

3.1. GROUNDWATER FLOW RATE AND DIRECTION

487.02	18.85	485.60	15.67	(msl) 480.78
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TABLE 3
Ah Landfill3

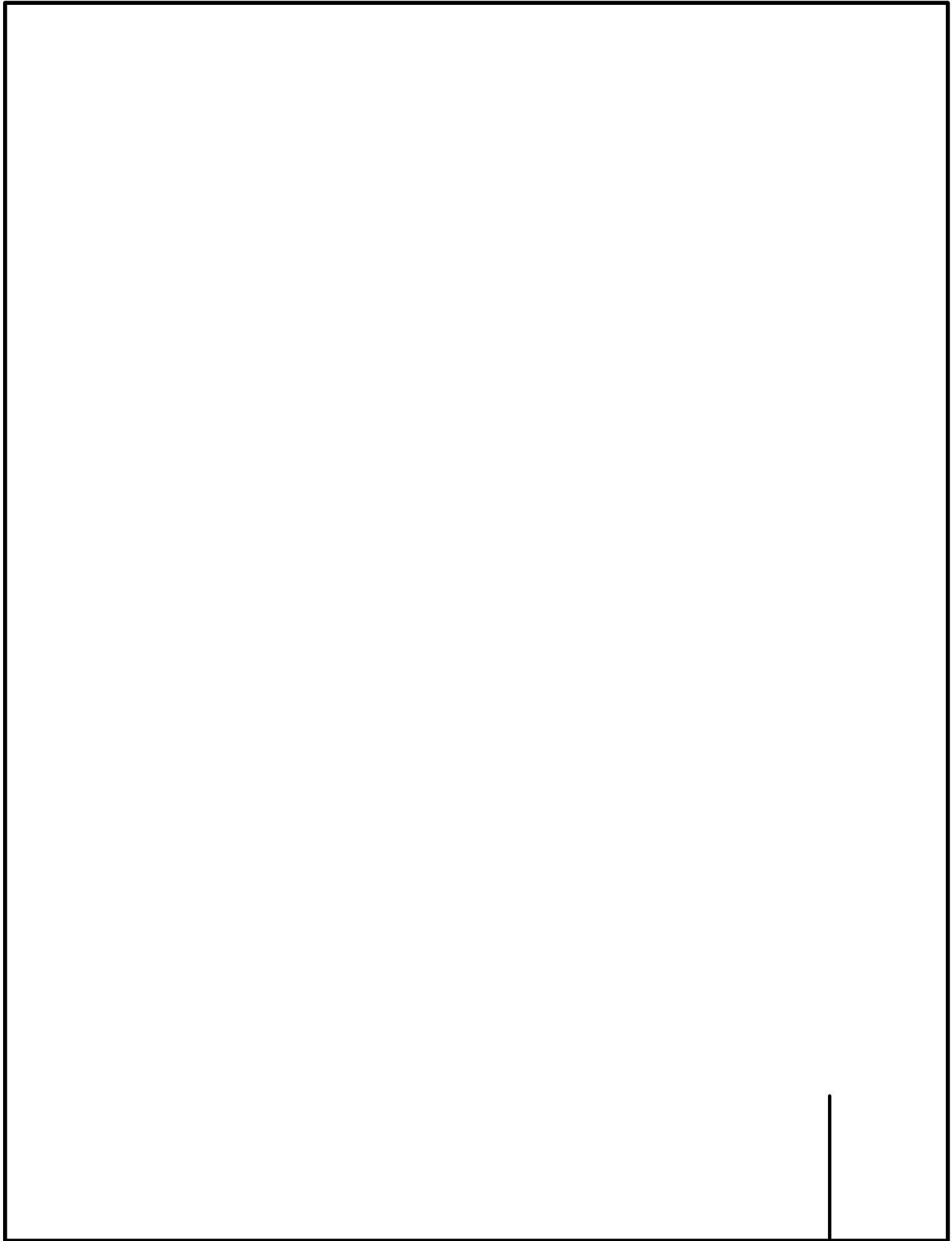
ppendixL- Detection Monitorng3

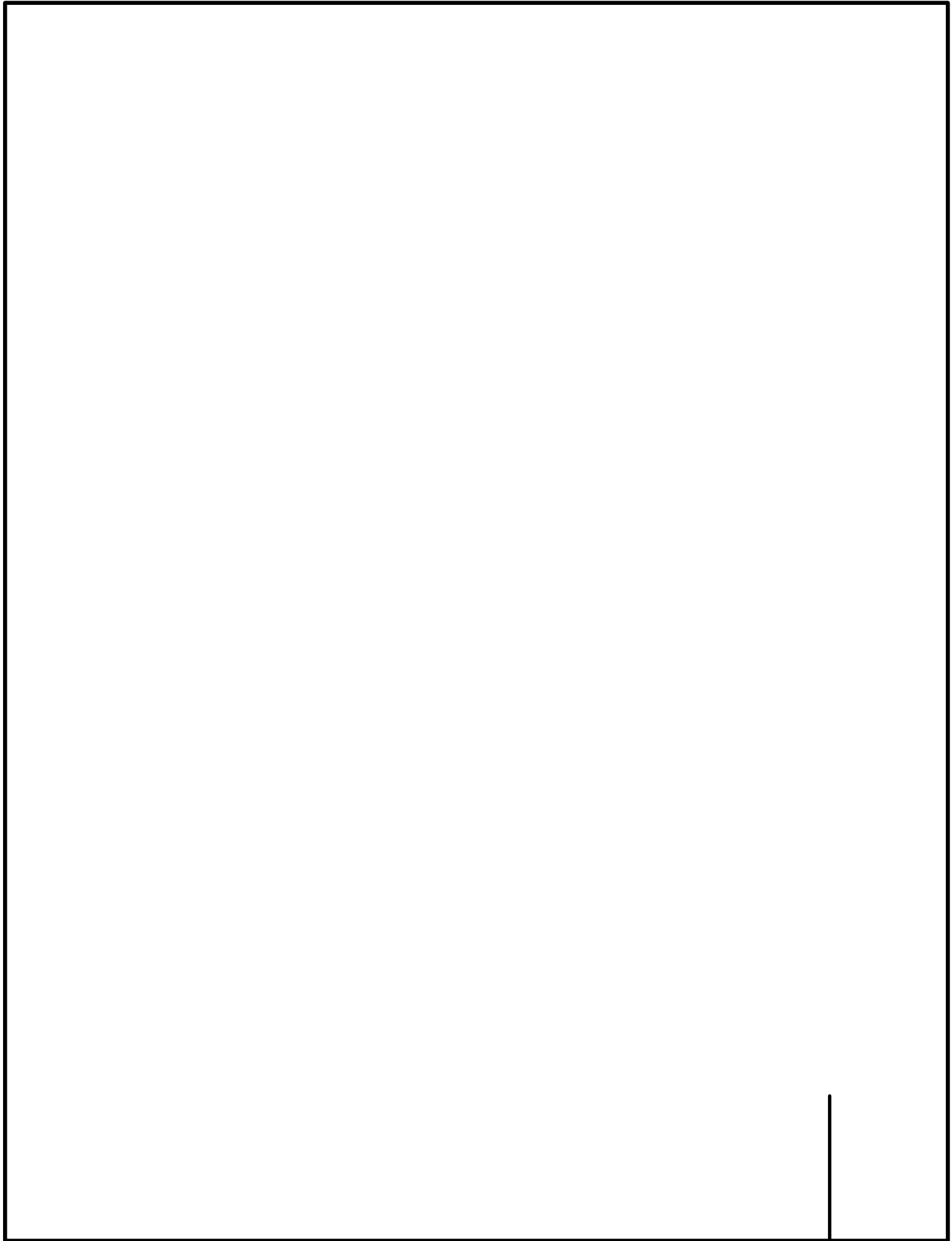
TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Fly Ash Landfill

Constituents	Unit
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TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Fly Ash Landfill

Constituents	Unit	
Appendix III - Detection Monitoring		
Boron	mg/L	
Calcium	mg/L	
Chloride	mg/L	
Fluoride	mg/L	
Sate		mg/L
d		





Analyte	N	Num Detects	Percent Detect	DF	KW Statistic	p-value	Conclusion	UPL Type
Boron	28	28	100.00%	1	14	<0.001	Significant Difference	Intrawell
Calcium	27	27	100.00%	1	19.5	<0.001	Significant Difference	Intrawell
Chloride	28	28	100.00%	1	0.931	0.335	No Significant Difference	Interwell
Fluoride	28	22	78.57%	1	16.6	<0.001	Significant Difference	Intrawell
pH	28	28	100.00%	1	15.8	<0.001	Significant Difference	Intrawell
Sulfate	28	28	100.00%	1	15.6	<0.001	Significant Difference	Intrawell
Total dissolved solids	28	28	100.00%	1	15.3	<0.001	Significant Difference	Intrawell be ofoled.ulae

Analyte	Well	Units	N	Num Detects	Percent Detect	Min ND	Max ND	Min Detect	Median	Mean	Max Detect	SD	CV	Distribution
Boron	JKS-45	mg/L	14	14	100.00%			1.11	2.24	2.27	3.24	0.627	0.27580402	Normal

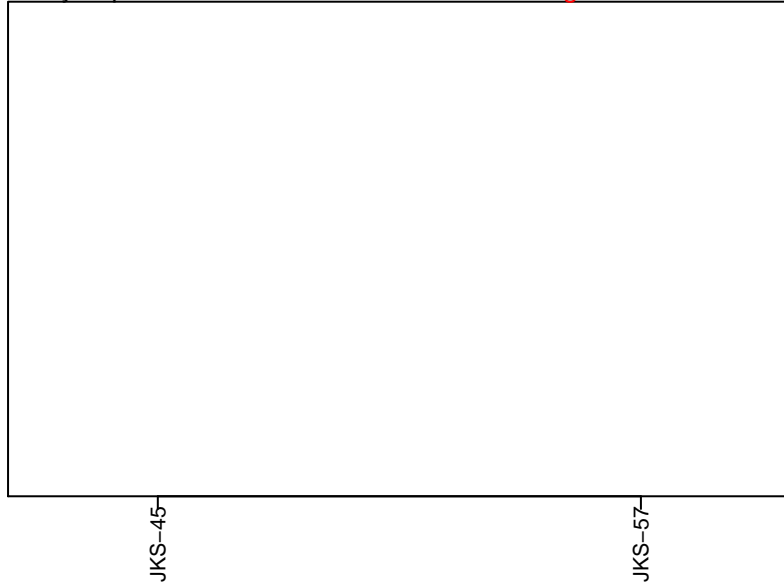
Analyte	UPL Type	Trend	Well	N	Num Detects	Percent Detects	LPL	UPL	Units	ND Adjustment	Transformation	Alpha	Method	Final LPL	Final UPL
Boron	Intrawell	Increasing Trend	JKS-45	14	14	100.00%		4.22	mg/L	None	No	0.00188	NP Detrended UPL		
Boron	Intrawell	Stable, No Trend	JKS-57	14	14	100.00%		5.97	mg/L	None					

Analyte	Well	LPL	UPL	Units	Recent Date	Observation	Qualifier	Obs > UPL	Notes
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Appendix B – Figure 1
Unit: Fly Ash Landfill
Boxplots of Upgradient Wells

Analyte: pH

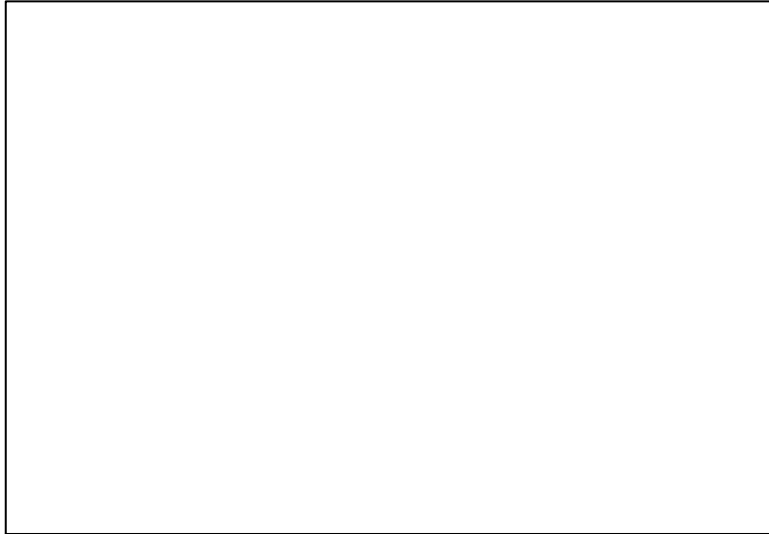
Significant Difference



Appendix B – Figure 2
Unit: Fly Ash Landfill
QQ Plots of Upgradient Wells

Analyte: Calcium
Wells: JKS-45

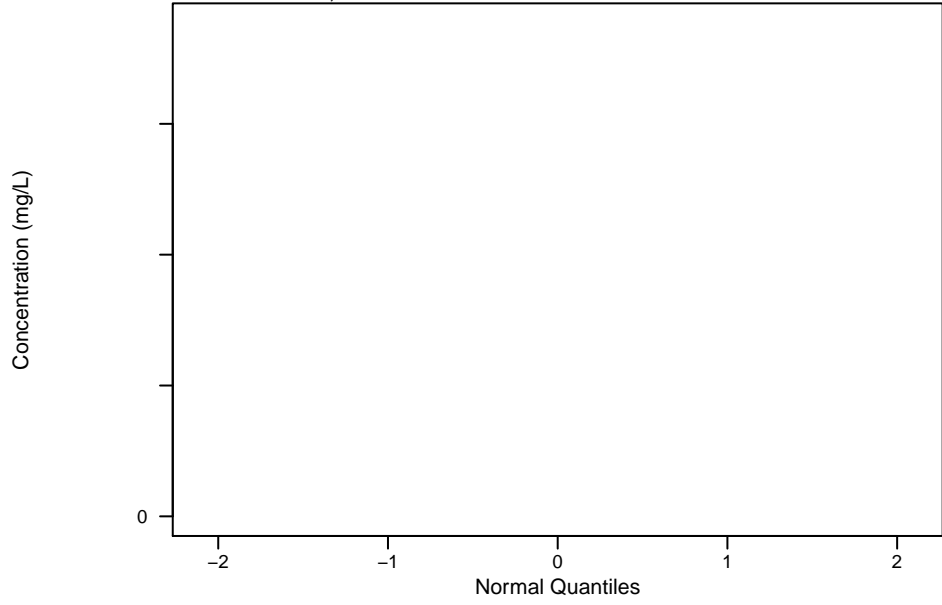
Intrawell Analysis



Appendix B – Figure 2
Unit: Fly Ash Landfill
QQ Plots of Upgradient Wells

Analyte: Chloride
Wells: JKS-45, JKS-57

Interwell Analysis
NDD Distribution



Appendix B – Figure 2
Unit: Fly Ash Landfill
QQ Plots of Upgradient Wells

Appendix B – Figure 2
Unit: Fly Ash Landfill
QQ Plots of Upgradient Wells

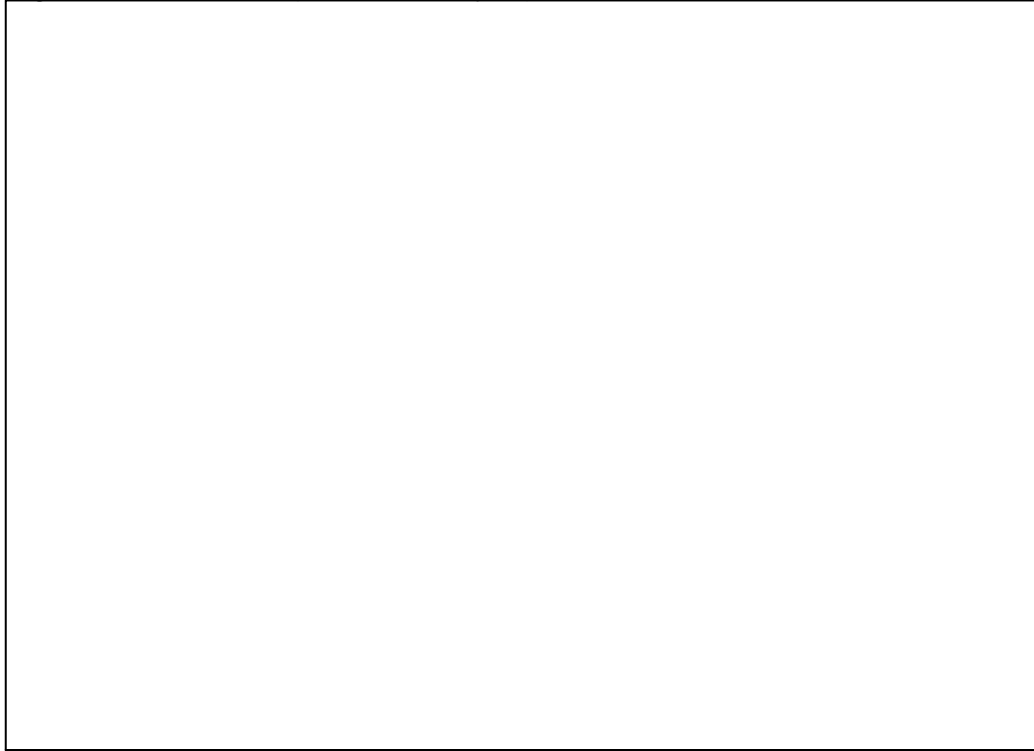
Analyte: Total dissolved solids
Wells: JKS-57

Intrawell Analysis
Normal Disaa



Appendix B – Figure 3
Unit: Fly Ash Landfill
Timeseries of Upgradient Wells

Chemical: Boron
Significant Difference (Intrawell Analysis)



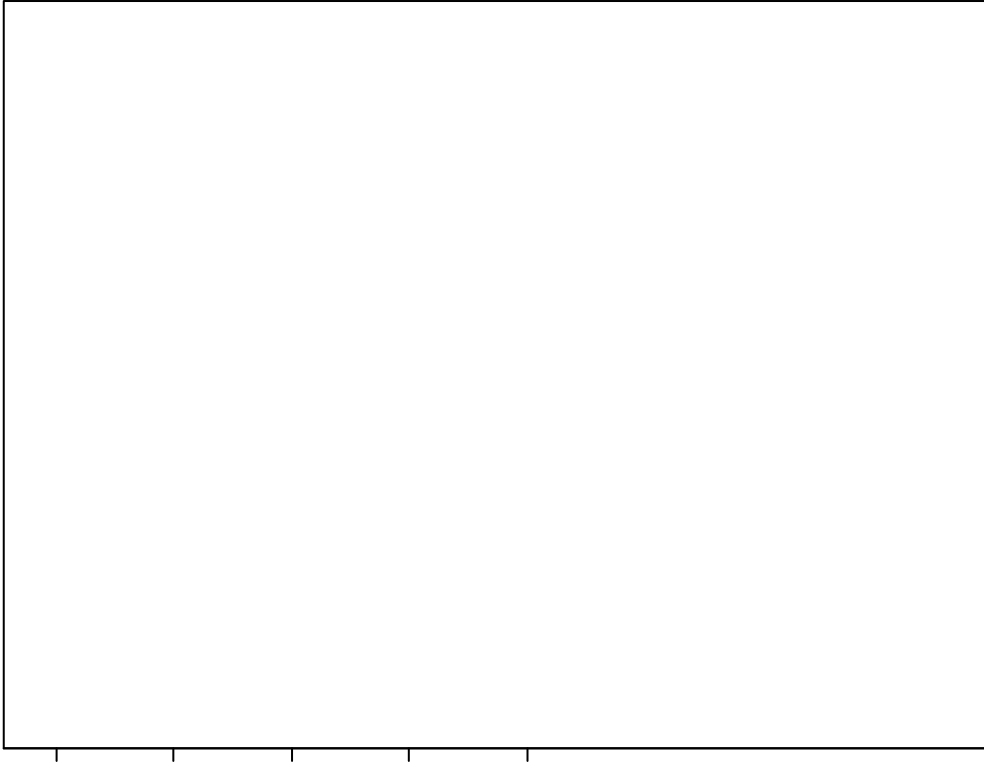
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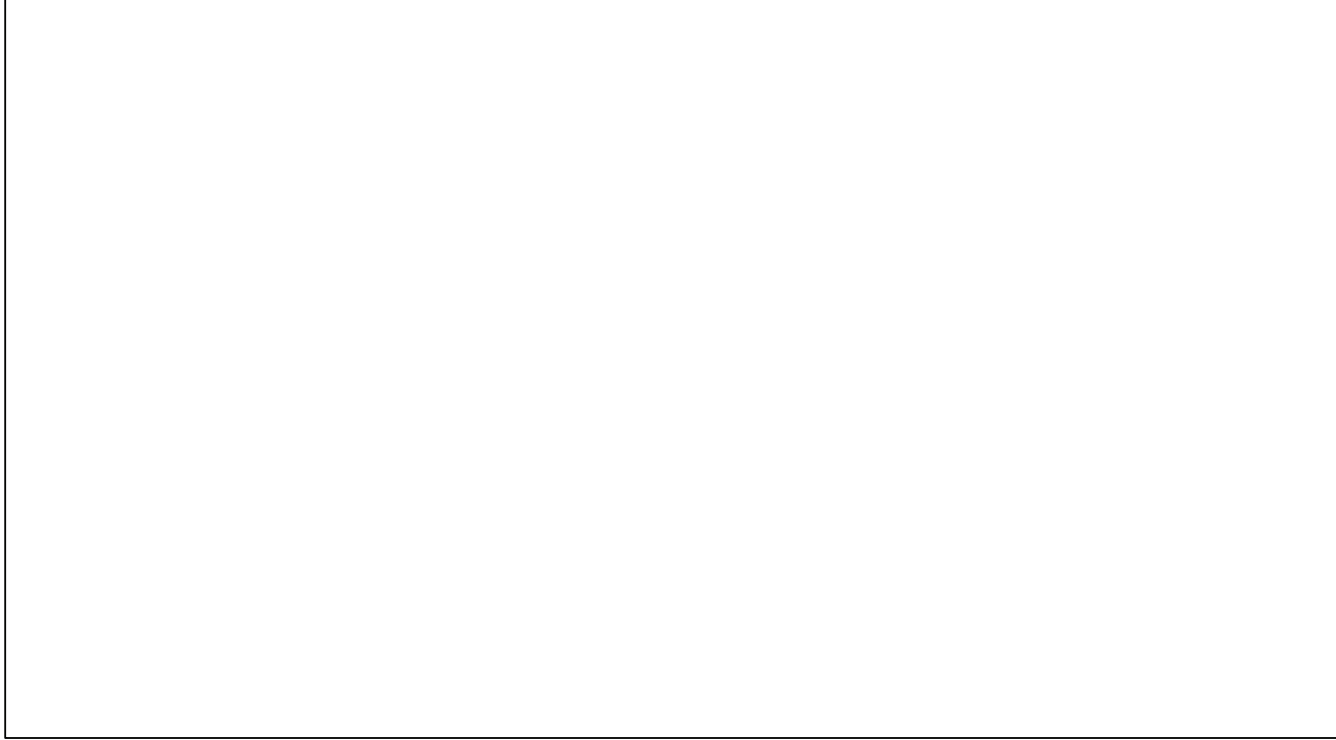
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Appendix B – Figure 3
Unit: Fly Ash Landfill

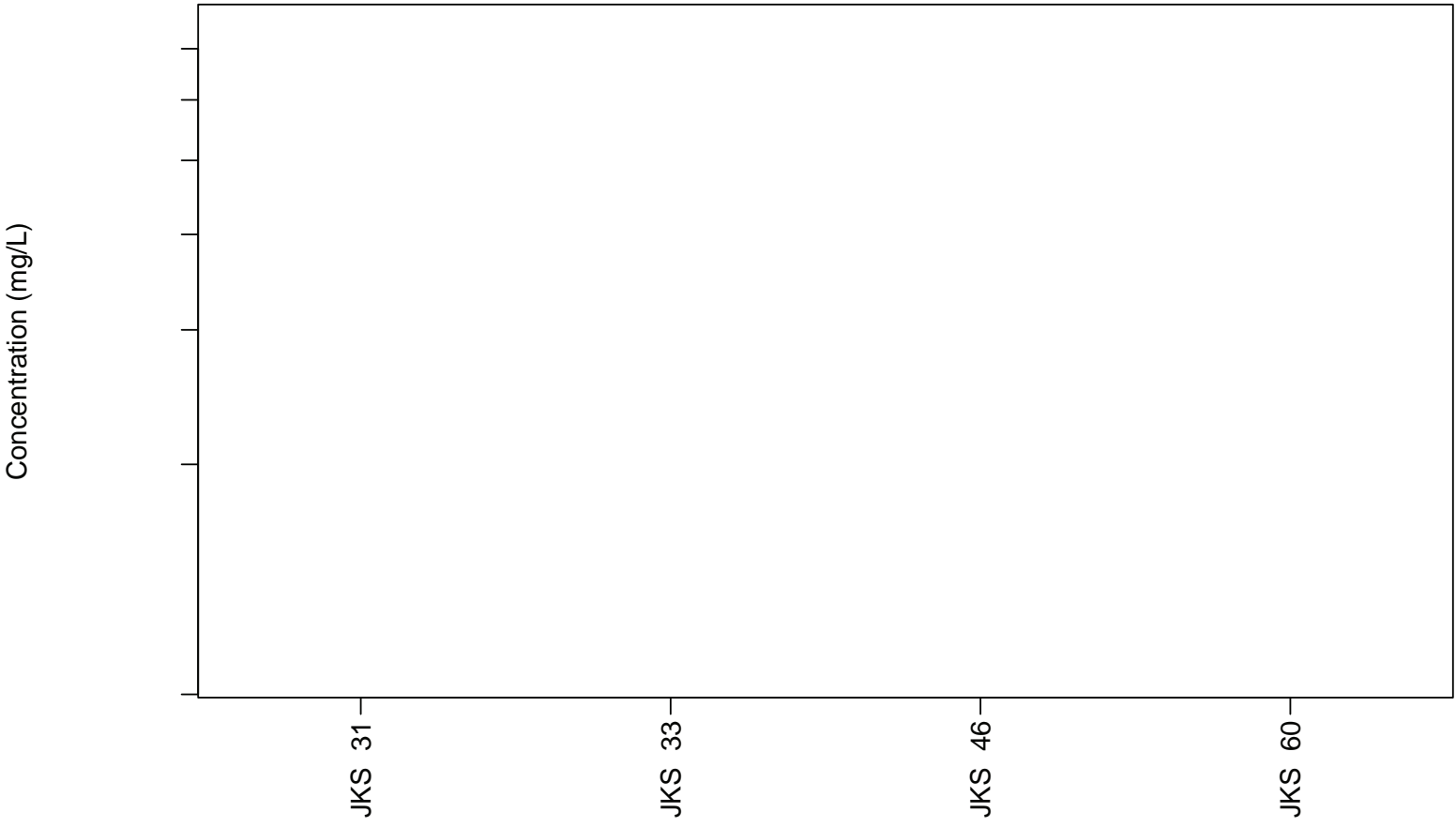
Appendix B – Figure 4
Unit: Fly Ash Landfill
Trend Analysis of Downgradient Wells with Exceedances

Chemical: pH
Well: JKS-31

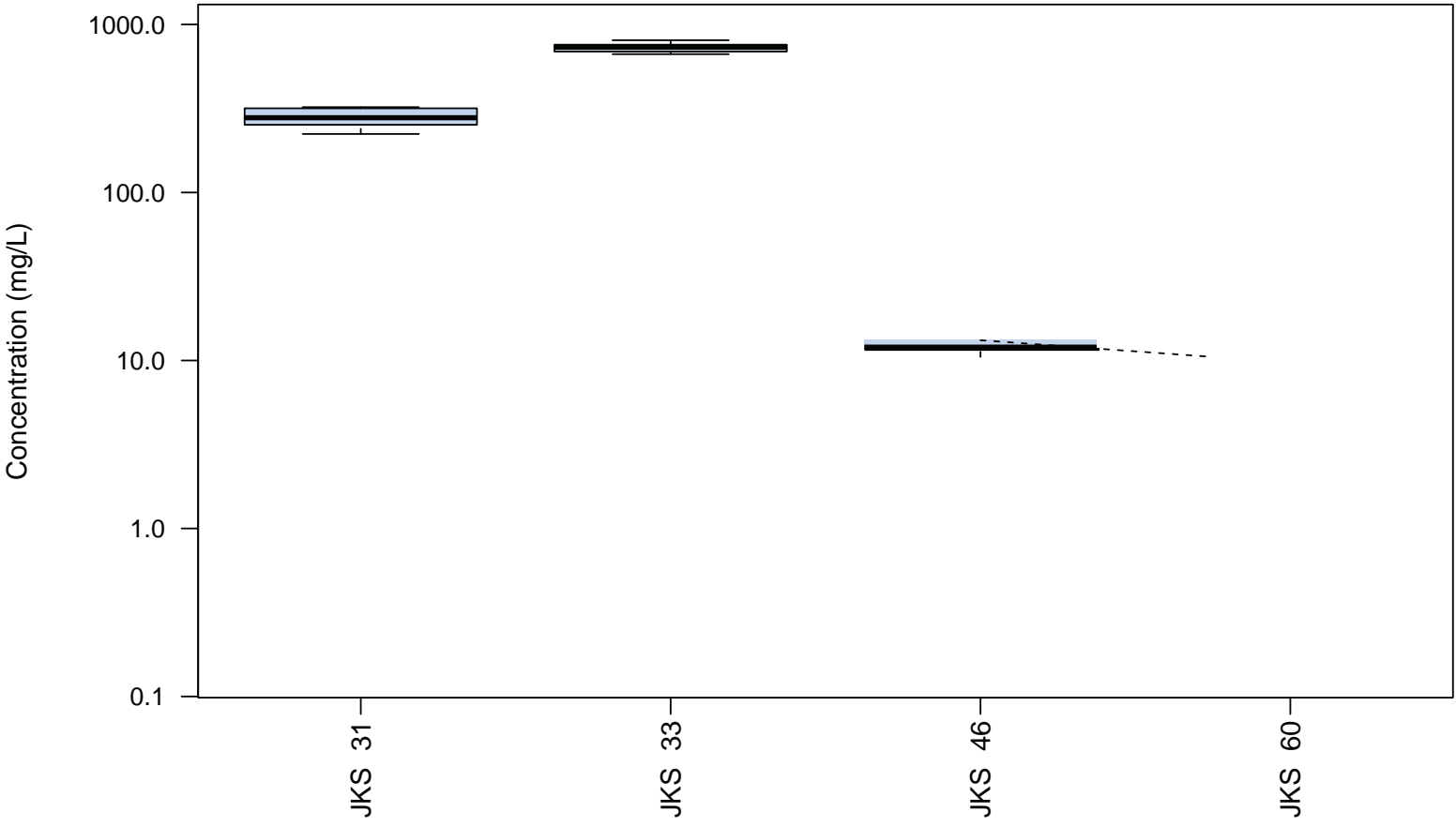




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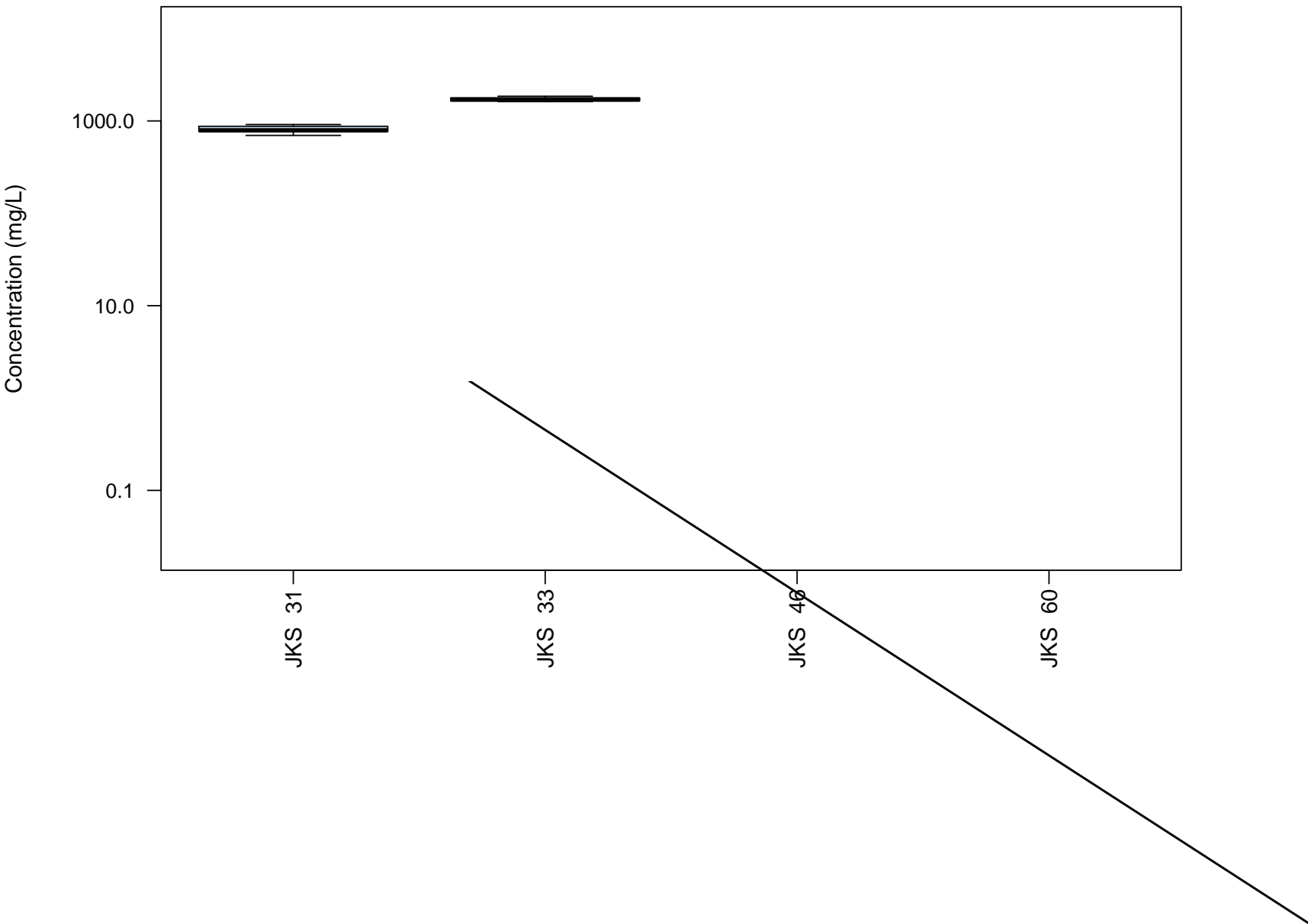
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Chemical: Sulfate



April 2020 Groundwater Sampling Event –

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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
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BAP
Downgradient

BAP
Down

BAP

BAP

BAP

BAP



SRH Pond
Downgradient

SRH Pond
Downgradient

SRH Pond
Downgradient

SRH Pond
Down

SRH Pond

