-2013 0910 by 305	Analyzed: 02-Dec-2013 1253 by 305		Batch: S35875	
Total Recoverable Thallium		**< 0.5**	0.5	**ug/l**	
EPA 200.8	Prep: 02-Dec-2013 0910 by 305	Analyzed: 02-Dec-2013 1253 by 305		Batch: S35875	
Total Recoverable Zinc		**260**	20	**ug/l**	
EPA 200.8	Prep: 02-Dec-2013 0910 by 305	Analyzed: 02-Dec-2013 1253 by 305		Batch: S35875	
Base/Neutral and Acid Compounds By EPA 625					
Acenaphthene		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Acenaphthylene		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Anthracene		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Benzidine		**< 50**	50	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Benzo(a)anthracene		**< 5.0**	5.0	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Benzo(a)pyrene		**< 5.0**	5.0	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	

El Dorado Chemical Company
4500 North West Avenue
El Dorado, AR 71730

ANALYTICAL RESULTS

AIC No. 173011-1 (Continued)
Sample Identification: Outfall 010 - PPS 11/26/13 945 - 11/27/13 945am

Analyte	Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)				
Benzo(g,h,i)perylene	**< 20**	20	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Benzo(k)fluoranthene	**< 5.0**	5.0	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
3,4-Benzofluoranthene	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Bis(2-chloroethoxy)methane	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Bis(2-chloroethyl)ether	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Bis(2-chloroisopropyl)ether	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Bis(2-ethylhexyl)phthalate	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
4-Bromophenyl phenyl ether	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Butylbenzyl phthalate	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
2-Chloronaphthalene	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
2-Chlorophenol	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
4-Chlorophenyl phenyl ether	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Chrysene	**< 5.0**	5.0	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Di-n-butyl phthalate	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Di-n-octyl phthalate	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Dibenz(a,h)anthracene	**< 5.0**	5.0	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
3,3'-Dichlorobenzidine	**< 5.0**	5.0	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
2,4-Dichlorophenol	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Diethyl phthalate	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Dimethyl phthalate	**< 10**	10	**ug/l**	
EPA 625 Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	

AMERICAN INTERPLEX CORPORATION
LABORATORIES

El Dorado Chemical Company
4500 North West Avenue
El Dorado, AR 71730

ANALYTICAL RESULTS

AIC No. 173011-1 (Continued)
Sample Identification: Outfall 010 - PPS 11/26/13 945 - 11/27/13 945am

Analyte		Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)					
2,4-Dimethylphenol		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
4,6-Dinitro-o-cresol		**< 50**	50	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
2,4-Dinitrophenol		**< 50**	50	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
2,4-Dinitrotoluene		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
2,6-Dinitrotoluene		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
1,2-Diphenylhydrazine		**< 20**	20	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Fluorene		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Hexachlorobenzene		**< 5.0**	5.0	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Hexachlorobutadiene		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Hexachlorocyclopentadiene		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Hexachloroethane		**< 20**	20	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Indeno(1,2,3-cd)pyrene		**< 5.0**	5.0	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Isophorone		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
n-Nitrosodi-n-propylamine		**< 20**	20	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
n-Nitrosodimethylamine		**< 50**	50	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
n-Nitrosodiphenylamine		**< 20**	20	**ug/l**	R
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Naphthalene		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Nitrobenzene		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
2-Nitrophenol		**< 20**	20	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
4-Nitrophenol		**< 50**	50	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	

El Dorado Chemical Company
4500 North West Avenue
El Dorado, AR 71730

ANALYTICAL RESULTS

AIC No. 173011-1 (Continued)
Sample Identification: Outfall 010 - PPS 11/26/13 945 - 11/27/13 945am

Analyte		Result	RL	Units	Qualifier
Base/Neutral and Acid Compounds By EPA 625 (Continued)					
p-Chloro-m-cresol		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Pentachlorophenol		**< 5.0**	5.0	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Phenanthrene		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Phenol		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Pyrene		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
1,2,4-Trichlorobenzene		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
2,4,6-Trichlorophenol		**< 10**	10	**ug/l**	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Surrogate: 2-Fluorobiphenyl (50.0-110%)		71.5		%	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Surrogate: 2-Fluorophenol (20.0-110%)		55.8		%	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Surrogate: Nitrobenzene-D5 (40.0-110%)		72.5		%	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Surrogate: Terphenyl-D14 (50.0-135%)		83.0		%	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Surrogate: 2,4,6-Tribromophenol (40.0-125%)		51.2		%	
EPA 625	Prep: 27-Nov-2013 1512 by 301	Analyzed: 28-Nov-2013 0233 by 306		Batch: B8681	
Organochlorine Pesticides and PCBs By EPA 608					
Aldrin		**< 0.010**	0.010	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
alpha-BHC		**< 0.050**	0.050	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
alpha-Endosulfan		**< 0.010**	0.010	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
beta-BHC		**< 0.050**	0.050	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
beta-Endosulfan		**< 0.020**	0.020	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
Chlordane		**< 0.20**	0.20	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
Chlorpyrifos		**< 0.070**	0.070	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	

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El Dorado Chemical Company
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El Dorado, AR 71730

ANALYTICAL RESULTS

AIC No. 173011-1 (Continued)
Sample Identification: Outfall 010 - PPS 11/26/13 945 - 11/27/13 945am

Analyte		Result	RL	Units	Qualifier
Organochlorine Pesticides and PCBs By EPA 608 (Continued)					
4,4'-DDD		**< 0.10**	0.10	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
4,4'-DDE		**< 0.10**	0.10	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
4,4'-DDT		**< 0.020**	0.020	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
delta-BHC		**< 0.050**	0.050	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
Dieldrin		**< 0.020**	0.020	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
Endosulfan sulfate		**< 0.10**	0.10	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
Endrin		**< 0.020**	0.020	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
Endrin aldehyde		**< 0.10**	0.10	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
gamma-BHC		**< 0.050**	0.050	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
Heptachlor		**< 0.010**	0.010	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
Heptachlor epoxide		**< 0.010**	0.010	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
PCB 1016		**< 0.20**	0.20	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
PCB 1221		**< 0.20**	0.20	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
PCB 1232		**< 0.20**	0.20	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
PCB 1242		**< 0.20**	0.20	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
PCB 1248		**< 0.20**	0.20	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
PCB 1254		**< 0.20**	0.20	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
PCB 1260		**< 0.20**	0.20	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
Toxaphene		**< 0.30**	0.30	**ug/l**	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	
Surrogate: Decachlorobiphenyl (30.0-135%)		78.1		%	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	

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ANALYTICAL RESULTS

AIC No. 173011-1 (Continued)
Sample Identification: Outfall 010 - PPS 11/26/13 945 - 11/27/13 945am

Analyte		Result	RL	Units	Qualifier
Organochlorine Pesticides and PCBs By EPA 608 (Continued)					
Surrogate: Tetrachloro-m-xylene (25.0-140%)		63.6		%	
EPA 608	Prep: 27-Nov-2013 1630 by 301	Analyzed: 04-Dec-2013 1440 by 306		Batch: G9502	

AIC No. 173011-2
Sample Identification: Outfall 010 - PPS 11/27/13 945am

Analyte		Result	RL	Units	Qualifier
Total Recoverable Phenolics		< 5	5	ug/l	
EPA 420.1	Prep: 02-Dec-2013 0752 by 308	Analyzed: 02-Dec-2013 1430 by 308		Batch: W45812	
Total Cyanide		< 10	10	ug/l	
SM 4500-CN C,E 1999	Prep: 02-Dec-2013 0753 by 308	Analyzed: 02-Dec-2013 1115 by 308		Batch: W45813	
Volatile Organic Compounds By EPA 624					
Acrolein		< 50	50	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Acrylonitrile		< 20	20	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Benzene		< 10	10	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Bromoform		< 10	10	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Carbon tetrachloride		< 2.0	2.0	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Chlorobenzene		< 10	10	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Chlorodibromomethane		< 10	10	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Chloroethane		< 50	50	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
2-Chloroethyl vinyl ether		< 10	10	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Chloroform		< 10	10	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
1,2-Dichlorobenzene		< 10	10	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
1,3-Dichlorobenzene		< 10	10	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
1,4-Dichlorobenzene		< 10	10	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Dichlorobromomethane		< 10	10	ug/l	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	

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ANALYTICAL RESULTS

AIC No. 173011-2 (Continued)
Sample Identification: Outfall 010 - PPS 11/27/13 945am

Analyte		Result	RL	Units	Qualifier
Volatile Organic Compounds By EPA 624 (Continued)					
1,1-Dichloroethane		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
1,2-Dichloroethane		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
1,1-Dichloroethylene		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
trans-1,2-Dichloroethylene		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
1,2-Dichloropropane		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
1,3-Dichloropropylene		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Ethylbenzene		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Methyl bromide(Bromomethane)		**< 50**	50	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Methyl chloride(Chloromethane)		**< 50**	50	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Methylene chloride		**< 20**	20	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
1,1,2,2-Tetrachloroethane		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Tetrachloroethylene		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Toluene		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
1,1,1-Trichloroethane		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
1,1,2-Trichloroethane		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Trichloroethylene		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Vinyl chloride		**< 10**	10	**ug/l**	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Surrogate: 4-Bromofluorobenzene (75.0-120%)		100		%	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Surrogate: Dibromofluoromethane (85.0-115%)		88.8		%	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	
Surrogate: Toluene-D8 (85.0-120%)		102		%	
EPA 624	Prep: 27-Nov-2013 1100 by 301	Analyzed: 27-Nov-2013 1844 by 301		Batch: V8396	

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El Dorado Chemical Company
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DUPLICATE RESULTS

Analyte		AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
Volatile Organic Compounds									
Acrolein		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Acrylonitrile		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Benzene		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Bromodichloromethane		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Bromoform		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Bromomethane		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Carbon tetrachloride		172906-1	< 0.20 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.20 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Chlorobenzene		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Chloroethane		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
2-Chloroethyl vinyl ether		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	20.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Chloroform		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Chloromethane		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Dibromochloromethane		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
1,2-Dichlorobenzene		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
1,3-Dichlorobenzene		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
1,4-Dichlorobenzene		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
1,1-Dichloroethane		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
1,2-Dichloroethane		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
trans-1,2-Dichloroethene		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
1,1-Dichloroethylene		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
1,2-Dichloropropane		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
1,3-Dichloropropylene		172906-1	< 0.10 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.10 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Ethylbenzene		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D

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El Dorado Chemical Company
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DUPLICATE RESULTS

Analyte		AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
Methylene chloride		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
1,1,2,2-Tetrachloroethane		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Tetrachloroethylene		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Toluene		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
1,1,1-Trichloroethane		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
1,1,2-Trichloroethane		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Trichloroethylene		172906-1	< 0.50 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.50 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Vinyl chloride		172906-1	< 0.20 mg/l			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	< 0.20 mg/l	0.00	30.0	27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
4-Bromofluorobenzene (75.0-120%)		172906-1	100 %			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	97.0 %			27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Dibromofluoromethane (85.0-115%)		172906-1	87.8 %			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	88.0 %			27Nov13 1100 by 301	27Nov13 1705 by 301	100	D
Toluene-D8 (85.0-120%)		172906-1	103 %			27Nov13 1100 by 301	27Nov13 1631 by 301	100	D
	Batch: V8396	Duplicate	99.8 %			27Nov13 1100 by 301	27Nov13 1705 by 301	100	D

AMERICAN INTERPLEX CORPORATION
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El Dorado Chemical Company
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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Recoverable Phenolics	0.1 mg/l	90.4	85.0-115			W45812	02Dec13 0752 by 308	02Dec13 1430 by 308		
Chromium, Hexavalent	0.05 mg/l	110	80.0-120			W45822	02Dec13 1457 by 308	02Dec13 1530 by 308		
Total Cyanide	0.1 mg/l	89.9	85.0-115			W45813	02Dec13 0753 by 308	02Dec13 1113 by 308		
Mercury, low level	0.01 ug/l	103	76.0-113			S35887	03Dec13 0838 by 311	03Dec13 1143 by 311		
Total Recoverable Antimony	0.05 mg/l	101	85.0-115			S35875	02Dec13 0910 by 305	02Dec13 1232 by 305		
Total Recoverable Arsenic	0.05 mg/l	101	85.0-115			S35875	02Dec13 0910 by 305	02Dec13 1232 by 305		
Total Recoverable Beryllium	0.05 mg/l	98.2	85.0-115			S35875	02Dec13 0910 by 305	02Dec13 1232 by 305		
Total Recoverable Cadmium	0.05 mg/l	97.9	85.0-115			S35875	02Dec13 0910 by 305	02Dec13 1232 by 305		
Total Recoverable Chromium	0.05 mg/l	99.2	85.0-115			S35875	02Dec13 0910 by 305	02Dec13 1232 by 305		
Total Recoverable Copper	0.05 mg/l	99.8	85.0-115			S35875	02Dec13 0910 by 305	02Dec13 1232 by 305		
Total Recoverable Lead	0.05 mg/l	99.8	85.0-115			S35875	02Dec13 0910 by 305	02Dec13 1232 by 305		
Total Recoverable Nickel	0.05 mg/l	99.0	85.0-115			S35875	02Dec13 0910 by 305	02Dec13 1232 by 305		
Total Recoverable Selenium	0.05 mg/l	98.8	85.0-115			S35875	02Dec13 0910 by 305	02Dec13 1232 by 305		
Total Recoverable Silver	0.02 mg/l	97.9	85.0-115			S35875	02Dec13 0910 by 305	02Dec13 1232 by 305		
Total Recoverable Thallium	0.05 mg/l	100	85.0-115			S35875	02Dec13 0910 by 305	02Dec13 1232 by 305		
Total Recoverable Zinc	0.05 mg/l	100	85.0-115			S35875	02Dec13 0910 by 305	02Dec13 1232 by 305		
Base/Neutral and Acid Compounds										
Acenaphthene	40 ug/l	75.2	45.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Acenaphthylene	40 ug/l	75.8	50.0-105			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Anthracene	40 ug/l	76.5	55.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Benzidine	100 ug/l	21.2	0.00-66.3			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Benzo(a)anthracene	40 ug/l	82.5	55.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Benzo(a)pyrene	40 ug/l	98.5	55.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Benzo(g,h,i)perylene	40 ug/l	83.0	40.0-125			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Benzo(k)fluoranthene	40 ug/l	101	45.0-125			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
3,4-Benzofluoranthene	40 ug/l	111	45.0-120			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Bis(2-chloroethoxy)methane	40 ug/l	76.5	45.0-105			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Bis(2-chloroethyl)ether	40 ug/l	77.8	35.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Bis(2-chloroisopropyl)ether	40 ug/l	83.8	25.0-130			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Bis(2-ethylhexyl)phthalate	40 ug/l	87.5	40.0-125			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
4-Bromophenyl phenyl ether	40 ug/l	79.8	50.0-115			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Butylbenzyl phthalate	40 ug/l	89.8	45.0-115			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
2-Chloronaphthalene	40 ug/l	75.0	50.0-105			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
2-Chlorophenol	40 ug/l	76.2	35.0-105			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
4-Chlorophenyl phenyl ether	40 ug/l	76.5	50.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Chrysene	40 ug/l	77.0	55.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Di-n-butyl phthalate	40 ug/l	78.8	55.0-115			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Di-n-octyl phthalate	40 ug/l	124	35.0-135			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Dibenz(a,h)anthracene	40 ug/l	84.2	40.0-125			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
1,2-Dichlorobenzene	40 ug/l	67.0	35.0-100			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
1,3-Dichlorobenzene	40 ug/l	64.2	30.0-100			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		

AMERICAN INTERPLEX CORPORATION
LABORATORIES

El Dorado Chemical Company
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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds (Continued)										
1,4-Dichlorobenzene	40 ug/l	65.8	30.0-100			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
3,3'-Dichlorobenzidine	40 ug/l	66.2	20.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
2,4-Dichlorophenol	40 ug/l	74.2	50.0-105			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Diethyl phthalate	40 ug/l	78.0	40.0-120			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Dimethyl phthalate	40 ug/l	79.0	25.0-125			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
2,4-Dimethylphenol	40 ug/l	69.8	30.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
4,6-Dinitro-o-cresol	40 ug/l	45.8	40.0-130			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
2,4-Dinitrophenol	40 ug/l	21.0	15.0-140			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
2,4-Dinitrotoluene	40 ug/l	80.0	50.0-120			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
2,6-Dinitrotoluene	40 ug/l	80.5	50.0-115			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
1,2-Diphenylhydrazine	40 ug/l	77.0	55.0-115			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Fluorene	40 ug/l	75.5	50.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Hexachlorobenzene	40 ug/l	80.2	50.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Hexachlorobutadiene	40 ug/l	61.0	25.0-105			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Hexachlorocyclopentadiene	40 ug/l	63.0	22.8-104			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Hexachloroethane	40 ug/l	60.0	30.0-100			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Indeno(1,2,3-cd)pyrene	40 ug/l	80.5	45.0-125			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Isophorone	40 ug/l	73.8	50.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
n-Nitrosodi-n-propylamine	40 ug/l	79.8	35.0-130			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
n-Nitrosodimethylamine	40 ug/l	60.0	25.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
n-Nitrosodiphenylamine	40 ug/l	80.2	50.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Naphthalene	40 ug/l	72.0	40.0-100			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Nitrobenzene	40 ug/l	74.5	45.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
2-Nitrophenol	40 ug/l	74.8	40.0-115			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
4-Nitrophenol	40 ug/l	34.2	0.00-125			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
p-Chloro-m-cresol	40 ug/l	72.5	45.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Pentachlorophenol	40 ug/l	42.0	40.0-115			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Phenanthrene	40 ug/l	79.0	50.0-115			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Phenol	40 ug/l	46.8	0.00-115			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Pyrene	40 ug/l	88.8	50.0-130			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
1,2,4-Trichlorobenzene	40 ug/l	68.2	35.0-105			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
2,4,6-Trichlorophenol	40 ug/l	74.0	50.0-115			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Base/Neutral and Acid Compounds Surrogates:										
2-Fluorobiphenyl	40 ug/l	80.8	50.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
2-Fluorophenol	40 ug/l	64.5	20.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Nitrobenzene-D5	40 ug/l	81.8	40.0-110			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Terphenyl-D14	40 ug/l	96.0	50.0-135			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
2,4,6-Tribromophenol	40 ug/l	75.8	40.0-125			B8681	27Nov13 1512 by 301	27Nov13 2046 by 306		
Volatile Organic Compounds										
Acrolein	100 ug/l	83.1	34.0-150			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		

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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Volatile Organic Compounds (Continued)										
Acrylonitrile	100 ug/l	89.2	51.4-138			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Benzene	20 ug/l	101	80.0-120			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Bromodichloromethane	20 ug/l	93.4	75.0-120			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Bromoform	20 ug/l	84.6	70.0-130			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Bromomethane	20 ug/l	115	30.0-145			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Carbon tetrachloride	20 ug/l	93.9	65.0-140			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Chlorobenzene	20 ug/l	96.8	80.0-120			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Chloroethane	20 ug/l	101	60.0-135			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
2-Chloroethyl vinyl ether	40 ug/l	91.0	58.9-140			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Chloroform	20 ug/l	93.8	65.0-135			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Chloromethane	20 ug/l	121	40.0-125			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Dibromochloromethane	20 ug/l	85.0	60.0-135			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
1,2-Dichlorobenzene	20 ug/l	97.2	70.0-120			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
1,3-Dichlorobenzene	20 ug/l	95.6	75.0-125			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
1,4-Dichlorobenzene	20 ug/l	98.6	75.0-125			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
1,1-Dichloroethane	20 ug/l	104	70.0-135			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
1,2-Dichloroethane	20 ug/l	103	70.0-130			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
1,1-Dichloroethene	20 ug/l	105	70.0-130			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
trans-1,2-Dichloroethene	20 ug/l	109	60.0-140			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
1,2-Dichloropropane	20 ug/l	98.0	75.0-125			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
1,3-Dichloropropylene	20 ug/l	90.2	70.0-130			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Ethylbenzene	20 ug/l	105	75.0-125			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Methylene chloride	20 ug/l	101	55.0-140			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
1,1,2,2-Tetrachloroethane	20 ug/l	86.2	65.0-130			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Tetrachloroethene	20 ug/l	101	45.0-150			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Toluene	20 ug/l	95.8	75.0-120			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
1,1,1-Trichloroethane	20 ug/l	92.2	65.0-130			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
1,1,2-Trichloroethane	20 ug/l	91.8	75.0-125			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Trichloroethene	20 ug/l	103	70.0-125			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Vinyl chloride	20 ug/l	106	50.0-145			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Volatile Organic Compounds Surrogates:										
4-Bromofluorobenzene	50 ug/l	99.9	75.0-120			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Dibromofluoromethane	50 ug/l	96.3	85.0-115			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Toluene-D8	50 ug/l	99.2	85.0-120			V8396	27Nov13 1100 by 301	27Nov13 1129 by 301		
Organochlorine Pesticides and PCBs										
Aldrin	10 ug/l	82.8	25.0-140			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
alpha-BHC	10 ug/l	89.6	60.0-130			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
alpha-Endosulfan	10 ug/l	92.3	50.0-110			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
beta-BHC	10 ug/l	91.6	65.0-125			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		

AMERICAN INTERPLEX CORPORATION
LABORATORIES

El Dorado Chemical Company
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LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Organochlorine Pesticides and PCBs (Continued)										
beta-Endosulfan	10 ug/l	94.1	30.0-130			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
Chlorpyrifos	10 ug/l	96.6	66.9-131			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
4,4'-DDD	10 ug/l	94.3	25.0-150			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
4,4'-DDE	10 ug/l	94.2	35.0-140			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
4,4'-DDT	10 ug/l	96.7	45.0-140			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
delta-BHC	10 ug/l	92.4	45.0-135			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
Dieldrin	10 ug/l	93.1	60.0-130			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
Endosulfan sulfate	10 ug/l	92.1	55.0-135			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
Endrin	10 ug/l	95.8	55.0-135			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
Endrin aldehyde	10 ug/l	97.1	55.0-135			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
gamma-BHC	10 ug/l	91.5	25.0-135			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
Heptachlor	10 ug/l	86.9	40.0-130			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
Heptachlor epoxide	10 ug/l	94.3	60.0-130			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
Organochlorine Pesticides and PCBs Surrogates:										
Decachlorobiphenyl	20 ug/l	89.7	30.0-135			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		
Tetrachloro-m-xylene	20 ug/l	86.4	25.0-140			G9502	27Nov13 1630 by 301	04Dec13 1328 by 306		

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Recoverable Phenolics	173011-2	0.1 mg/l	88.9	80.0-120	W45812	02Dec13 0752 by 308	02Dec13 1430 by 308		
	173011-2	0.1 mg/l	92.6	80.0-120	W45812	02Dec13 0752 by 308	02Dec13 1430 by 308		
	Relative Percent Difference:		4.08	10.0	W45812				
Chromium, Hexavalent	173011-1	0.05 mg/l	107	76.5-146	W45822	02Dec13 1457 by 308	02Dec13 1530 by 308		
	173011-1	0.05 mg/l	108	76.5-146	W45822	02Dec13 1457 by 308	02Dec13 1530 by 308		
	Relative Percent Difference:		1.30	25.0	W45822				
Total Cyanide	173011-2	0.1 mg/l	94.9	75.0-125	W45813	02Dec13 0753 by 308	02Dec13 1117 by 308		
	173011-2	0.1 mg/l	91.6	75.0-125	W45813	02Dec13 0753 by 308	02Dec13 1119 by 308		
	Relative Percent Difference:		3.54	20.0	W45813				
Mercury, low level	172965-1	0.01 ug/l	110	63.0-111	S35887	03Dec13 0838 by 311	03Dec13 1148 by 311		
	172965-1	0.01 ug/l	108	63.0-111	S35887	03Dec13 0838 by 311	03Dec13 1153 by 311		
	Relative Percent Difference:		1.40	18.0	S35887				
Total Recoverable Antimony	173018-1	0.05 mg/l	123	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1237 by 305		
	173018-1	0.05 mg/l	124	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1242 by 305		
	Relative Percent Difference:		1.75	20.0	S35875				
Total Recoverable Arsenic	173018-1	0.05 mg/l	99.0	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1237 by 305		
	173018-1	0.05 mg/l	97.4	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1242 by 305		
	Relative Percent Difference:		1.57	20.0	S35875				
Total Recoverable Beryllium	173018-1	0.05 mg/l	101	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1237 by 305		
	173018-1	0.05 mg/l	101	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1242 by 305		
	Relative Percent Difference:		0.568	20.0	S35875				
Total Recoverable Cadmium	173018-1	0.05 mg/l	99.4	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1237 by 305		
	173018-1	0.05 mg/l	99.5	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1242 by 305		
	Relative Percent Difference:		0.196	20.0	S35875				
Total Recoverable Chromium	173018-1	0.05 mg/l	97.3	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1237 by 305		
	173018-1	0.05 mg/l	97.3	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1242 by 305		
	Relative Percent Difference:		0.0197	20.0	S35875				
Total Recoverable Copper	173018-1	0.05 mg/l	96.2	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1237 by 305		
	173018-1	0.05 mg/l	100	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1242 by 305		
	Relative Percent Difference:		3.78	20.0	S35875				
Total Recoverable Lead	173018-1	0.05 mg/l	107	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1237 by 305		
	173018-1	0.05 mg/l	107	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1242 by 305		
	Relative Percent Difference:		0.382	20.0	S35875				
Total Recoverable Nickel	173018-1	0.05 mg/l	99.7	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1237 by 305		
	173018-1	0.05 mg/l	103	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1242 by 305		
	Relative Percent Difference:		2.78	20.0	S35875				
Total Recoverable Selenium	173018-1	0.05 mg/l	99.3	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1237 by 305		
	173018-1	0.05 mg/l	99.5	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1242 by 305		
	Relative Percent Difference:		0.259	20.0	S35875				
Total Recoverable Silver	173018-1	0.02 mg/l	94.9	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1237 by 305		
	173018-1	0.02 mg/l	95.7	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1242 by 305		
	Relative Percent Difference:		0.787	20.0	S35875				
Total Recoverable Thallium	173018-1	0.05 mg/l	111	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1237 by 305		
	173018-1	0.05 mg/l	111	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1242 by 305		
	Relative Percent Difference:		0.340	20.0	S35875				
Total Recoverable Zinc	173018-1	0.05 mg/l	104	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1237 by 305		
	173018-1	0.05 mg/l	99.9	75.0-125	S35875	02Dec13 0910 by 305	02Dec13 1242 by 305		
	Relative Percent Difference:		2.89	20.0	S35875				

AMERICAN INTERPLEX CORPORATION
LABORATORIES

El Dorado Chemical Company
4500 North West Avenue
El Dorado, AR 71730

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds									
Acenaphthene	172906-1	40 ug/l	73.8	45.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	72.2	45.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		2.05	30.0	B8681				D
Acenaphthylene	172906-1	40 ug/l	73.5	50.0-105	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	73.8	50.0-105	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		0.340	30.0	B8681				D
Anthracene	172906-1	40 ug/l	78.0	55.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	78.5	55.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		0.639	30.0	B8681				D
Benzidine	172906-1	100 ug/l	19.1	0.00-26.6	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	100 ug/l	13.5	0.00-26.6	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		34.4	172	B8681				D
Benzo(a)anthracene	172906-1	40 ug/l	86.0	55.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	84.0	55.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		2.35	30.0	B8681				D
Benzo(a)pyrene	172906-1	40 ug/l	104	55.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	102	55.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		1.21	30.0	B8681				D
Benzo(g,h,i)perylene	172906-1	40 ug/l	89.8	40.0-125	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	89.0	40.0-125	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		0.839	30.0	B8681				D
Benzo(k)fluoranthene	172906-1	40 ug/l	109	45.0-125	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	101	45.0-125	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		7.37	30.0	B8681				D
3,4-Benzofluoranthene	172906-1	40 ug/l	120	45.0-120	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	113	45.0-120	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		5.81	30.0	B8681				D
Bis(2-chloroethoxy)methane	172906-1	40 ug/l	72.8	45.0-105	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	69.8	45.0-105	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		4.21	30.0	B8681				D
Bis(2-chloroethyl)ether	172906-1	40 ug/l	73.2	35.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	74.8	35.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		2.03	30.0	B8681				D
Bis(2-chloroisopropyl)ether	172906-1	40 ug/l	82.2	25.0-130	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	78.2	25.0-130	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		4.98	30.0	B8681				D
Bis(2-ethylhexyl)phthalate	172906-1	40 ug/l	97.5	40.0-125	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	93.5	40.0-125	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		4.19	30.0	B8681				D
4-Bromophenyl phenyl ether	172906-1	40 ug/l	81.5	50.0-115	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	80.5	50.0-115	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		1.23	30.0	B8681				D
Butylbenzyl phthalate	172906-1	40 ug/l	97.2	45.0-115	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	91.5	45.0-115	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		6.09	30.0	B8681				D
2-Chloronaphthalene	172906-1	40 ug/l	72.0	50.0-105	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	70.8	50.0-105	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		1.75	30.0	B8681				D

AMERICAN INTERPLEX CORPORATION
LABORATORIES

El Dorado Chemical Company
4500 North West Avenue
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MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
2-Chlorophenol	172906-1	40 ug/l	75.8	35.0-105	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	62.5	35.0-105	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		19.2	30.0	B8681				D
4-Chlorophenyl phenyl ether	172906-1	40 ug/l	76.8	50.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	76.0	50.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		0.982	30.0	B8681				D
Chrysene	172906-1	40 ug/l	80.8	55.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	78.0	55.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		3.46	30.0	B8681				D
Di-n-butyl phthalate	172906-1	40 ug/l	83.8	55.0-115	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	82.2	55.0-115	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		1.81	30.0	B8681				D
Di-n-octyl phthalate	172906-1	40 ug/l	132	35.0-135	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	120	35.0-135	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		9.92	30.0	B8681				D
Dibenz(a,h)anthracene	172906-1	40 ug/l	90.8	40.0-125	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	90.8	40.0-125	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		0.00	30.0	B8681				D
1,2-Dichlorobenzene	172906-1	40 ug/l	62.2	35.0-100	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	60.5	35.0-100	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		2.85	30.0	B8681				D
1,3-Dichlorobenzene	172906-1	40 ug/l	58.0	30.0-100	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	55.8	30.0-100	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		3.96	30.0	B8681				D
1,4-Dichlorobenzene	172906-1	40 ug/l	60.2	30.0-100	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	58.0	30.0-100	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		3.81	30.0	B8681				D
3,3'-Dichlorobenzidine	172906-1	40 ug/l	68.2	20.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	70.8	20.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		3.60	30.0	B8681				D
2,4-Dichlorophenol	172906-1	40 ug/l	78.2	50.0-105	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	76.5	50.0-105	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		2.26	30.0	B8681				D
Diethyl phthalate	172906-1	40 ug/l	80.2	40.0-120	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	78.5	40.0-120	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		2.20	30.0	B8681				D
Dimethyl phthalate	172906-1	40 ug/l	80.2	25.0-125	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	79.2	25.0-125	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		1.25	30.0	B8681				D
2,4-Dimethylphenol	172906-1	40 ug/l	72.2	30.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	74.8	30.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		3.40	30.0	B8681				D
4,6-Dinitro-o-cresol	172906-1	40 ug/l	58.0	40.0-130	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	48.2	40.0-130	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		18.4	30.0	B8681				D
2,4-Dinitrophenol	172906-1	40 ug/l	40.5	15.0-140	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	34.0	15.0-140	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		17.4	30.0	B8681				D
2,4-Dinitrotoluene	172906-1	40 ug/l	82.5	50.0-120	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	80.0	50.0-120	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		3.08	30.0	B8681				D

AMERICAN INTERPLEX CORPORATION
LABORATORIES

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4500 North West Avenue
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MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Base/Neutral and Acid Compounds (Continued)									
2,6-Dinitrotoluene	172906-1	40 ug/l	82.0	50.0-115	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	80.5	50.0-115	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		1.85	30.0	B8681				D
1,2-Diphenylhydrazine	172906-1	40 ug/l	79.0	55.0-115	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	80.0	55.0-115	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		1.26	30.0	B8681				D
Fluorene	172906-1	40 ug/l	76.2	50.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	76.2	50.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		0.00	30.0	B8681				D
Hexachlorobenzene	172906-1	40 ug/l	82.0	50.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	81.0	50.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		1.23	30.0	B8681				D
Hexachlorobutadiene	172906-1	40 ug/l	54.2	25.0-105	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	51.8	25.0-105	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		4.72	30.0	B8681				D
Hexachlorocyclopentadiene	172906-1	40 ug/l	50.5	16.8-108	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	30.0	16.8-108	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		50.9	41.5	B8681				DQ
Hexachloroethane	172906-1	40 ug/l	56.2	30.0-100	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	54.8	30.0-100	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		2.70	30.0	B8681				D
Indeno(1,2,3-cd)pyrene	172906-1	40 ug/l	87.8	45.0-125	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	88.2	45.0-125	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		0.568	30.0	B8681				D
Isophorone	172906-1	40 ug/l	69.8	50.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	68.0	50.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		2.54	30.0	B8681				D
n-Nitrosodi-n-propylamine	172906-1	40 ug/l	76.5	35.0-130	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	72.2	35.0-130	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		5.71	30.0	B8681				D
n-Nitrosodimethylamine	172906-1	40 ug/l	55.2	25.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	54.5	25.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		1.37	30.0	B8681				D
n-Nitrosodiphenylamine	172906-1	40 ug/l	83.0	50.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	83.2	50.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		0.301	30.0	B8681				D
Naphthalene	172906-1	40 ug/l	68.2	40.0-100	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	66.0	40.0-100	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		3.35	30.0	B8681				D
Nitrobenzene	172906-1	40 ug/l	70.5	45.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	67.8	45.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		3.98	30.0	B8681				D
2-Nitrophenol	172906-1	40 ug/l	71.0	40.0-115	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	65.8	40.0-115	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		7.68	30.0	B8681				D
4-Nitrophenol	172906-1	40 ug/l	35.2	0.00-125	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	29.8	0.00-125	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		16.9	30.0	B8681				D

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
p-Chloro-m-cresol	172906-1	40 ug/l	77.2	45.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	74.2	45.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		3.96	30.0	B8681				D
Pentachlorophenol	172906-1	40 ug/l	58.2	40.0-115	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	45.0	40.0-115	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		25.7	30.0	B8681				D
Phenanthrene	172906-1	40 ug/l	82.2	50.0-115	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	82.5	50.0-115	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		0.303	30.0	B8681				D
Phenol	172906-1	40 ug/l	52.0	0.00-115	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	56.8	0.00-115	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		8.74	30.0	B8681				D
Pyrene	172906-1	40 ug/l	93.8	50.0-130	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	89.0	50.0-130	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		5.20	30.0	B8681				D
1,2,4-Trichlorobenzene	172906-1	40 ug/l	61.2	35.0-105	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	58.5	35.0-105	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		4.59	30.0	B8681				D
2,4,6-Trichlorophenol	172906-1	40 ug/l	77.5	50.0-115	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306	10	D
	172906-1	40 ug/l	76.5	50.0-115	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306	10	D
	Relative Percent Difference:		1.30	30.0	B8681				D
Base/Neutral and Acid Compounds Surrogates:									
2-Fluorobiphenyl	172906-1	40 ug/l	75.5	50.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306		
	172906-1	40 ug/l	75.5	50.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306		
2-Fluorophenol	172906-1	40 ug/l	62.2	20.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306		
	172906-1	40 ug/l	35.0	20.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306		
Nitrobenzene-D5	172906-1	40 ug/l	74.5	40.0-110	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306		
	172906-1	40 ug/l	72.0	40.0-110	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306		
Terphenyl-D14	172906-1	40 ug/l	100	50.0-135	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306		
	172906-1	40 ug/l	96.5	50.0-135	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306		
2,4,6-Tribromophenol	172906-1	40 ug/l	83.8	40.0-125	B8681	27Nov13 1512 by 301	27Nov13 2118 by 306		
	172906-1	40 ug/l	75.2	40.0-125	B8681	27Nov13 1512 by 301	27Nov13 2151 by 306		
Volatile Organic Compounds									
Acrolein	172906-1	100 ug/l	86.6	33.7-160	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Acrylonitrile	172906-1	100 ug/l	93.0	32.4-149	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Benzene	172906-1	20 ug/l	95.1	80.0-120	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Bromodichloromethane	172906-1	20 ug/l	87.7	75.0-120	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Bromoform	172906-1	20 ug/l	83.4	70.0-130	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Bromomethane	172906-1	20 ug/l	112	30.0-145	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Carbon tetrachloride	172906-1	20 ug/l	103	65.0-140	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Chlorobenzene	172906-1	20 ug/l	97.0	80.0-120	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Chloroethane	172906-1	20 ug/l	91.4	60.0-135	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
2-Chloroethyl vinyl ether	172906-1	40 ug/l	86.9	23.1-160	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Chloroform	172906-1	20 ug/l	87.7	65.0-135	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Chloromethane	172906-1	20 ug/l	121	40.0-125	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Dibromochloromethane	172906-1	20 ug/l	88.1	60.0-135	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D

El Dorado Chemical Company
4500 North West Avenue
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MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Volatile Organic Compounds (Continued)									
1,2-Dichlorobenzene	172906-1	20 ug/l	93.6	70.0-120	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
1,3-Dichlorobenzene	172906-1	20 ug/l	95.0	75.0-125	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
1,4-Dichlorobenzene	172906-1	20 ug/l	93.7	75.0-125	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
1,1-Dichloroethane	172906-1	20 ug/l	102	70.0-135	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
1,2-Dichloroethane	172906-1	20 ug/l	97.5	70.0-130	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
1,1-Dichloroethene	172906-1	20 ug/l	101	70.0-130	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
trans-1,2-Dichloroethene	172906-1	20 ug/l	108	60.0-140	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
1,2-Dichloropropane	172906-1	20 ug/l	91.4	75.0-125	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
1,3-Dichloropropylene	172906-1	20 ug/l	85.4	70.0-130	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Ethylbenzene	172906-1	20 ug/l	102	75.0-125	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Methylene chloride	172906-1	20 ug/l	104	55.0-140	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
1,1,2,2-Tetrachloroethane	172906-1	20 ug/l	78.6	65.0-130	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Tetrachloroethene	172906-1	20 ug/l	97.0	45.0-150	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Toluene	172906-1	20 ug/l	89.7	75.0-120	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
1,1,1-Trichloroethane	172906-1	20 ug/l	79.2	65.0-130	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
1,1,2-Trichloroethane	172906-1	20 ug/l	87.8	75.0-125	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Trichloroethene	172906-1	20 ug/l	93.6	70.0-125	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Vinyl chloride	172906-1	20 ug/l	96.8	50.0-145	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Volatile Organic Compounds Surrogates:									
4-Bromofluorobenzene	172906-1	50 ug/l	103	75.0-120	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Dibromofluoromethane	172906-1	50 ug/l	93.8	85.0-115	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Toluene-D8	172906-1	50 ug/l	104	85.0-120	V8396	27Nov13 1100 by 301	27Nov13 1341 by 301	100	D
Organochlorine Pesticides and PCBs									
Aldrin	172952-1	10 ug/l	71.4	25.0-140	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	64.2	25.0-140	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		10.6	30.0	G9502				D
alpha-BHC	172952-1	10 ug/l	88.2	60.0-130	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	83.8	60.0-130	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		5.12	30.0	G9502				D
alpha-Endosulfan	172952-1	10 ug/l	87.9	50.0-110	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	82.3	50.0-110	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		6.58	30.0	G9502				D
beta-BHC	172952-1	10 ug/l	95.2	65.0-125	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	94.2	65.0-125	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		1.06	30.0	G9502				D
beta-Endosulfan	172952-1	10 ug/l	91.1	30.0-130	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	81.7	30.0-130	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		10.9	30.0	G9502				D
Chlorpyrifos	172952-1	10 ug/l	74.9	62.3-126	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	68.9	62.3-126	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		8.34	16.9	G9502				D
4,4'-DDD	172952-1	10 ug/l	101	25.0-150	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	93.8	25.0-150	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		7.29	30.0	G9502				D

AMERICAN INTERPLEX CORPORATION
LABORATORIES

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MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Organochlorine Pesticides and PCBs (Continued)									
4,4'-DDE	172952-1	10 ug/l	89.7	35.0-140	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	84.1	35.0-140	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		6.44	30.0	G9502				D
4,4'-DDT	172952-1	10 ug/l	87.9	45.0-140	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	79.6	45.0-140	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		9.91	30.0	G9502				D
delta-BHC	172952-1	10 ug/l	87.2	45.0-135	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	86.0	45.0-135	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		1.39	30.0	G9502				D
Dieldrin	172952-1	10 ug/l	96.7	60.0-130	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	88.0	60.0-130	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		9.42	30.0	G9502				D
Endosulfan sulfate	172952-1	10 ug/l	92.2	55.0-135	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	88.8	55.0-135	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		3.76	30.0	G9502				D
Endrin	172952-1	10 ug/l	92.4	55.0-135	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	82.6	55.0-135	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		11.2	30.0	G9502				D
Endrin aldehyde	172952-1	10 ug/l	29.9	55.0-135	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	DQ
	172952-1	10 ug/l	26.6	55.0-135	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	DQ
	Relative Percent Difference:		11.7	30.0	G9502				D
gamma-BHC	172952-1	10 ug/l	80.9	25.0-135	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	72.1	25.0-135	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		11.5	30.0	G9502				D
Heptachlor	172952-1	10 ug/l	79.2	40.0-130	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	69.7	40.0-130	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		12.8	30.0	G9502				D
Heptachlor epoxide	172952-1	10 ug/l	100	60.0-130	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306	10	D
	172952-1	10 ug/l	91.5	60.0-130	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306	10	D
	Relative Percent Difference:		9.38	30.0	G9502				D
Organochlorine Pesticides and PCBs Surrogates:									
Decachlorobiphenyl	172952-1	20 ug/l	103	30.0-135	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306		
	172952-1	20 ug/l	89.9	30.0-135	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306		
Tetrachloro-m-xylene	172952-1	20 ug/l	83.8	25.0-140	G9502	27Nov13 1630 by 301	04Dec13 1343 by 306		
	172952-1	20 ug/l	108	25.0-140	G9502	27Nov13 1630 by 301	04Dec13 1357 by 306		

AMERICAN INTERPLEX CORPORATION
LABORATORIES

El Dorado Chemical Company
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LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Total Recoverable Phenolics	< 0.005 mg/l	0.005	0.005	W45812-1	02Dec13 0752 by 308	02Dec13 1430 by 308	
Chromium, Hexavalent	< 0.007 mg/l	0.007	0.007	W45822-1	02Dec13 1457 by 308	02Dec13 1530 by 308	
Total Cyanide	< 0.01 mg/l	0.01	0.01	W45813-1	02Dec13 0753 by 308	02Dec13 1111 by 308	
Mercury, low level	< 0.0018 ug/l	0.0018	0.0050	S35887-1	03Dec13 0838 by 311	03Dec13 1138 by 311	
Total Recoverable Antimony	< 0.03 mg/l	0.03	0.03	S35875-1	02Dec13 0910 by 305	02Dec13 1226 by 305	
Total Recoverable Arsenic	< 0.0005 mg/l	0.0005	0.0005	S35875-1	02Dec13 0910 by 305	02Dec13 1226 by 305	
Total Recoverable Beryllium	< 0.0003 mg/l	0.0003	0.0003	S35875-1	02Dec13 0910 by 305	02Dec13 1226 by 305	
Total Recoverable Cadmium	< 0.0001 mg/l	0.0001	0.0001	S35875-1	02Dec13 0910 by 305	02Dec13 1226 by 305	
Total Recoverable Chromium	< 0.007 mg/l	0.007	0.007	S35875-1	02Dec13 0910 by 305	02Dec13 1226 by 305	
Total Recoverable Copper	< 0.0005 mg/l	0.0005	0.0005	S35875-1	02Dec13 0910 by 305	02Dec13 1226 by 305	
Total Recoverable Lead	< 0.0005 mg/l	0.0005	0.0005	S35875-1	02Dec13 0910 by 305	02Dec13 1226 by 305	
Total Recoverable Nickel	< 0.0005 mg/l	0.0005	0.0005	S35875-1	02Dec13 0910 by 305	02Dec13 1226 by 305	
Total Recoverable Selenium	< 0.002 mg/l	0.002	0.002	S35875-1	02Dec13 0910 by 305	02Dec13 1226 by 305	
Total Recoverable Silver	< 0.0002 mg/l	0.0002	0.0002	S35875-1	02Dec13 0910 by 305	02Dec13 1226 by 305	
Total Recoverable Thallium	< 0.0005 mg/l	0.0005	0.0005	S35875-1	02Dec13 0910 by 305	02Dec13 1226 by 305	
Total Recoverable Zinc	< 0.002 mg/l	0.002	0.002	S35875-1	02Dec13 0910 by 305	02Dec13 1226 by 305	
Base/Neutral and Acid Compounds							
Acenaphthene	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Acenaphthylene	< 1.1 ug/l	1.1	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Anthracene	< 1.1 ug/l	1.1	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Benzidine	< 13 ug/l	13	25	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Benzo(a)anthracene	< 1.1 ug/l	1.1	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Benzo(a)pyrene	< 0.78 ug/l	0.78	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Benzo(g,h,i)perylene	< 1.4 ug/l	1.4	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Benzo(k)fluoranthene	< 0.84 ug/l	0.84	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
3,4-Benzofluoranthene	< 0.75 ug/l	0.75	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Bis(2-chloroethoxy)methane	< 1.1 ug/l	1.1	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Bis(2-chloroethyl)ether	< 1.0 ug/l	1.0	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Bis(2-chloroisopropyl)ether	< 1.1 ug/l	1.1	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Bis(2-ethylhexyl)phthalate	< 2.5 ug/l	2.5	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
4-Bromophenyl phenyl ether	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Butylbenzyl phthalate	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
2-Chloronaphthalene	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
2-Chlorophenol	< 1.0 ug/l	1.0	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
4-Chlorophenyl phenyl ether	< 1.3 ug/l	1.3	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Chrysene	< 1.1 ug/l	1.1	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Di-n-butyl phthalate	< 1.7 ug/l	1.7	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Di-n-octyl phthalate	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Dibenz(a,h)anthracene	< 1.7 ug/l	1.7	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
3,3'-Dichlorobenzidine	< 3.5 ug/l	3.5	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
2,4-Dichlorophenol	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Diethyl phthalate	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Dimethyl phthalate	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
2,4-Dimethylphenol	< 0.99 ug/l	0.99	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
4,6-Dinitro-o-cresol	< 0.90 ug/l	0.90	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
2,4-Dinitrophenol	< 1.1 ug/l	1.1	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
2,4-Dinitrotoluene	< 1.5 ug/l	1.5	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
2,6-Dinitrotoluene	< 0.89 ug/l	0.89	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
1,2-Diphenylhydrazine	< 1.1 ug/l	1.1	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Fluorene	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	

AMERICAN INTERPLEX CORPORATION
LABORATORIES

El Dorado Chemical Company
4500 North West Avenue
El Dorado, AR 71730

LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Base/Neutral and Acid Compounds							
Hexachlorobenzene	< 1.1 ug/l	1.1	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Hexachlorobutadiene	< 1.5 ug/l	1.5	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Hexachlorocyclopentadiene	< 1.4 ug/l	1.4	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Hexachloroethane	< 1.5 ug/l	1.5	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Indeno(1,2,3-cd)pyrene	< 2.4 ug/l	2.4	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Isophorone	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
n-Nitrosodi-n-propylamine	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
n-Nitrosodimethylamine	< 0.73 ug/l	0.73	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
n-Nitrosodiphenylamine	< 1.3 ug/l	1.3	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	R
Naphthalene	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Nitrobenzene	< 0.97 ug/l	0.97	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
2-Nitrophenol	< 1.1 ug/l	1.1	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
4-Nitrophenol	< 1.3 ug/l	1.3	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
p-Chloro-m-cresol	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Pentachlorophenol	< 0.80 ug/l	0.80	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Phenanthrene	< 1.1 ug/l	1.1	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Phenol	< 0.48 ug/l	0.48	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Pyrene	< 1.5 ug/l	1.5	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
1,2,4-Trichlorobenzene	< 1.3 ug/l	1.3	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
2,4,6-Trichlorophenol	< 1.2 ug/l	1.2	5.0	B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Base/Neutral and Acid Compounds Surrogates:							
2-Fluorobiphenyl (50.0-110%)	68.2 %			B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
2-Fluorophenol (20.0-110%)	52.5 %			B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Nitrobenzene-D5 (40.0-110%)	70.0 %			B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Terphenyl-D14 (50.0-135%)	72.8 %			B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
2,4,6-Tribromophenol (40.0-125%)	54.8 %			B8681-1	27Nov13 1512 by 301	27Nov13 2013 by 306	
Volatile Organic Compounds							
Acrolein	< 2.5 ug/l	2.5	25	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Acrylonitrile	< 2.5 ug/l	2.5	25	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Benzene	< 0.20 ug/l	0.20	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Bromoform	< 0.50 ug/l	0.50	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Carbon tetrachloride	< 0.50 ug/l	0.50	2.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Chlorobenzene	< 0.20 ug/l	0.20	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Chlorodibromomethane	< 0.50 ug/l	0.50	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Chloroethane	< 1.0 ug/l	1.0	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
2-Chloroethyl vinyl ether	< 1.0 ug/l	1.0	10	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Chloroform	< 0.50 ug/l	0.50	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
1,2-Dichlorobenzene	< 0.50 ug/l	0.50	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
1,3-Dichlorobenzene	< 0.20 ug/l	0.20	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
1,4-Dichlorobenzene	< 0.50 ug/l	0.50	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Dichlorobromomethane	< 0.50 ug/l	0.50	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
1,1-Dichloroethane	< 0.50 ug/l	0.50	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
1,2-Dichloroethane	< 0.20 ug/l	0.20	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
1,1-Dichloroethylene	< 0.50 ug/l	0.50	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
trans-1,2-Dichloroethylene	< 0.50 ug/l	0.50	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
1,2-Dichloropropane	< 0.20 ug/l	0.20	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
1,3-Dichloropropylene	< 5.0 ug/l	5.0	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Ethylbenzene	< 0.20 ug/l	0.20	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Methyl bromide(Bromomethane)	< 1.0 ug/l	1.0	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	

AMERICAN INTERPLEX CORPORATION
LABORATORIES

El Dorado Chemical Company
4500 North West Avenue
El Dorado, AR 71730

LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Volatile Organic Compounds							
Methyl chloride(Chloromethane)	< 0.50 ug/l	0.50	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Methylene chloride	< 1.0 ug/l	1.0	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
1,1,2,2-Tetrachloroethane	< 0.50 ug/l	0.50	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Tetrachloroethylene	< 1.0 ug/l	1.0	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Toluene	< 0.20 ug/l	0.20	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
1,1,1-Trichloroethane	< 0.20 ug/l	0.20	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
1,1,2-Trichloroethane	< 0.50 ug/l	0.50	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Trichloroethylene	< 0.50 ug/l	0.50	5.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Vinyl chloride	< 0.50 ug/l	0.50	2.0	V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Volatile Organic Compounds Surrogates:							
4-Bromofluorobenzene (75.0-120%)	97.0 %			V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Dibromofluoromethane (85.0-115%)	87.9 %			V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Toluene-D8 (85.0-120%)	100 %			V8396-1	27Nov13 1100 by 301	27Nov13 1522 by 301	
Organochlorine Pesticides and PCBs							
Aldrin	< 0.0050 ug/l	0.0050	0.010	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
alpha-BHC	< 0.0050 ug/l	0.0050	0.020	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
alpha-Endosulfan	< 0.0050 ug/l	0.0050	0.010	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
beta-BHC	< 0.0050 ug/l	0.0050	0.020	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
beta-Endosulfan	< 0.0050 ug/l	0.0050	0.020	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
Chlordane	< 0.10 ug/l	0.10	0.10	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
Chlorpyrifos	< 0.0050 ug/l	0.0050	0.050	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
4,4'-DDD	< 0.0050 ug/l	0.0050	0.020	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
4,4'-DDE	< 0.0050 ug/l	0.0050	0.020	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
4,4'-DDT	< 0.0050 ug/l	0.0050	0.020	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
delta-BHC	< 0.0050 ug/l	0.0050	0.020	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
Dieldrin	< 0.0050 ug/l	0.0050	0.020	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
Endosulfan sulfate	< 0.0050 ug/l	0.0050	0.020	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
Endrin	< 0.0050 ug/l	0.0050	0.020	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
Endrin aldehyde	< 0.0050 ug/l	0.0050	0.020	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
gamma-BHC	< 0.0050 ug/l	0.0050	0.020	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
Heptachlor	< 0.0050 ug/l	0.0050	0.010	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
Heptachlor epoxide	< 0.0050 ug/l	0.0050	0.010	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
PCB 1016	< 0.20 ug/l	0.20	0.20	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
PCB 1221	< 0.20 ug/l	0.20	0.20	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
PCB 1232	< 0.20 ug/l	0.20	0.20	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
PCB 1242	< 0.20 ug/l	0.20	0.20	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
PCB 1248	< 0.20 ug/l	0.20	0.20	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
PCB 1254	< 0.20 ug/l	0.20	0.20	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
PCB 1260	< 0.20 ug/l	0.20	0.20	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
Toxaphene	< 0.20 ug/l	0.20	0.20	G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
Organochlorine Pesticides and PCBs Surrogates:							
Decachlorobiphenyl (30.0-135%)	101 %			G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	
Tetrachloro-m-xylene (25.0-140%)	98.9 %			G9502-1	27Nov13 1630 by 301	04Dec13 1313 by 306	

AMERICAN INTERPLEX CORPORATION
LABORATORIES

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: El Dorado Chemical Co.
Project Reference: Priority Pollutant Scan
Project Manager: Larken Pennington
Sampled By: Larken Pennington

PO No.

SAMPLE MATRIX

ANALYSES REQUESTED

AIC CONTROL NO: 17301
AIC PROPOSAL NO:
Carrier: Gold Star
Received Temperature C: 0.3°C

AIC No.	Sample Identification	Date/Time Collected	GRAB	COMP	WATER	SOIL	NO OF BOTTLES	PPS metals	CR 6	Anions LICS	Volatiles	Cyanide	TCDD	Remarks
1	outfall 010-PPS	11/26/13-11/27/13 9:45-9:45am		X	X		1	X						
1	outfall 010-PPS	11/26/13-11/27/13 9:45-9:45		X	X		1		X					
2	Outfall 010PPS	11/27/13 9:45am	X		X		1			X				
2	Outfall 010PPS	11/27/13 9:45am	X		X		3				X			
2	Outfall 010PPS	11/27/13 9:45am	X		X		1					X		
1	Outfall 010PPS	11/26/13-11/27/13		X	X		3						X	
														Field pH calibration
		Container Type						P	P	G	G&V	P	G	on _____ @ _____
		Preservative						N	A	S	H	B	NO	Buffer:

G = Glass P = Plastic V = VOA vials H = HCl to pH2 T = Sodium Thiosulfate
NO = none S = Sulfuric acid pH2 N = Nitric acid pH2 B = NaOH to pH12 Z = Zinc acetate A: $(NH_4)_2SO_4$, [illegible]

Turnaround Time Requested: (Please circle)
NORMAL or EXPEDITED IN ___ DAYS Need results by 12/5/13
Expedited results requested by: Larken Pennington
Who should AIC contact with questions:
Phone:_____Fax:
Report Attention to:_____
Report Address to:

Relinquished By:	Date/Time	Received By:	Date/Time
Larken Pennington	11/27/13 10:15 am		
Relinquished By:	Date/Time	Received in Lab By:	Date/Time
		Tonya Hylton	11-27-13 1320

Comments:

FORM 0060

AMERICAN INTERPLEX CORPORATION
LABORATORIES

8600 Kanis Road
Little Rock, AR 72204-2322
(501) 224-5060
FAX (501) 224-5072

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE OF

Client: El Dorado Chemical Co.
Project Reference: Priority Pollutant Scan
Project Manager: Larken Pennington
Sampled By: Larken Pennington

PO No.

AIC CONTROL NO: 173011
AIC PROPOSAL NO:
Carrier: Gold Star
Received on Ice (4°C)? YES 6.3°C NO

AIC No.	Sample Identification	Date/Time Collected	GRAB	COMP	SAMPLE MATRIX: WATER	SOIL	NO OF BOTTLES	ANALYSES REQUESTED: BNA 625	Pest	Remarks
1	Outfall 010-PPS	11/26/13 9:45 - 11/27/13 9:45		X	X		3	X		
1	Outfall 010-PPS	11/26/13 9:45 - 11/27/13 9:45		X	X		3		X	
		Container Type						G	G	
		Preservative						NO	NO	

Field pH calibration on _____ @ _____ Buffer:

G = Glass P = Plastic V = VOA vials H = HCl to pH2 T = Sodium Thiosulfate
NO = none S = Sulfuric acid pH2 N = Nitric acid pH2 B = NaOH to pH12 Z = Zinc acetate

Turnaround Time Requested: (Please circle) Need results by 12/5/13
NORMAL or EXPEDITED IN ____ DAYS
Expedited results requested by: Larken Pennington
Who should AIC contact with questions: _____
Phone: _____ Fax: _____
Report Attention to: _____
Report Address to:

Relinquished By:	Date/Time	Received By:	Date/Time
Larken Pennington	11/27/13 10:15am		
Relinquished By:	Date/Time	Received in Lab By:	Date/Time
		Lyza Hopton	11-27-13 1320

Comments:

5/01

FORM 0060

From: (870) 863-1125 Origin ID: ELDA
Larken Pennington
EL DORADO CHEMICAL COMPANY
4500 Northwest Ave.

El Dorado, AR 71730

FedEx Express

J13201306280326

Ship Date: 03JAN14
ActWgt: 1.0 LB
CAD: 5887030/INET3430

Delivery Address Bar Code

Ref #
Invoice #
PO #
Dept #

SHIP TO: (501) 682-0744 BILL SENDER
Amy Schlutterman
ADEQ - Water Division Enforcement
5301 Northshore Drive

NORTH LITTLE ROCK, AR 72118

MON - 06 JAN 10:30A
PRIORITY OVERNIGHT

TRK# 7975 4999 6431
8201

72118
AR-US
LIT

X2 LITA

51AG1/06EC/1A9E

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