

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

1/27/2014

	Volume of Sample Diluted to 200mL																			
	200mL																			
Sample	MK	BR	MS	KQ	DN															
Blank (DI Water)	-	-	-	-	-															
Clearwell Effluent	-	-	-	-	-															
Splitter Box Effluent	-	-	-	-	-															

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

1/28/2014

Sample	Volume of Sample Diluted to 200mL																			
	200mL					100mL					50mL									
	MK	BR	MS	YH	KQ	MK	BR	MS	YH	KQ	MK	BR	MS	YH	KQ					
Blank (DI Water)	-	-	-	-	-															
Clearwell Effluent	-	-	-	-	-															
Splitter Box Effluent	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	4

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

1/29/2014

Sample	Volume of Sample Diluted to 200mL														
	200mL					100mL									
	MK	BR	MS	YH	KQ	MK	BR	MS	YH	KQ					
Blank (DI Water)	-	-	-	-	-										
Clearwell Effluent	-	-	-	-	-										
Splitter Box Effluent	+	+	+	+	+	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	2

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

1/30/2014

Sample	Volume of Sample Diluted to 200mL																			
	200mL					100mL														
	MK	BR	MS	DN	KQ															
Blank (DI Water)	-	-	-	-	-															
Clearwell Effluent	-	-	-	-	-															
Splitter Box Effluent	-	-	-	-	-															

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

1/31/2014

Sample	Volume of Sample Diluted to 200mL														
	200mL					140mL									
	MK	BR	MS	DN	KQ	MK	BR	MS	DN	KQ					
Blank (DI Water)	-	-	-	-	-										
Clearwell Effluent	-	-	-	-	-										
Splitter Box Effluent	+	+	+	+	+	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	1.4

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/1/2014

Sample	Volume of Sample Diluted to 200mL																			
	200mL					100mL					50mL									
	MK	BR	MS	DN	KQ	MK	BR	MS	DN	KQ	MK	BR	MS	DN	KQ					
Blank (DI Water)	-	-	-	-	-															
Clearwell Effluent	-	-	-	-	-															
Splitter Box Effluent	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	4

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/2/2014

Sample	Volume of Sample Diluted to 200mL									
	200mL					100mL				
	BR	MK	MS	TW	NM	BR	MK	MS	TW	NM
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	+	+	+	+	+	-	-	-	-	-

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	2

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/3/2014

Sample	Volume of Sample Diluted to 200mL									
	200mL					140mL				
	BR	MK	MS	DN	SF	BR	MK	MS	DN	SF
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	+	+	+	+	+	-	-	-	-	-

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	1.4

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/4/2014

Sample	Volume of Sample Diluted to 200mL									
	200mL					140mL				
	BR	MK	MS	DN	SF	BR	MK	MS	DN	SF
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	-	+	-	-	+	-	-	-	-	-

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	1.4

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/5/2014

	Volume of Sample Diluted to 200mL									
	200mL									
Sample	BR	MK	MS	DN	SF					
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis 2/6/2014

Sample	Volume of Sample Diluted to 200mL									
	200mL					140mL				
	BR	MK	MS	DN	SF	BR	MK	MS	DN	SF
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	+	+	+	-	+	-	-	-	-	-

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	1.4

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/7/2014

Sample	Volume of Sample Diluted to 200mL									
	200mL									
	BR	MK	MS	DN	SF					
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/8/2014

	Volume of Sample Diluted to 200mL									
	200mL									
Sample	BR	MK	TY	ID	RG					
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/9/2014

Sample	Volume of Sample Diluted to 200mL														
	200mL					100mL					50mL				
	MK	NM	RG			MK	NM	RG			MK	NM	RG		
Blank (DI Water)	-	-	-												
Clearwell Effluent	-	-	-												
Splitter Box Effluent	+	+	+			+	+	+			-	-	-		

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	4

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/10/2014

	Volume of Sample Diluted to 200mL									
	200mL									
Sample	MK	BR	MS	DN	SF					
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/11/2014

Sample	Volume of Sample Diluted to 200mL									
	200mL									
	MK	BR	MS	DN	MM					
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/12/2014

Sample	Volume of Sample Diluted to 200mL									
	200mL					140mL				
	MK	BR	MS	DN	BL	MK	BR	MS	DN	BL
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	+	+	+	+	+	-	-	-	-	-

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	1.4

City of Wichita Falls Water Purification Laboratory

**Threshold Odor Analysis
2/13/2014**

Sample	Volume of Sample Diluted to 200mL														
	200mL					100mL					50mL				
	MK	MS	SF	BR	DN	MK	MS	SF	BR	DN	MK	MS	SF	BR	DN
Blank (DI Water)	-	-	-	-	-										
Clearwell Effluent	-	-	-	-	-										
Splitter Box Effluent	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	4

City of Wichita Falls Water Purification Laboratory

**Threshold Odor Analysis
2/14/2014**

Sample	Volume of Sample Diluted to 200mL									
	200mL									
	MK	MS	SF	BR	DN					
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/15/2014

	Volume of Sample Diluted to 200mL									
	200mL									
Sample	MK	BR	DN	NM	MS					
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

City of Wichita Falls Water Purification Laboratory

**Threshold Odor Analysis
2/16/2014**

	Volume of Sample Diluted to 200mL									
	200mL									
Sample	MK	BR	DN	CP	DG					
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

City of Wichita Falls Water Purification Laboratory

**Threshold Odor Analysis
2/17/2014**

	Volume of Sample Diluted to 200mL									
	200mL									
Sample	MK	BR	DN	CP	DG					
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/18/2014

	Volume of Sample Diluted to 200mL									
	200mL									
Sample	MK	BR								
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No order observed
Clearwell Effluent	No order observed
Splitter Box Effluent	No order observed

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/19/2014

Sample	Volume of Sample Diluted to 200mL									
	200mL									
	MK	BR	MS	SF	KQ					
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No order observed
Clearwell Effluent	No order observed
Splitter Box Effluent	No order observed

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/20/2014

	Volume of Sample Diluted to 200mL									
	200mL									
Sample	MK	DN	SF	MS	SF					
Blank (DI Water)	-	-	-	-	-					
Clearwell Effluent	-	-	-	-	-					
Splitter Box Effluent	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No order observed
Clearwell Effluent	No order observed
Splitter Box Effluent	No order observed

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/21/2014

Sample	Volume of Sample Diluted to 200mL														
	200mL					100mL					50mL				
	MK	DN	BR	MS	TW	MK	DN	BR	MS	TW	MK	DN	BR	MS	TW
Blank (DI Water)	-	-	-	-	-										
Clearwell Effluent	-	-	-	-	-										
Splitter Box Effluent	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-

Sample	TON
Blank (DI Water)	No order observed
Clearwell Effluent	No order observed
Splitter Box Effluent	4

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/22/2014

Sample	Volume of Sample Diluted to 200mL														
	200mL														
	MK	DN	MS												
Blank (DI Water)	-	-	-	-	-										
Clearwell Effluent	-	-	-	-	-										
Splitter Box Effluent	-	-	-	-	-										

Sample	TON
Blank (DI Water)	No observed odor
Clearwell Effluent	No observed odor
Splitter Box Effluent	No observed odor

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

Date: 2/23/14

	Volume of Sample Diluted to 200mL																			
	200mL																			
Sample	BR	MK	NM	PB																
Blank (DI Water)	-	-	-	-																
Clearwell Effluent	-	-	-	-																
Splitter Box Effluent	-	-	-	-																

Sample	TON
Blank (DI Water)	No observed odor
Clearwell Effluent	No observed odor
Splitter Box Effluent	No observed odor

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

Date: 2/24/14

Sample	Volume of Sample Diluted to 200mL																			
	200mL																			
	BR	MK	DN	MS	DG															
Blank (DI Water)	-	-	-	-	-															
Clearwell Effluent	-	-	-	-	-															
Splitter Box Effluent	-	-	-	+	-															

Sample	TON
Blank (DI Water)	No observed odor
Clearwell Effluent	No observed odor
Splitter Box Effluent	No observed odor

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/25/2014

Sample	Volume of Sample Diluted to 200mL																			
	200mL																			
	MK	MS	SF	JA	ID															
Blank (DI Water)	-	-	-	-	-															
Clearwell Effluent	-	-	-	-	-															
Splitter Box Effluent	-	-	-	-	-															

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/26/2014

Sample	Volume of Sample Diluted to 200mL																			
	200mL																			
	MK	BR	DN	KQ	CP															
Blank (DI Water)	-	-	-	-	-															
Clearwell Effluent	-	-	-	-	-															
Splitter Box Effluent	-	-	-	-	-															

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/27/2014

	Volume of Sample Diluted to 200mL																		
	200mL																		
Sample	MK	BR	KQ	MS	SF														
Blank (DI Water)	-	-	-	-	-														
Clearwell Effluent	-	-	-	-	-														
Splitter Box Effluent	-	-	-	-	-														

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

2/28/2014

	Volume of Sample Diluted to 200mL																			
	200mL																			
Sample	MK	BR	MS	SF	PB															
Blank (DI Water)	-	-	-	-	-															
Clearwell Effluent	-	-	-	-	-															
Splitter Box Effluent	-	-	-	-	-															

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

3/1/2014

Sample	Volume of Sample Diluted to 200mL																			
	200mL																			
	MK	BR	TW	CP																
Blank (DI Water)	-	-	-	-																
Clearwell Effluent	-	-	-	-																
Splitter Box Effluent	-	-	-	-																

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

3/2/2014

Sample	Volume of Sample Diluted to 200mL																			
	200mL																			
	MK	BR	SF	MS																
Blank (DI Water)	-	-	-	-																
Clearwell Effluent	-	-	-	-																
Splitter Box Effluent	-	-	-	-																

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

3/3/2014

	Volume of Sample Diluted to 200mL																			
	200mL																			
Sample	MK	BR	DN																	
Blank (DI Water)	-	-	-																	
Clearwell Effluent	-	-	-																	
Splitter Box Effluent	-	-	-																	

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

3/4/2014

Sample	Volume of Sample Diluted to 200mL																			
	200mL																			
	MK	BR	BL	DN	MS															
Blank (DI Water)	-	-	-	-	-															
Clearwell Effluent	-	-	-	-	-															
Splitter Box Effluent	-	-	-	-	-															

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

3/5/2014

Sample	Volume of Sample Diluted to 200mL																			
	200mL																			
	MK	MS	MM	BR	DN															
Blank (DI Water)	-	-	-	-	-															
Clearwell Effluent	-	-	-	-	-															
Splitter Box Effluent	-	-	-	-	-															

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	No Odor Observed

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

3/6/2014

Sample	Volume of Sample Diluted to 200mL														
	200mL					100mL									
	MK	KQ	BR	MS	DN	MK	KQ	BR	MS	DN					
Blank (DI Water)	-	-	-	-	-										
Clearwell Effluent	-	-	-	-	-										
Splitter Box Effluent	+	+	+	+	-	-	-	left	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	2

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

3/7/2014

Sample	Volume of Sample Diluted to 200mL																			
	200mL					100mL														
	MK	BR	MS	DN		MK	BR	MS	DN											
Blank (DI Water)	-	-	-	-																
Clearwell Effluent	-	-	-	-																
Splitter Box Effluent	-	+	+	-		-	-	-	-											

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	2

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

3/8/2014

Sample	Volume of Sample Diluted to 200mL																			
	200mL					100mL														
	MK	BR	SF	DN		MK	BR	SF	DN											
Blank (DI Water)	-	-	-	-																
Clearwell Effluent	-	-	-	-																
Splitter Box Effluent	-	+	+	-		-	-	left	-											

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	2

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

3/9/2014

Sample	Volume of Sample Diluted to 200mL																			
	200mL					100mL														
	MK	BR	DG	NM		MK	BR	DG	NM											
Blank (DI Water)	-	-	-	-																
Clearwell Effluent	-	-	-	-																
Splitter Box Effluent	-	+	+	+		-	-	-	-											

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	2

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

3/10/2014

Sample	Volume of Sample Diluted to 200mL																			
	200mL					100mL														
	MK	BR	MS	SF	DN	MK	BR	MS	SF	DN										
Blank (DI Water)	-	-	-	-	-															
Clearwell Effluent	-	-	-	-	-															
Splitter Box Effluent	+	+	+	+	+	-	-	-	-	-										

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	2

(-) Signifies negative response

(+) Signifies positive response

City of Wichita Falls Water Purification Laboratory

Threshold Odor Analysis

3/11/2014

Sample	Volume of Sample Diluted to 200mL														
	200mL					100mL									
	MK	BR	MS	SF	PB	MK	BR	MS	SF	PB					
Blank (DI Water)	-	-	-	-											
Clearwell Effluent	-	-	-	-											
Splitter Box Effluent	+	+	+	+	+	-	-	-	-	-					

Sample	TON
Blank (DI Water)	No Odor Observed
Clearwell Effluent	No Odor Observed
Splitter Box Effluent	2

(-) Signifies negative response

(+) Signifies positive response