



Pace Analytical Services, LLC

P.O. Box 907

Madisonville, KY 42431

270.821.7375

www.pacelabs.com

ATTN: David King
Kings Bottling
6311 Climax Rd
Orlando, KY 40460

Reported: 8/21/2024
Work Order: 4083640
Project Manager: Mark DeMoss
270-824-2201

This analytical report has been sent to the Kentucky Division of Water electronically or via express courier. We recommend that you contact the DOW to ensure delivery of your data.

KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH
SYNTHETIC ORGANIC CHEMICAL (SOC) ANALYSIS REPORT FORM
(Excluding Dioxin /2,3,7,8-TCDD)

SAMPLE CATEGORY = GE

This Section To Be Completed By Collector

PWS ID <u>KY1021014</u>	Plant ID <u>A</u>	Plant Name <u>KING BOTTLED WATER PLANT</u>	Location Code <u>TPA</u>
PWS Name <u>King Bottled Water Plant</u>	PWS Contact <u>David King</u>		
PWS Address <u>6311 Climax Rd, Orlando, KY 40460</u>	PWS Phone <u>(606) 256-4142</u>		
Sample Date <u>08082024</u> (MMDDYYYY)	Time <u>1130</u>	Sample Type <u>RT</u> <small>RT = Routine (For Compliance) SP = Special (Not for Compliance)</small>	Collector Name <u>Nicholas Banks</u>

This Section to Be Completed By Lab

Lab ID <u>00030</u>	Lab Sample Number <u>4083640-01RE1</u>	Lab Phone <u>(270) 821-7375</u>
Lab Analyst <u>Chelsey Dossett</u> Signature/Date	8/20/2024 4:57:00PM	Lab Supervisor <u>Mark Athan</u> 08/21/2024

Analyte Code	Analyte Name	Analysis Method Code	Result (mg/L)		Analysis Date
			<	-or- Lab Minimum Reporting Limit (mg/L)	
2051	Alachlor	714	<	0.0004	08202024
2047	Aldicarb	710	<	0.0010	08162024
2044	Aldicarb Sulfone	710	<	0.0010	08162024
2043	Aldicarb Sulfoxide	710	<	0.0010	08162024
2050	Atrazine	714	<	0.0002	08202024
2306	Benzo(a)pyrene (PHA)	714	<	0.00002	08202024
2046	Carbofuran	710	<	0.0010	08162024
2959	Chlordane	706	<	0.00036	08122024
2031	Dalapon	705	<	0.001000	08132024
2035	Di(2-ethylhexyl)adipate	714	<	0.0005	08202024
2039	Di(2-ethylhexyl)phthalate	714	<	0.001	08202024
2041	Dinoseb	705	<	0.000200	08132024
2033	Endothall	726	<	0.009	08122024
2005	Endrin	714	<	0.00004	08202024
2946	Ethylene Dibromide (EDB)	751	<	0.00002	08122024
2034	Glyphosate	724	<	0.005	08142024
2065	Heptachlor	714	<	0.00009	08202024
2067	Heptachlor Epoxide	714	<	0.00004	08202024
2274	Hexachlorobenzene (HCB)	714	<	0.0002	08202024
2042	Hexachlorocyclopentadinene (HEX)	714	<	0.0002	08202024
2010	Lindane (BHC GAMMA)	714	<	0.00004	08202024
2015	Methoxychlor	714	<	0.0002	08202024
2036	Oxamyl (Vydate)	710	<	0.0010	08162024
2383	PCB (Polychlorinated Biphenyls)	706	<	0.00006	08122024
2326	Pentachlorophenol	705	<	0.000040	08132024
2040	Picloram	705	<	0.000100	08132024
2037	Simazine	714	<	0.0002	08202024
2020	Toxaphene	706	<	0.00199	08122024
2931	1,2-Dibromo-3-Chloropropane (DBCP)	751	<	0.00002	08122024
2105	2,4-D	705	<	0.000100	08132024
2110	2,4,5-TP (Silvex)	705	<	0.000200	08132024

The signatories of this form certify by their signature that collection and analysis of the water sample analyzed and the resulting data hereby submitted, were completed in accordance with the provisions of 401 KAR Chapter 8; and that the data submitted on this form is a true and accurate report of the results of collection and analysis performed pursuant to the above-referenced regulations. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject a violator to prison.

Qualified Analytes

<u>Sample</u>	<u>Contaminant</u>	<u>Qualifiers</u>
4083640-01	1,2-Dibromo-3-Chloropropane (DBCP)	U
4083640-01	2,4,5-TP (Silvex)	U
4083640-01	2,4-D	U
4083640-01RE1	Alachlor	U
4083640-01RE1	Aldicarb	U
4083640-01RE1	Aldicarb Sulfone	U
4083640-01RE1	Aldicarb Sulfoxide	U
4083640-01RE1	Atrazine	U
4083640-01RE1	Benzo(a)pyrene (PHA)	U
4083640-01RE1	Carbofuran	U
4083640-01	Chlordane	U
4083640-01	Dalapon	U
4083640-01RE1	Di(2-ethylhexyl)adipate	U
4083640-01RE1	Di(2-ethylhexyl)phthalate	U
4083640-01	Dinoseb	U
4083640-01	Endothall	U
4083640-01RE1	Endrin	U
4083640-01	Ethylene Dibromide (EDB)	U
4083640-01	Glyphosate	U
4083640-01RE1	Heptachlor	U
4083640-01RE1	Heptachlor Epoxide	U
4083640-01RE1	Hexachlorobenzene (HCB)	U
4083640-01RE1	Hexachlorocyclopentadinene (HEX)	U
4083640-01RE1	Lindane (BHC_GAMMA)	U
4083640-01RE1	Methoxychlor	U
4083640-01RE1	Oxamyl (Vydate)	U
4083640-01	PCB (Polychlorinated Biphenyls)	U
4083640-01	PCB (Polychlorinated Biphenyls)	U
4083640-01	PCB (Polychlorinated Biphenyls)	U
4083640-01	PCB (Polychlorinated Biphenyls)	U
4083640-01	PCB (Polychlorinated Biphenyls)	U
4083640-01	PCB (Polychlorinated Biphenyls)	U
4083640-01	PCB (Polychlorinated Biphenyls)	U
4083640-01	PCB (Polychlorinated Biphenyls)	U
4083640-01	Pentachlorophenol	U
4083640-01	Picloram	U
4083640-01RE1	Simazine	U
4083640-01	Toxaphene	U

<u>Qualifier</u>	<u>Description</u>
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U	Target analyte was analyzed for, but was below detection limit (the value associated with the qualifier is the laboratory method detection limit in our LIMS system).
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Results relate only to the items tested.

Chain of Custody

Scheduled for: **08/05/2024**



Client: **Kings Bottling**

Report To:
Kings Bottling

Invoice To:
Kings Bottling

Project: **SOC**

David King
6311 Climax Rd
Orlando, KY 40460

Sandy Smith
6311 Climax Rd
Orlando, KY 40460

Phone: (606) 256-4142
PWS ID#: KY1021014
State: _____

PO#: _____
Quote# _____

Please Print Legibly

Collected by (Signature):

Compliance Monitoring? Yes ___ No ___

Samples Chlorinated? Yes ___ No ___

*For composite samples please indicate begin time, end time and temp(oC) at end time below:

Influent: Start Date _____ Start time _____ End Date _____ End Time _____ Temp (oC) _____

Effluent: Start Date _____ Start time _____ End Date _____ End Time _____ Temp (oC) _____

LAB USE ONLY Workorder # 4083640 Sample ID#	*required information* Date (mm/dd/yy):	Collection Time (24 hr):	Bottle and Preservative	Containers	Sample Description	Composite	Sample Analysis Requested
4083640-01 A	<u>8-8-24</u>	<u>1130</u>	AG 1L 525.3	1	TPA King Bottled Water Plant	<input checked="" type="checkbox"/>	SVOC 525.3
4083640-01 B			AG 1L 525.3	1	TPA King Bottled Water Plant	<input checked="" type="checkbox"/>	SVOC 525.3
4083640-01 C			AG 1L 525.3	1	TPA King Bottled Water Plant	<input checked="" type="checkbox"/>	SVOC 525.3
4083640-01 D			AG 1L 525.3	1	TPA King Bottled Water Plant	<input checked="" type="checkbox"/>	SVOC 525.3
4083640-01 E			AG 1L Na2S2O3 515	1	TPA King Bottled Water Plant	<input checked="" type="checkbox"/>	Herbicide 515.3

Preservation Check: Residual Cl: 22

Thermometer Serial Number
210029556
230806970
Temperature 2.0 °C

Preservation Check Performed by: pH Paper Lot #: _____

Field data collected by: _____ Date (mm/dd/yy) _____ Time (24 hr) _____

pH _____ Cond (umho) _____ Res Cl (mg/L) _____ Tot Cl (mg/L) _____ Free Cl (mg/L) _____

Temp (oC) _____ or (oF) _____ Static Water Level _____ DO (mg/L) _____ Turb. (NTU) _____

Flow: _____ MGD CFS g/min GPD

Relinquished by: (Signature) <u></u>	Received by: (Signature) <u></u>	Date (mm/dd/yy) <u>8-8-24</u>	Time (24 hr) <u>1400</u>
_____	_____	_____	_____
_____	_____	_____	_____

Chain of Custody

Scheduled for: 08/05/2024



Client: Kings Bottling

Report To:
Kings Bottling

Invoice To:
Kings Bottling

Project: SOC

David King
6311 Climax Rd
Orlando, KY 40460

Sandy Smith
6311 Climax Rd
Orlando, KY 40460

Phone: (606) 256-4142
PWS ID#: KY1021014
State: _____

PO#: _____
Quote# _____

Please Print Legibly

Collected by (Signature): *Michael King*

Compliance Monitoring? Yes ___ No ___

*For composite samples please indicate begin time, end time and temp(oC) at end time below:

Samples Chlorinated? Yes ___ No ___

Influent: Start Date _____ Start time _____ End Date _____ End Time _____ Temp (oC) _____

Effluent: Start Date _____ Start time _____ End Date _____ End Time _____ Temp (oC) _____

LAB USE ONLY	*required information*		Bottle and Preservative	Containers	Sample Description	Composite	Sample Analysis Requested
Workorder #	Date	Collection					
4083640	(mm/dd/yy):	Time (24 hr):					
Sample ID#							
4083640-01 F	8-8-24	1130	AG 1L Na2S2O3 548	1	TPA King Bottled Water Plant	g/c	Endothall 548.1
			Preservation Check: Residual Cl: <input checked="" type="checkbox"/>				
4083640-01 G			HDPE 500mL NA2S2O3 pH<2 w/H2SO4 549	1	TPA King Bottled Water Plant	g/c	Diquat 549.2
			Preservation Check: pH: <input checked="" type="checkbox"/>				
4083640-01 H			HDPE 500mL NA2S2O3 pH<2 w/H2SO4 549	1	TPA King Bottled Water Plant	g/c	Diquat 549.2
			Preservation Check: pH: <input checked="" type="checkbox"/>				
4083640-01 I			VOA Vial Amber 25mg Asc Acid 200 mg Maleic Acid	1	TPA King Bottled Water Plant	g/c	EDB DBCP 524.3
4083640-01 J			VOA Vial Amber 25mg Asc Acid 200 mg Maleic Acid	1	TPA King Bottled Water Plant	g/c	EDB DBCP 524.3
4083640-01 K			VOA Vial Amber 25mg Asc Acid 200 mg Maleic Acid	1	TPA King Bottled Water Plant	g/c	EDB DBCP 524.3
4083640-01 L			VOA Vial Amber 40mL MCAA Na2S2O3 531	1	TPA King Bottled Water Plant	g/c	Carbamates 531.1
			Preservation Check: Residual Cl: <input checked="" type="checkbox"/>				

Preservation Check Performed by: *Michael King* pH Paper Lot #: 4025116

Field data collected by: _____ Date (mm/dd/yy) _____ Time (24 hr) _____

pH _____ Cond (umho) _____ Res Cl (mg/L) _____ Tot Cl (mg/L) _____ Free Cl (mg/L) _____

Temp (oC) _____ or (oF) _____ Static Water Level _____ DO (mg/L) _____ Turb. (NTU) _____

Flow: MGD CFS g/min GPD

Relinquished by: (Signature) <u><i>Michael King</i></u>	Received by: (Signature) <u><i>3 Freeman</i></u>	Date (mm/dd/yy) <u>8-8-24</u>	Time (24 hr) <u>1400</u>
_____	_____	_____	_____
_____	_____	_____	_____

Chain of Custody

Scheduled for: 08/05/2024



Client: Kings Bottling

Report To:
Kings Bottling

Invoice To:
Kings Bottling

Project: SOC

David King
6311 Climax Rd
Orlando, KY 40460

Sandy Smith
6311 Climax Rd
Orlando, KY 40460

Phone: (606) 256-4142
PWS ID#: KY1021014
State: _____

PO#: _____
Quote# _____

Please Print Legibly

Collected by (Signature):

Compliance Monitoring? Yes ___ No ___

*For composite samples please indicate begin time, end time and temp(oC) at end time below:

Samples Chlorinated? Yes ___ No ___

Influent: Start Date _____ Start time _____ End Date _____ End Time _____ Temp (oC) _____

Effluent: Start Date _____ Start time _____ End Date _____ End Time _____ Temp (oC) _____

LAB USE ONLY	*required information*		Bottle and Preservative	Containers	Sample Description	Composite	Sample Analysis Requested
Workorder #	Date	Collection					
4083640	(mm/dd/yy):	Time (24 hr):					
4083640-01 M	8-8-24	1130	VOA Vial Amber 40mL MCAA Na2S2O3 531	1	TPA King Bottled Water Plant	g/c	Carbamates 531.1
			Preservation Check: Residual Cl: <u> </u>				
4083640-01 N			VOA Vial Amber 40mL Na2S2O3	1	TPA King Bottled Water Plant	g/c	PCB and/or Pesticide 505
			Preservation Check: Residual Cl: <u> </u>				
4083640-01 O			VOA Vial Amber 40mL Na2S2O3	1	TPA King Bottled Water Plant	g/c	PCB and/or Pesticide 505
			Preservation Check: Residual Cl: <u> </u>				
4083640-01 P			VOA Vial Amber 40mL Na2S2O3	1	TPA King Bottled Water Plant	g/c	PCB and/or Pesticide 505
			Preservation Check: Residual Cl: <u> </u>				
4083640-01 Q			VOA Vial Amber 40mL Na2S2O3	1	TPA King Bottled Water Plant	g/c	PCB and/or Pesticide 505
			Preservation Check: Residual Cl: <u> </u>				
4083640-01 R			VOA Vial Amber 40mL Na2S2O3	1	TPA King Bottled Water Plant	g/c	PCB and/or Pesticide 505
			Preservation Check: Residual Cl: <u> </u>				

Preservation Check Performed by: pH Paper Lot #: 4625016

Field data collected by: _____ Date (mm/dd/yy) _____ Time (24 hr) _____

pH _____ Cond (umho) _____ Res Cl (mg/L) _____ Tot Cl (mg/L) _____ Free Cl (mg/L) _____

Temp (oC) _____ or (oF) _____ Static Water Level _____ DO (mg/L) _____ Turb. (NTU) _____

Flow: _____ MGD CFS g/min GPD

Relinquished by (Signature): <u></u>	Received by (Signature): <u></u>	Date (mm/dd/yy): <u>8-8-24</u>	Time (24 hr): <u>1400</u>
_____	_____	_____	_____
_____	_____	_____	_____

Chain of Custody

Scheduled for: **08/05/2024**



Client: **Kings Bottling**

Report To:
Kings Bottling

Invoice To:
Kings Bottling

Project: **SOC**

David King
6311 Climax Rd
Orlando, KY 40460

Sandy Smith
6311 Climax Rd
Orlando, KY 40460

Phone: (606) 256-4142

PWS ID#: **KY1021014**

PO#: _____

State: _____

Quote# _____

Please Print Legibly

Collected by (Signature):

Compliance Monitoring? Yes ___ No ___

*For composite samples please indicate begin time, end time and temp(oC) at end time below:

Samples Chlorinated? Yes ___ No ___

Influent: Start Date _____ Start time _____ End Date _____ End Time _____ Temp (oC) _____

Effluent: Start Date _____ Start time _____ End Date _____ End Time _____ Temp (oC) _____

LAB USE ONLY	*required information*		Bottle and Preservative	Containers	Sample Description	Composite	Sample Analysis Requested
Workorder #	Date	Collection					
Sample ID#	(mm/dd/yy):	Time (24 hr):					
4083640-01 S	8-8-24	1130	VOA Vial Amber 40mL Na2S2O3 547	1	TPA King Bottled Water Plant	g/c	Glyphosate 547
			Preservation Check: Residual Cl: <u>✓</u>				
4083640-01 T			VOA Vial Amber 40mL Na2S2O3 547	1	TPA King Bottled Water Plant	g/c	Glyphosate 547
			Preservation Check: Residual Cl: <u>✓</u>				
4083640-02 A			VOA Vial Amber 25mg Asc Acid 200 mg Maleic Acid	1	Field Reagent Blank	g/c	EDB DBCP 524.3 Field Blank
4083640-02 B			VOA Vial Amber 25mg Asc Acid 200 mg Maleic Acid	1	Field Reagent Blank	g/c	EDB DBCP 524.3 Field Blank

Preservation Check Performed by:

pH Paper Lot #: **4025116**

Field data collected by: _____ Date (mm/dd/yy) _____ Time (24 hr) _____

pH _____ Cond (umho) _____ Res Cl (mg/L) _____ Tot Cl (mg/L) _____ Free Cl (mg/L) _____

Temp (oC) _____ or (oF) _____ Static Water Level _____ DO (mg/L) _____ Turb. (NTU) _____

Flow: _____ MGD CFS g/min GPD

Relinquished by (Signature): <u></u>	Received by (Signature): <u></u>	Date (mm/dd/yy): 8-8-24	Time (24 hr): 1400
_____	_____	_____	_____
_____	_____	_____	_____