

*Texas Registered Engineering Firm F-2393
Texas Board of Professional Geoscientist Firm 50036*

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1. CURRENT STATUS SUMMARY

As required in Title 40, Code of Federal Regulations, §257.90, this section provides an overview of the current status of the groundwater monitoring and corrective action program for the Sludge Recycle Holding (SRH) Pond.

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TOC Elevation 498.63 TOC Elevation 496.92 TOC Elevation 493.15 TOC Elevation

12/6/16 to 2/21/17 to 3/28/17 to 5/2/17 to 6/20/17 to 7/25/17 to 8/29/17 to 10/10/17 to 4/4/18 to 10/30/18 to 4/9/19 to 10/22/19 to
12/8/16 2/23/17 3/30/17 5/4/17 6/21/17 7/26/17 8/30/17 10/11/17 4/5/18 10/31/18 4/10/19 10/23/19

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
SRH Pond

Constituents	Unit
Appendix III - Detection Monitoring	
Boron	mg/L
Calcium	mg/L
Chloride	mg/L
Fluoride	mg/L
Sulfate	mg/L
pH - Field Collected	SU

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Appendix III - Detection Monitoring	
Boron	mg/L
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Fluoride	mg/L
Sulfate	mg/L
pH - Field Collected	SU
Total dissolved solids	mg/L
Appendix IV - Assessment Monitoring	
Antimony	mg/L
Arsenic	mg/L
Barium	mg/L
Beryllium	mg/L
Cadmium	mg/L
Chromium	mg/L

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Analyte	N	Num Detects	Percent Detect	DF	KW Statistic	p-value	Conclusion	UPL Type
Boron	28	28	100.00%	1	20.3	<0.001	Significant Difference	Intrawell
Calcium	28	28	100.00%	1	19.5	<0.001	Significant Difference	Intrawell
Chloride	28	28	100.00%	1	0.256	0.613	No Significant Difference	Interwell
Fluoride	28	26	92.86%	1	19.9	<0.001	Significant Difference	Intrawell
pH	28	28	100.00%	1	12.7	<0.001	Significant Difference	Intrawell
Sulfate	28	28	100.00%	1	19.9	<0.001	Significant Difference	Intrawell
Total dissolved solids	28	28	100.00%	1	9.64	0.00191	Significant Difference	Intrawell

NOTES:

Non-detects were substituted with a value of half the detection limit for calculations

N: number of data points

DF: degrees of freedom

statistic: Kruskal Wallis test statistic

p-value: P-values equal or above 0.05 indicate that the median concentrations in the upgradient wells are not significantly dif

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Analyte	Well	Units	N	Num Detects	Percent Detect	Min ND	Max ND	Min Detect	Median	Mean	Max Detect	SD	CV	Distribution
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Analyte

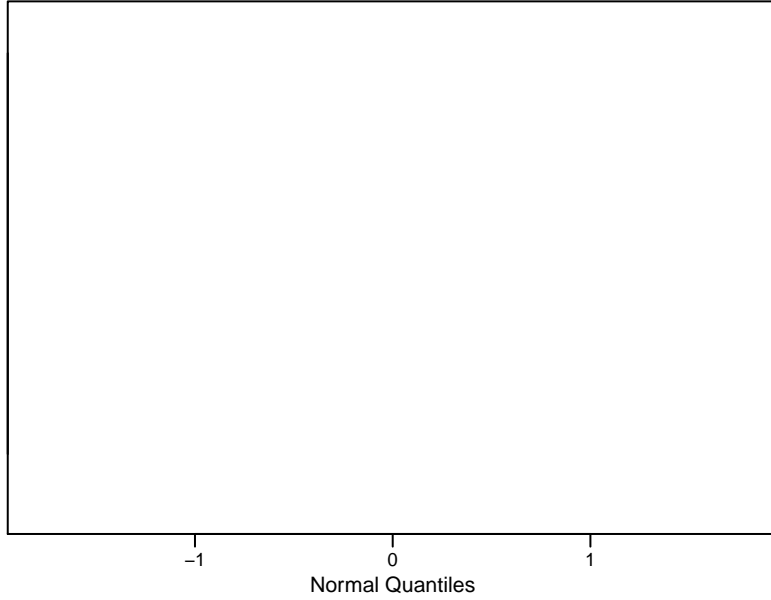
Analyte	UPL Type	Trend	Well	N	Num Detects	Percent
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Appendix B – Figure 2
Unit: SRH Pond
QQ Plots of Upgradient Wells

Analyte: Boron
Wells: JKS-49

Intrawell Analysis
Normal Distribution

Concentration (mg/L)



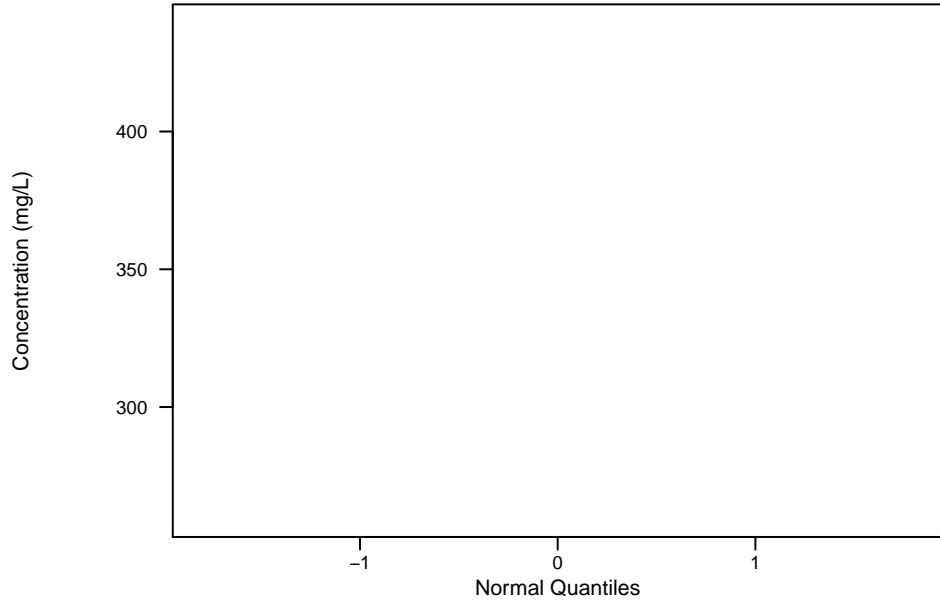


Appendix B – Figure 2

Appendix B – Figure 2
Unit: SRH Pond
QQ Plots of Upgradient Wells

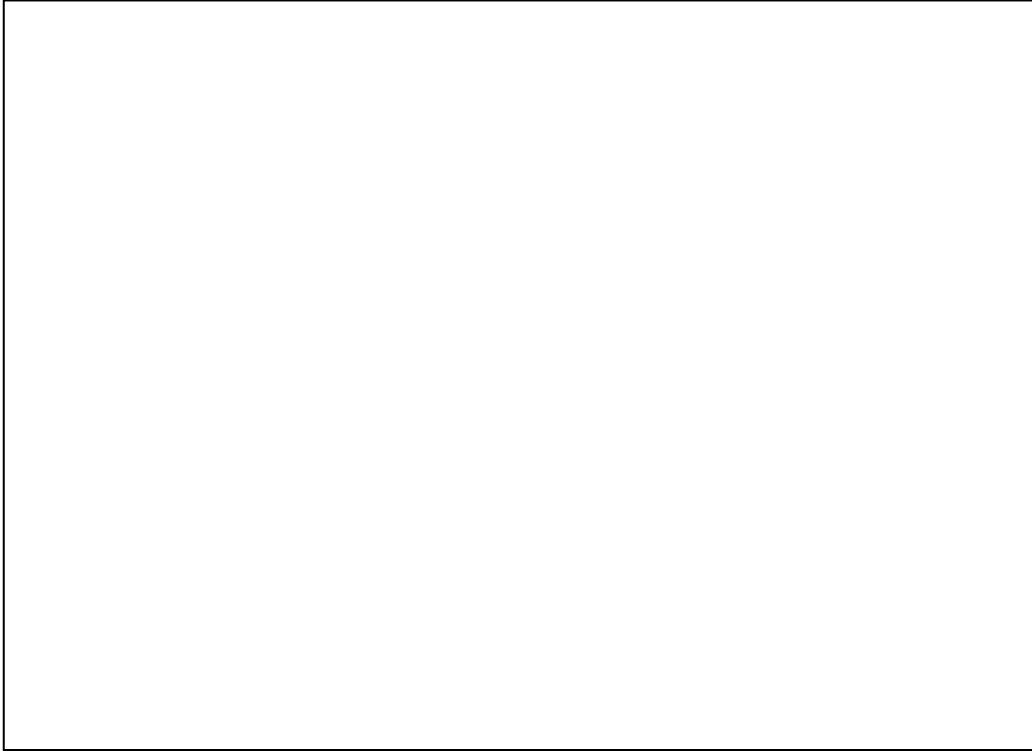
Analyte: Sulfate
Wells: JKS-51

Intrawell Analysis
Normal Distribution



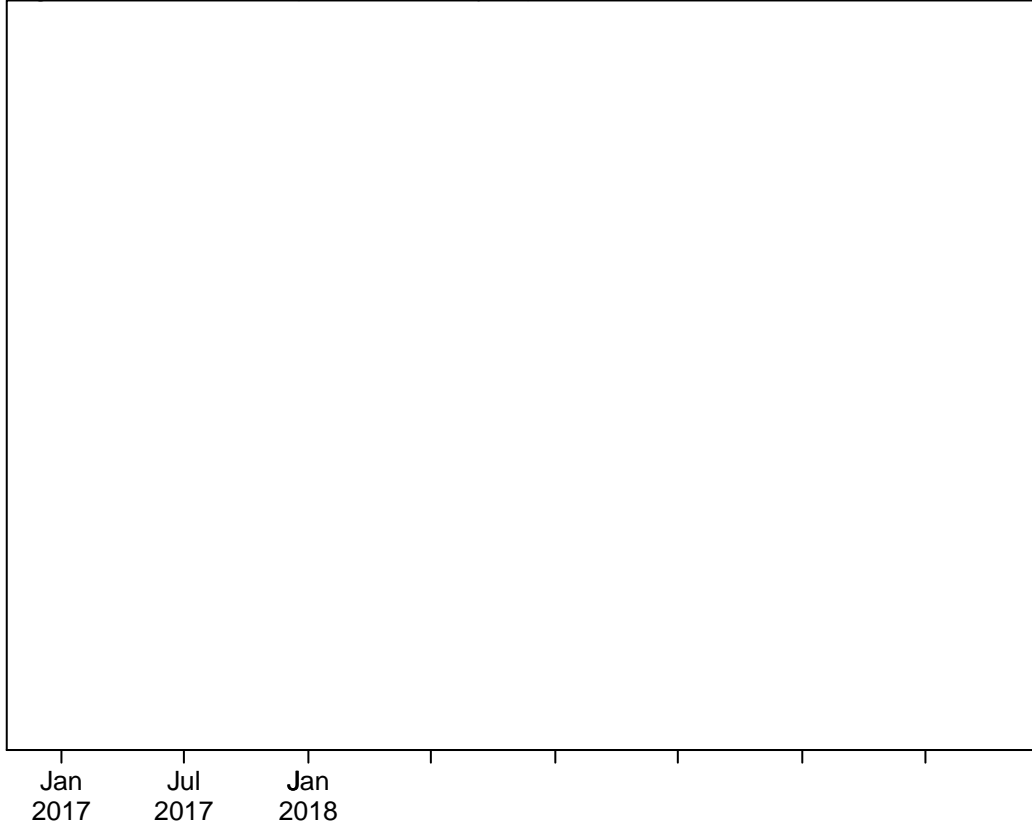
Appendix B – Figure 3
Unit: SRH Pond
Timeseries of Upgradient Wells

Chemical: Chloride



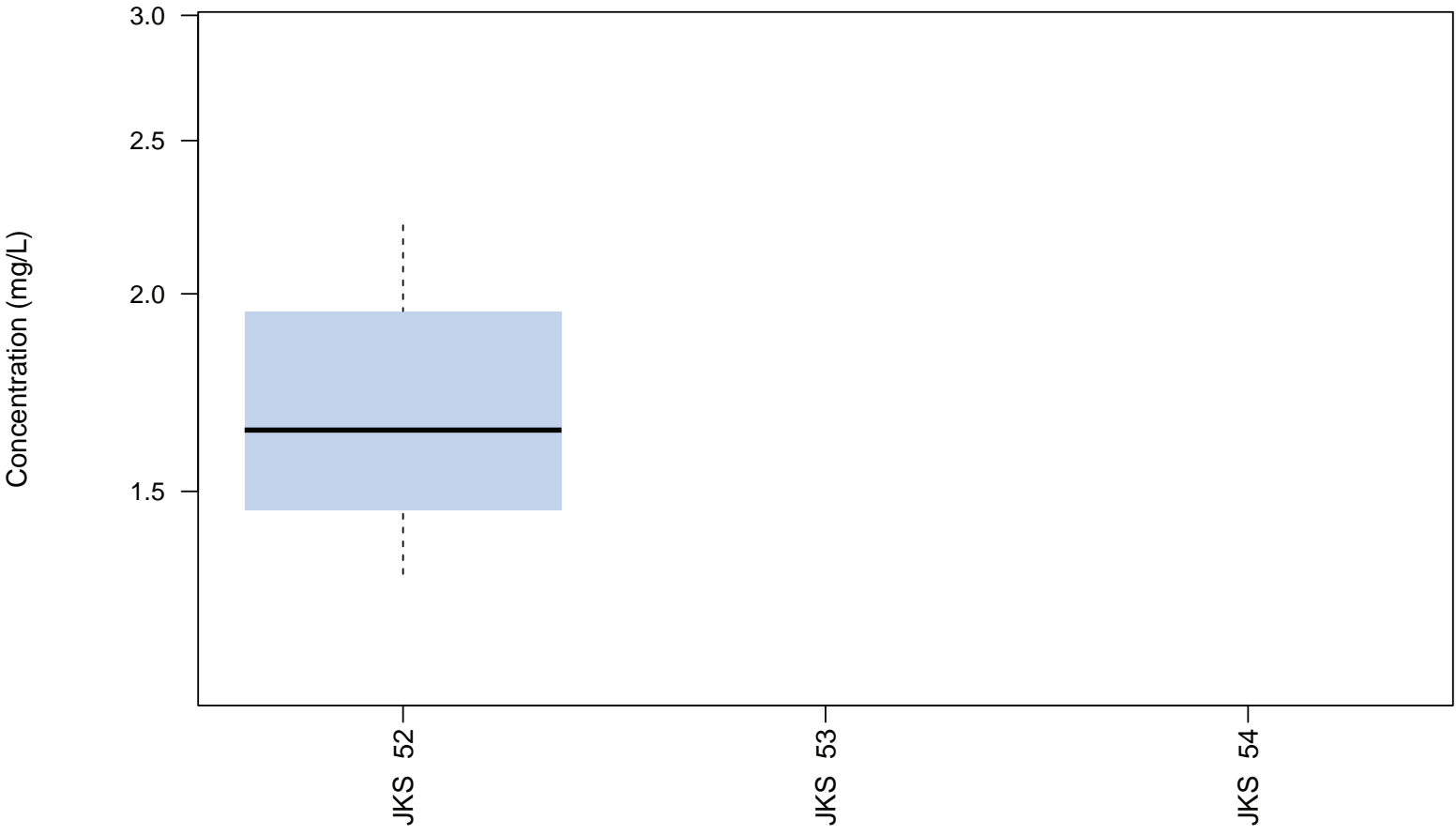
Appendix B – Figure 3
Unit: SRH Pond
Timeseries of Upgradient Wells

Chemical: pH
Significant Difference (Intrawell Analysis)



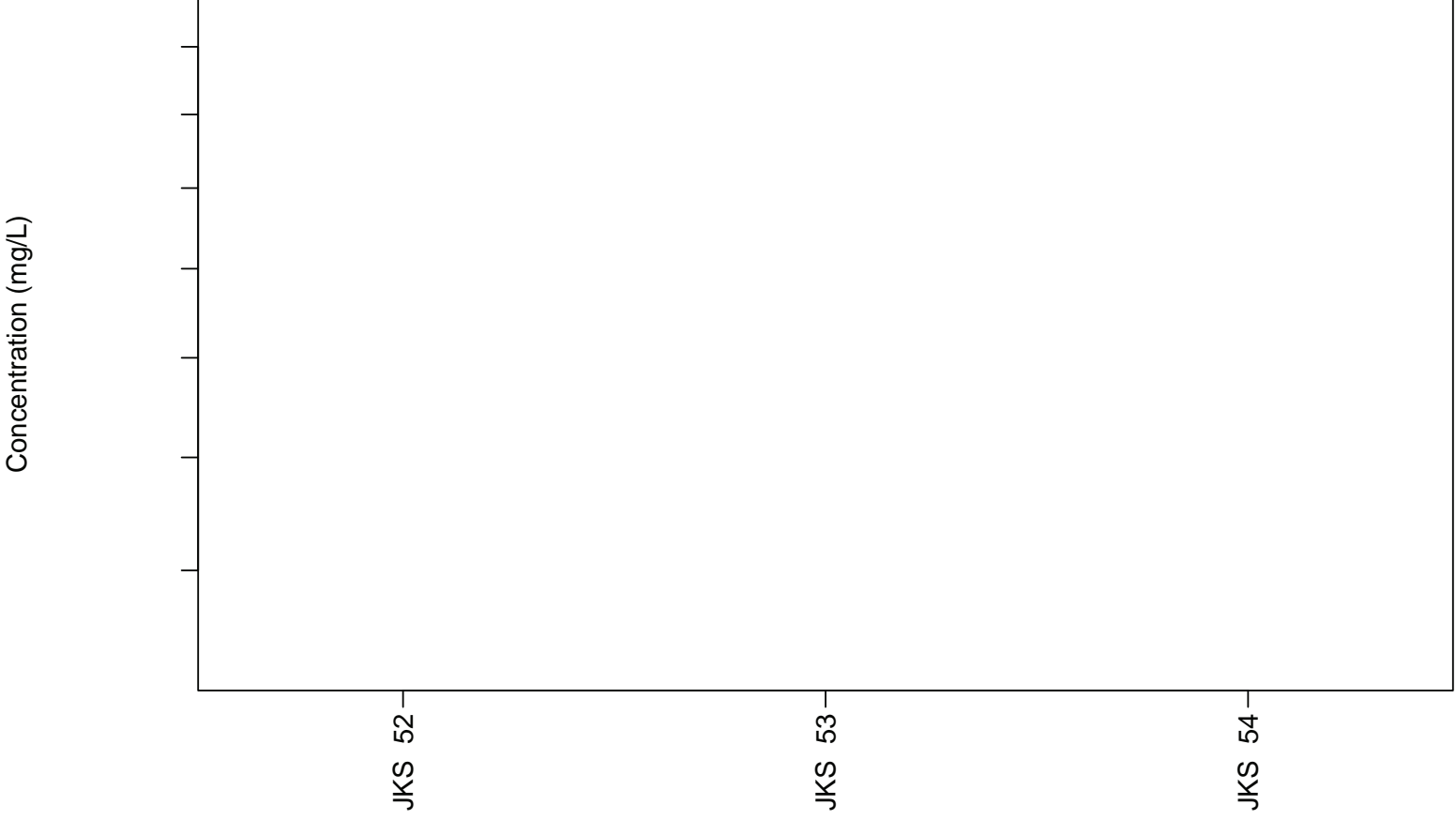
Appendix B – Figure 3
Unit: SRH Pond

Chemical: Boron

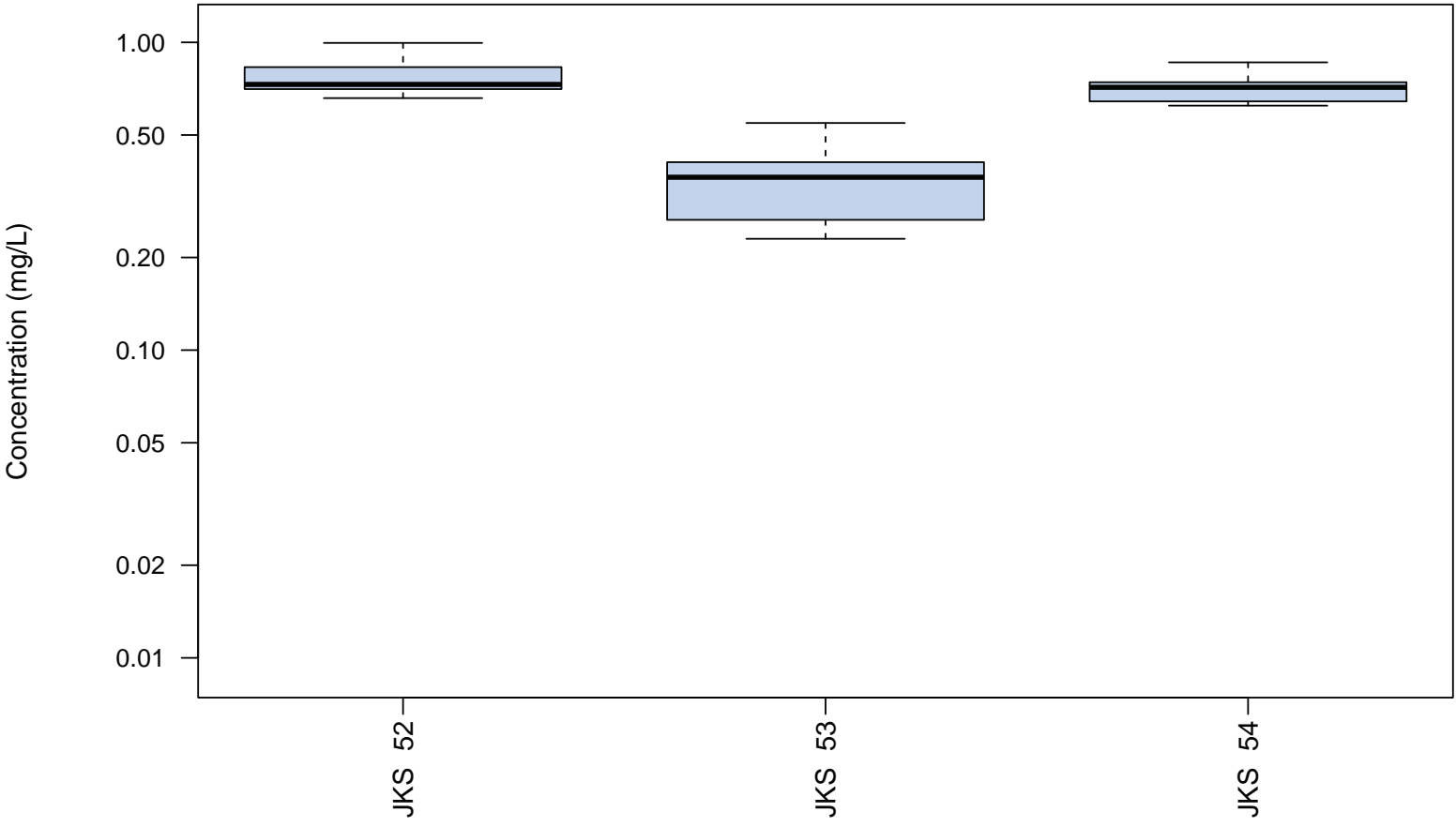




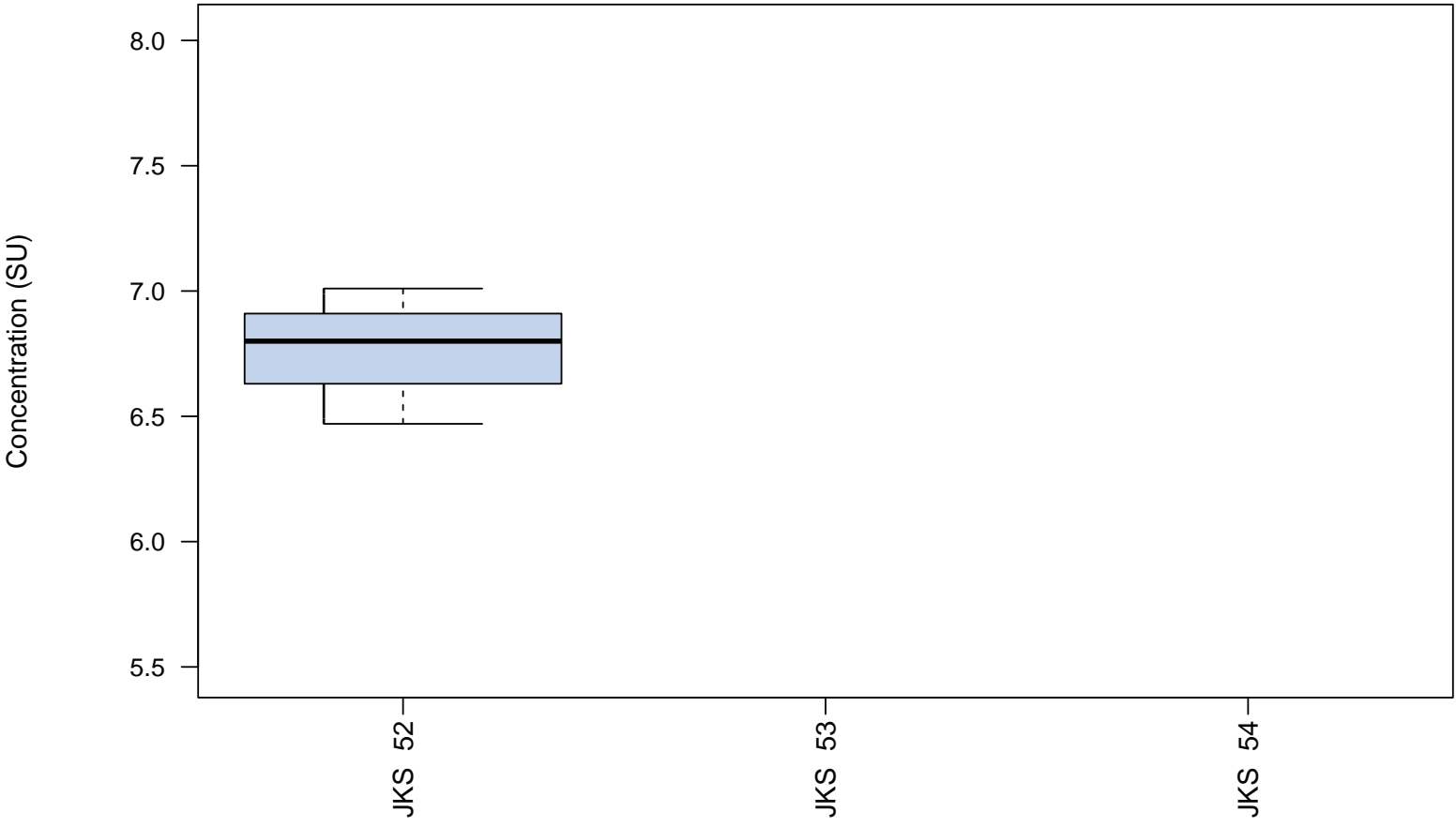
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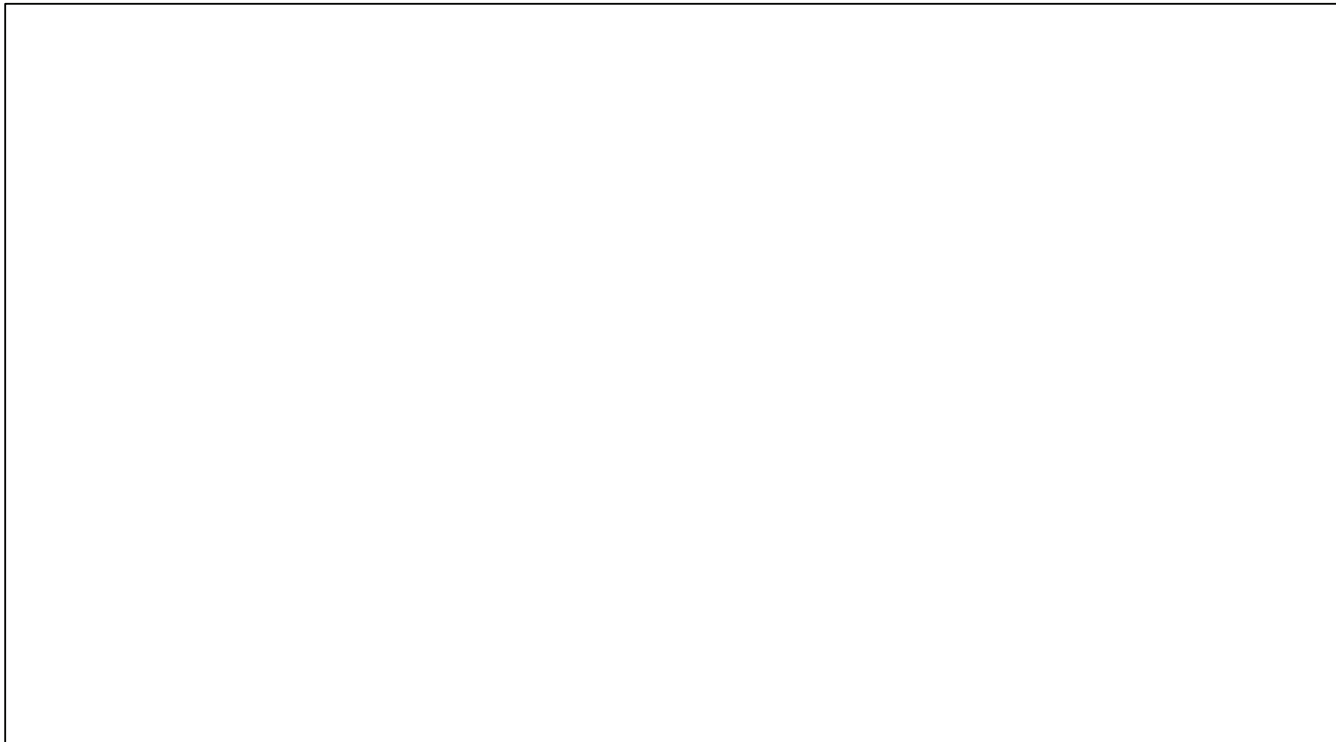
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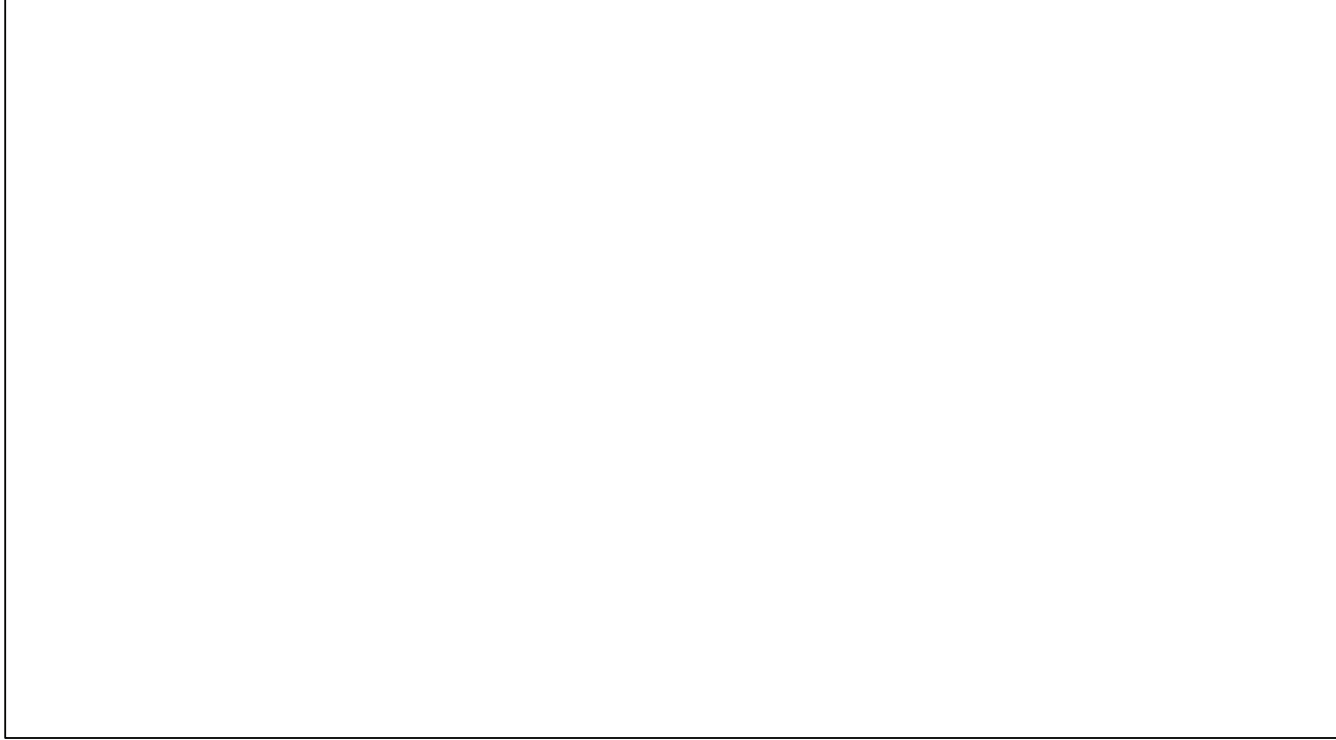


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Chemical: Sá á





**April 2020 Groundwater Sampling Event –
Calaveras Power Station CCR Units**

Appendix C

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Constituent	Units	DN	Downgradient JKS-31 4/28/2020 NNF	Downgradient JKS-33 4/28/2020	Downgradient JKS-46 4/28/2020	Downgradient JKS-46 4/28/2020	Downgradient JKS-60 4/28/2020



BAP
Downgradient

BAP
Down

BAP

BAP

BAP

BAP



SRH Pond
Downgradient

SRH Pond
Downgradient

SRH Pond
Downgradient

SRH Pond
Down

SRH Pond

