Carmichael Coal Mine Project

Groundwater Quality data

May 2026

	Sample Type:	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
	Sample Date:	19/05/2026	19/05/2026	19/05/2026	19/05/2026	19/05/2026	19/05/2026	19/05/2026	19/05/2026	19/05/2026	19/05/2026	19/05/2026	19/05/2026	19/05/2026	19/05/2026	19/05/2026
	Client sample ID (1st):	C008P1	C025P2	C027P1	C027P2	C029P1	C029P2	C14003SP	C14004SP	C14006SP	C14008SP	C14027SP	C18004SP	C19001SP	C19019SP	C19022SP
	Hydro-stratigraphic unit:	Rewan Formation	Tertiary	Alluvium	Dunda Beds	Alluvium	Tertiary	Joe Joe Group	Joe Joe Group	Joe Joe Group	Joe Joe Group	Alluvium	Weathered Tertiary	Alluvium	Alluvium	Weathered Tertiary
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**8.01**	**6.84**	**7.36**	**7.41**	**8.42**	**7.97**	**6.42**	**7.7**	**7.66**	**6.76**	**7.26**	**7.22**	**7.57**	**6.47**	**7.11**
Electrical Conductivity @ 25°C	µS/cm	**22700**	**15300**	**129**	**431**	**27000**	**9370**	**50200**	**50100**	**8190**	**623**	**55300**	**45300**	**9310**	**3600**	**53500**
Total Dissolved Solids @180°C	mg/L	**17200**	**10900**	**128**	**360**	**18700**	**6490**	**50600**	**51800**	**5990**	**397**	**43100**	**45300**	**6020**	**2440**	**48600**
Total Alkalinity as CaCO3	mg/L	**346**	**432**	**22**	**49**	**2000**	**228**	**44**	**201**	**118**	**30**	**222**	**218**	**705**	**10**	**264**
Sulfate as SO4 - Turbidimetric	mg/L	**44**	**24**	**11**	**6**	**819**	**216**	**2640**	**2170**	**217**	**13**	**2080**	**715**	**325**	**828**	**2140**
Chloride	mg/L	**7990**	**5140**	**21**	**98**	**8760**	**3230**	**20000**	**20000**	**2870**	**177**	**17600**	**14900**	**2840**	**567**	**17200**
Calcium	mg/L	**494**	**143**	**3**	**1**	**59**	**60**	**2550**	**3050**	**200**	**8**	**963**	**3410**	**72**	**10**	**2540**
Magnesium	mg/L	**390**	**130**	**2**	**2**	**299**	**79**	**1440**	**1230**	**83**	**6**	**1320**	**1380**	**66**	**60**	**1380**
Sodium	mg/L	**3850**	**3010**	**20**	**81**	**6240**	**1920**	**8470**	**8640**	**1450**	**109**	**10500**	**5110**	**1890**	**684**	**8760**
Potassium	mg/L	**85**	**60**	**4**	**5**	**192**	**49**	**31**	**46**	**23**	**5**	**129**	**21**	**37**	<1	**27**
Aluminium	mg/L	<0.01	<0.01	**0.05**	**0.06**	<0.05	<0.01	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	**0.01**	**0.02**	<0.05
Arsenic	mg/L	**0.001**	<0.001	**0.002**	**0.002**	<0.005	**0.004**	<0.005	<0.005	**0.001**	<0.001	<0.005	<0.005	**0.011**	**0.002**	**0.011**
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	**0.007**	<0.005
Cobalt	mg/L	**0.003**	<0.001	<0.001	<0.001	<0.005	<0.001	**0.019**	<0.005	<0.001	**0.009**	**0.008**	<0.005	**0.004**	**0.024**	<0.005
Copper	mg/L	**0.218**	<0.001	**0.006**	<0.001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.001	**0.011**	<0.005	**0.002**	<0.001	<0.005
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001	<0.005
Manganese	mg/L	**1.87**	**1.52**	**0.003**	**0.04**	**0.159**	**0.13**	**2.59**	**7.26**	**0.448**	**0.055**	**1.18**	**0.423**	**0.489**	**0.471**	**2.23**
Molybdenum	mg/L	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	**0.019**	<0.001	<0.005
Nickel	mg/L	**0.008**	<0.001	**0.002**	**0.001**	<0.005	<0.001	**0.022**	<0.005	<0.001	**0.012**	**0.01**	**0.011**	**0.005**	**0.037**	<0.005
Selenium	mg/L	<0.004	<0.004	<0.004	<0.004	<0.020	<0.004	<0.020	<0.020	<0.004	<0.004	<0.020	<0.020	<0.004	<0.004	<0.020
Silver	mg/L	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001	<0.005
Uranium	mg/L	**0.01**	<0.001	<0.001	<0.001	**0.053**	<0.001	<0.005	<0.005	<0.001	<0.001	<0.005	**0.015**	**0.043**	<0.001	**0.014**
Vanadium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	**0.02**	<0.01	<0.05
Zinc	mg/L	**0.036**	<0.005	**0.005**	**0.009**	<0.025	**0.012**	**0.03**	<0.025	**0.019**	**0.041**	<0.025	<0.025	<0.005	**0.008**	**0.025**
Boron	mg/L	**1.48**	**1.47**	**0.07**	**0.14**	**3.93**	**1.13**	**3.05**	**0.5**	**0.35**	**0.09**	**3.04**	**1.46**	**1.14**	**1.03**	**4.3**
Iron	mg/L	**0.69**	**6.42**	**0.38**	**1.86**	**0.19**	**1.3**	**20.8**	**2.45**	**8.41**	**1.31**	**2.74**	**1.05**	<0.05	<0.05	**11.9**
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0001	<0.0001	<0.0005
Fluoride	mg/L	**0.5**	**0.5**	<0.1	**0.2**	**1.2**	**0.4**	**0.1**	**0.1**	**0.7**	**0.2**	**0.2**	<0.5	**1**	<0.1	**0.3**
Ammonia as N	mg/L	**0.5**	**0.25**	<0.01	**0.05**	**0.13**	**0.15**	**0.39**	**1.57**	**0.47**	<0.01	**0.25**	<0.01	**0.02**	<0.01	**0.11**
Nitrite as N	mg/L	**0.03**	**0.02**	**0.02**	**0.02**	<0.01	<0.01	<0.01	<0.01	**0.01**	<0.01	**0.02**	<0.01	<0.01	<0.01	<0.01
Nitrate as N	mg/L	<0.01	<0.01	**0.09**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**2.39**	<0.01
Total Phosphorus as P	mg/L	**0.03**	**0.09**	**0.05**	**0.08**	**0.23**	**0.08**	**0.03**	**0.03**	**0.01**	<0.01	**0.05**	**0.02**	**0.11**	**0.04**	**0.03**
Sulfide as S2-	mg/L	<0.10	<0.10	<0.10	<0.10	**3.14**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
C6 - C9 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
C6 - C10 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
>C10 - C40 Fraction (sum)	µg/L	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Sum of BTEX	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

	Sample Type:	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
	Sample Date:	19/05/2026	19/05/2026	19/05/2026	18/05/2026	16/05/2026	16/05/2026	16/05/2026	15/05/2026	16/05/2026	16/05/2026	16/05/2026	16/05/2026	16/05/2026	17/05/2026	17/05/2026
	Client sample ID (1st):	C555P1	C975SP	Duplicate 1	C9180121SPR	C011P3	C012P1	C012P2	C014P2	C016P2	C018P2	C018P3	C022P1	C024P3	C032P2	C035P1
	Hydro-stratigraphic unit:	Rewan Formation	Colinlea Sandstone		Tertiary	Colinlea Sandstone	Joe Joe Group	Joe Joe Group	Bandanna Formation	Bandanna Formation	Bandanna Formation	Colinlea Sandstone	Dunda Beds	Colinlea Sandstone	Bandanna Formation	Rewan Formation
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**7.8**	**6.73**	**6.79**	**6.61**	**7.47**	**6.05**	**7.28**	**8.06**	**7.68**	**7.17**	**7.1**	**5.7**	**6.44**	**8.15**	**6.92**
Electrical Conductivity @ 25°C	µS/cm	**806**	**594**	**8670**	**3620**	**910**	**2020**	**2620**	**2020**	**2740**	**2150**	**996**	**270**	**1420**	**1260**	**3850**
Total Dissolved Solids @180°C	mg/L	**459**	**325**	**6070**	**2150**	**502**	**1160**	**1440**	**1110**	**1620**	**1260**	**564**	**173**	**814**	**698**	**2180**
Total Alkalinity as CaCO3	mg/L	**149**	**45**	**135**	**31**	**218**	**63**	**269**	**324**	**179**	**251**	**178**	**14**	**117**	**347**	**156**
Sulfate as SO4 - Turbidimetric	mg/L	<1	**21**	**204**	**88**	<1	**53**	**48**	<1	**35**	**12**	**14**	**6**	**18**	<1	**50**
Chloride	mg/L	**180**	**152**	**2960**	**1110**	**165**	**525**	**626**	**463**	**706**	**509**	**206**	**76**	**374**	**204**	**975**
Calcium	mg/L	**7**	**2**	**189**	**33**	**23**	**30**	**84**	**18**	**94**	**52**	**25**	**1**	**14**	**11**	**16**
Magnesium	mg/L	**8**	**7**	**87**	**47**	**5**	**34**	29	**5**	**16**	**35**	**6**	**3**	**27**	**4**	**15**
Sodium	mg/L	**157**	**109**	**1480**	**612**	**174**	**328**	**417**	**426**	**445**	**319**	**174**	**47**	**232**	**270**	**739**
Potassium	mg/L	**8**	**6**	**22**	**10**	**9**	**11**	**15**	**11**	**12**	**19**	**10**	**3**	**10**	**4**	**5**
Aluminium	mg/L	**0.01**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.02**	<0.01	<0.01	<0.01	**0.01**	<0.01	<0.01	<0.01
Arsenic	mg/L	**0.003**	<0.001	**0.001**	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.004**	**0.002**
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.015**	**0.001**	<0.001	<0.001
Copper	mg/L	<0.001	**0.005**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.003**	<0.001	<0.001	<0.001
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	mg/L	**0.173**	**0.036**	**0.447**	**0.005**	**0.035**	**0.017**	**0.169**	**0.007**	**0.076**	**0.065**	**0.05**	**0.007**	**0.191**	**0.03**	**0.112**
Molybdenum	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.004**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.006**	<0.001
Nickel	mg/L	<0.001	<0.001	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.001**	**0.01**	<0.001	<0.001
Selenium	mg/L	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vanadium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	mg/L	**0.006**	**0.056**	**0.016**	**0.062**	<0.005	**0.085**	**0.007**	<0.005	<0.005	<0.005	<0.005	**0.01**	**0.061**	<0.005	<0.005
Boron	mg/L	**0.25**	**0.15**	**0.44**	**0.28**	**0.47**	**0.45**	**0.51**	**0.38**	**0.37**	**0.59**	**0.37**	**0.16**	**0.35**	**0.39**	**0.75**
Iron	mg/L	**2.33**	<0.05	**8.52**	**1.9**	**0.44**	<0.05	**0.3**	**0.1**	**0.22**	**0.42**	**0.83**	<0.05	**6.94**	**0.12**	**0.22**
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoride	mg/L	**0.5**	**0.2**	**0.8**	<0.1	**1.2**	**0.2**	**0.4**	**1.1**	**0.2**	**0.4**	**1.2**	<0.1	**0.5**	**1**	**0.6**
Ammonia as N	mg/L	**0.04**	<0.01	**0.46**	<0.01	**0.22**	<0.01	**0.02**	**0.9**	**2.06**	**0.03**	**0.16**	**0.01**	**0.14**	**0.39**	<0.01
Nitrite as N	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrate as N	mg/L	<0.01	**0.04**	<0.01	**0.26**	<0.01	**0.03**	<0.01	<0.01	<0.01	<0.01	<0.01	**0.11**	**0.01**	<0.01	<0.01
Total Phosphorus as P	mg/L	**0.07**	**0.03**	**0.01**	**0.04**	**0.01**	<0.01	<0.01	<0.01	<0.01	**0.1**	<0.01	<0.01	**0.07**	**0.02**	<0.01
Sulfide as S2-	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**0.18**	**0.39**	**1.78**	<0.10	<0.10	<0.10	<0.10	**0.24**	<0.10
C6 - C9 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
C6 - C10 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
>C10 - C40 Fraction (sum)	µg/L	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Sum of BTEX	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

	Sample Type:	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
	Sample Date:	17/05/2026	15/05/2026	15/05/2026	15/05/2026	16/05/2026	17/05/2026	16/05/2026	15/05/2026	15/05/2026	15/05/2026	16/05/2026	15/05/2026	15/05/2026	15/05/2026	15/05/2026
	Client sample ID (1st):	C035P2	C14011SP	C14012SP	C14013SP	C14020SP	C14024SP	C14033SP	C18001SP	C18002SP	C18003SP	C18009SP	C18010SP	C18011SP	C18012SP	C18013SP
	Hydro-stratigraphic unit:	Bandanna Formation	Clematis Sandstone	Clematis Sandstone	Clematis Sandstone	Moolayember	Composite Bore (Clematis / Dunda)	Clematis Sandstone	Clematis Sandstone	Clematis Sandstone	Moolayember	Weathered Tertiary	Spring Discharge Clematis SSt	Spring Discharge Clematis SSt	Spring Discharge Clematis SSt	Spring Discharge Clematis SSt
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**6.86**	**6.14**	**7.2**	**5.36**	**6.13**	**6.51**	**5.54**	**7.16**	**7.86**	**7.16**	**7.26**	**9.78**	**7.53**	**7.61**	**7.64**
Electrical Conductivity @ 25°C	µS/cm	**1530**	**311**	**498**	**425**	**1580**	**497**	**384**	**691**	**393**	**532**	**29400**	**780**	**636**	**399**	**399**
Total Dissolved Solids @180°C	mg/L	**766**	**181**	**275**	**257**	**936**	**275**	**214**	**382**	**218**	**286**	**22300**	**----**	**354**	**220**	**204**
Total Alkalinity as CaCO3	mg/L	**113**	**40**	**136**	**6**	**38**	**69**	**9**	**105**	**140**	**156**	**144**	**----**	**124**	**152**	**149**
Sulfate as SO4 - Turbidimetric	mg/L	**20**	**5**	**5**	**10**	**54**	**9**	**3**	**9**	<1	**8**	**850**	**2**	**4**	<1	<1
Chloride	mg/L	**388**	**68**	**75**	**114**	**414**	**109**	**107**	**147**	**43**	**66**	**8340**	**65**	**125**	**41**	**41**
Calcium	mg/L	**12**	**12**	**3**	**1**	**7**	**3**	**2**	**4**	**1**	**4**	**1530**	**----**	**2**	**1**	<1
Magnesium	mg/L	**8**	**6**	**2**	**9**	**42**	**6**	**10**	**1**	<1	**3**	**600**	**----**	<1	<1	<1
Sodium	mg/L	**286**	**37**	**101**	**54**	**209**	**84**	**47**	**127**	**79**	**100**	**3350**	**----**	**126**	**81**	**82**
Potassium	mg/L	**6**	**3**	**8**	**7**	**25**	**8**	**11**	**17**	**12**	**16**	**19**	**----**	**12**	**12**	**12**
Aluminium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.03**	<0.01	**0.02**	<0.01
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001	**0.002**	<0.001	**0.003**	**0.002**	<0.001	<0.001
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.004**	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	<0.001	**0.002**	<0.001	**0.004**	**0.001**	**0.001**	**0.002**	<0.001	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	mg/L	<0.001	**0.007**	<0.001	**0.009**	**0.001**	<0.001	**0.002**	<0.001	<0.001	<0.001	**0.009**	**0.026**	<0.001	<0.001	<0.001
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	mg/L	**0.107**	**0.01**	**0.002**	**0.018**	**0.001**	**0.108**	**0.004**	**0.014**	**0.129**	**0.595**	**0.026**	<0.001	**0.004**	**0.022**	**0.013**
Molybdenum	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.014**	**0.002**	<0.001	<0.001	<0.001
Nickel	mg/L	<0.001	**0.003**	<0.001	**0.01**	**0.005**	<0.001	**0.002**	<0.001	<0.001	<0.001	**0.009**	**0.001**	<0.001	<0.001	<0.001
Selenium	mg/L	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001
Uranium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.038**	<0.001	<0.001	<0.001	<0.001
Vanadium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.03**	<0.01	<0.01	<0.01
Zinc	mg/L	<0.005	**0.024**	<0.005	**0.046**	**0.016**	**0.02**	**0.012**	**0.06**	<0.005	**0.016**	**0.023**	<0.005	<0.005	**0.063**	<0.005
Boron	mg/L	**0.29**	**0.11**	**0.13**	**0.14**	**0.35**	**0.15**	**0.09**	**0.14**	**0.07**	**0.13**	**1.39**	**0.12**	**0.16**	**0.11**	**0.1**
Iron	mg/L	**0.36**	<0.05	<0.05	<0.05	<0.05	**0.28**	<0.05	**1.68**	<0.05	**0.59**	<0.05	**0.11**	**0.48**	**0.15**	**0.27**
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoride	mg/L	**0.2**	<0.1	**0.5**	<0.1	**0.2**	**0.2**	<0.1	**0.2**	**0.4**	**0.5**	**0.6**	**----**	**0.2**	**0.5**	**0.5**
Ammonia as N	mg/L	**0.04**	**0.05**	**0.02**	<0.01	<0.01	<0.01	<0.01	**0.37**	**0.1**	**0.35**	**0.05**	**0.08**	**0.15**	**0.19**	**0.12**
Nitrite as N	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrate as N	mg/L	<0.01	**0.41**	<0.01	**0.64**	<0.01	<0.01	**0.59**	<0.01	<0.01	<0.01	**0.19**	**0.05**	<0.01	<0.01	<0.01
Total Phosphorus as P	mg/L	<0.01	<0.01	**0.04**	<0.01	<0.01	<0.01	<0.01	<0.01	**0.14**	**0.05**	<0.01	**0.55**	**0.17**	**0.09**	**0.2**
Sulfide as S2-	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**----**	<0.10	<0.10	<0.10
C6 - C9 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
C6 - C10 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
>C10 - C40 Fraction (sum)	µg/L	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	**240**	<100	<100	<100
Sum of BTEX	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

	Sample Type:	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
	Sample Date:	16/05/2026	17/05/2026	17/05/2026	15/05/2026	15/05/2026	15/05/2026	16/05/2026	15/05/2026	15/05/2026	15/05/2026	17/05/2026	17/05/2026	17/05/2026	17/05/2026	17/05/2026
	Client sample ID (1st):	C18014SP	C19003SP	C19004SP	C19007SP	C19008SP	C19010SP	C19011SP	C19012SP	C19014SP	C19015SP	C19028SP	C19029SP	C556P1	C833SP	C847SP
	Hydro-stratigraphic unit:	Spring Discharge Clematis SSt	Colinlea Sandstone	Colinlea Sandstone	Dunda Beds	Rewan Formation	Clematis Sandstone	Dunda Beds	Rewan Formation	Clematis Sandstone	Dunda Beds	Rewan Formation	Colinlea Sandstone	Rewan Formation	Colinlea Sandstone	Bandanna Formation
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**6.15**	**7.95**	**8.04**	**8.27**	**8.54**	**8.37**	**8.4**	**11.2**	**8.33**	**8.12**	**7.38**	**7.67**	**6.18**	**7.62**	**6.16**
Electrical Conductivity @ 25°C	µS/cm	**596**	**3360**	**3130**	**832**	**990**	**650**	**816**	**2310**	**689**	**741**	**6110**	**1030**	**260**	**1090**	**372**
Total Dissolved Solids @180°C	mg/L	**346**	**1590**	**1500**	**404**	**470**	**358**	**450**	**1340**	**324**	**410**	**3360**	**568**	**172**	**602**	**239**
Total Alkalinity as CaCO3	mg/L	**15**	**182**	**250**	**160**	**162**	**163**	**144**	**277**	**149**	**146**	**305**	**302**	**32**	**232**	**21**
Sulfate as SO4 - Turbidimetric	mg/L	**5**	<1	<1	**6**	<1	<1	<1	**60**	<1	<1	**192**	<1	**9**	<1	**7**
Chloride	mg/L	**166**	**838**	**741**	**159**	**208**	**105**	**167**	**443**	**122**	**144**	**1420**	**139**	**48**	**193**	**92**
Calcium	mg/L	**3**	**65**	**53**	**4**	**6**	**2**	**3**	**26**	**2**	**2**	**17**	**5**	<1	**19**	<1
Magnesium	mg/L	**13**	**12**	**5**	<1	<1	<1	<1	<1	<1	<1	**50**	**4**	**1**	**6**	**2**
Sodium	mg/L	**75**	**542**	**543**	**160**	**190**	**132**	**161**	**363**	**130**	**148**	**1120**	**204**	**44**	**179**	**63**
Potassium	mg/L	**11**	**12**	**8**	**5**	**5**	**6**	**4**	**13**	**8**	**5**	**12**	**7**	**2**	**20**	**2**
Aluminium	mg/L	<0.01	<0.01	<0.01	**0.02**	**0.02**	<0.01	<0.01	**0.5**	<0.01	<0.01	<0.01	<0.01	**0.02**	<0.01	<0.01
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	**0.019**	<0.001	<0.001	**0.006**	<0.001	<0.001	<0.001	<0.001
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001
Copper	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	mg/L	**0.011**	**0.065**	**0.089**	**0.044**	**0.03**	**0.003**	**0.044**	<0.001	**0.008**	**0.038**	**0.222**	**0.015**	**0.03**	**0.207**	**0.001**
Molybdenum	mg/L	<0.001	<0.001	<0.001	**0.012**	**0.004**	<0.001	**0.002**	**0.042**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001
Nickel	mg/L	**0.005**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	mg/L	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vanadium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	mg/L	**0.011**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.007**	**0.008**	**0.018**	<0.005	**0.023**
Boron	mg/L	**0.12**	**0.43**	**0.46**	**0.07**	**0.06**	**0.09**	<0.05	**0.12**	**0.1**	**0.11**	**1.18**	**0.34**	**0.12**	**0.18**	**0.1**
Iron	mg/L	<0.05	**1.67**	**1.63**	<0.05	<0.05	**0.08**	<0.05	<0.05	**0.19**	**0.07**	**0.59**	**0.28**	**0.7**	**0.72**	<0.05
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.0004**	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoride	mg/L	**0.1**	**2.3**	**3.2**	**0.4**	**0.2**	**0.4**	**0.4**	**0.9**	**0.4**	**0.4**	**1.1**	**5.9**	**0.2**	**1.4**	**0.1**
Ammonia as N	mg/L	<0.01	<0.01	**0.49**	**0.2**	**0.27**	**0.15**	**0.24**	**7.59**	**0.16**	**0.17**	**0.02**	**0.17**	<0.01	**0.51**	<0.01
Nitrite as N	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrate as N	mg/L	**0.01**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.11**
Total Phosphorus as P	mg/L	**0.02**	<0.01	<0.01	<0.01	<0.01	**0.16**	**0.01**	<0.01	**0.19**	**0.04**	**0.12**	**0.03**	**0.03**	**0.04**	<0.01
Sulfide as S2-	mg/L	<0.10	<0.10	<0.10	**0.19**	<0.10	<0.10	<0.10	**31.2**	<0.10	<0.10	**0.12**	<0.10	<0.10	**0.41**	<0.10
C6 - C9 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
C6 - C10 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
>C10 - C40 Fraction (sum)	µg/L	<100	<100	<100	<100	<100	<100	<100	**140**	<100	<100	<100	<100	<100	<100	<100
Sum of BTEX	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

	Sample Type:	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
	Sample Date:	17/05/2026	15/05/2026	16/05/2026	17/05/2026	17/05/2026	17/05/2026	16/05/2026	15/05/2026	15/05/2026	15/05/2026	16/05/2026	16/05/2026	17/05/2026	17/05/2026	18/05/2026
	Client sample ID (1st):	C848SP	C919016SPR	C9553P1R	C9838SPR	C9845SPR	C9849SPR	HD02	Joshua Spring	Duplicate A	Duplicate B	Duplicate C	Duplicate D	Duplicate E	Duplicate F	C034P3
	Hydro-stratigraphic unit:	Colinlea Sandstone	Rewan Formation	Rewan Formation	Rewan Formation	Tertiary	Colinlea Sandstone	Clematis Sandstone	Spring Discharge Clematis SSt							Colinlea Sandstone
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**6.74**	**8.61**	**6.39**	**5.77**	**6.59**	**7**	**6.99**	**7.4**	**8.35**	**7.54**	**8.45**	**8.66**	**7.8**	**8.18**	**6.93**
Electrical Conductivity @ 25°C	µS/cm	**3180**	**798**	**417**	**425**	**2070**	**3310**	**193**	**574**	**653**	**717**	**830**	**801**	**1040**	**3210**	**1830**
Total Dissolved Solids @180°C	mg/L	**1770**	**372**	**232**	**204**	**975**	**1530**	**128**	**317**	**361**	**414**	**358**	**360**	**488**	**1770**	**898**
Total Alkalinity as CaCO3	mg/L	**215**	**206**	**66**	**13**	**68**	**252**	**87**	**119**	**163**	**113**	**146**	**207**	**303**	**251**	**96**
Sulfate as SO4 - Turbidimetric	mg/L	**20**	<1	**10**	**7**	**52**	<1	<1	**7**	<1	**9**	<1	<1	<1	<1	**22**
Chloride	mg/L	**762**	**129**	**85**	**116**	**525**	**778**	**6**	**95**	**103**	**143**	**166**	**126**	**141**	**748**	**454**
Calcium	mg/L	**25**	**3**	<1	**2**	**5**	**33**	**14**	**11**	**2**	**4**	**3**	**3**	**5**	**51**	**22**
Magnesium	mg/L	**24**	<1	**6**	**6**	**16**	**19**	**9**	**3**	<1	**1**	<1	<1	**4**	**5**	**10**
Sodium	mg/L	**516**	**160**	**63**	**64**	**369**	**557**	**9**	**88**	**132**	**122**	**158**	**159**	**211**	**564**	**285**
Potassium	mg/L	**16**	**3**	**3**	**3**	**7**	**19**	**5**	**19**	**6**	**16**	**4**	**3**	**7**	**8**	**12**
Aluminium	mg/L	<0.01	**0.01**	<0.01	<0.01	<0.01	<0.01	**0.03**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	mg/L	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	**0.006**	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.019**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	mg/L	**0.284**	**0.022**	**0.072**	**0.002**	**0.009**	**0.32**	**1.2**	**0.172**	**0.003**	**0.014**	**0.043**	**0.022**	**0.015**	**0.083**	**0.23**
Molybdenum	mg/L	<0.001	**0.008**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.003**	**0.008**	<0.001	<0.001	<0.001
Nickel	mg/L	<0.001	<0.001	**0.001**	**0.002**	<0.001	<0.001	**0.003**	<0.001	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	mg/L	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vanadium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	mg/L	**0.013**	<0.005	<0.005	**0.026**	**0.008**	**0.018**	**0.01**	<0.005	<0.005	**0.062**	<0.005	<0.005	**0.005**	<0.005	**0.104**
Boron	mg/L	**0.17**	<0.05	**0.12**	**0.11**	**0.22**	**0.17**	<0.05	**0.08**	**0.07**	**0.11**	<0.05	<0.05	**0.31**	**0.43**	**0.22**
Iron	mg/L	**1.49**	<0.05	**1.18**	<0.05	<0.05	**3.03**	**6.12**	<0.05	**0.07**	**1.54**	<0.05	<0.05	**0.29**	**1.65**	**3.03**
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoride	mg/L	**0.3**	**0.3**	**0.2**	<0.1	**0.2**	**0.3**	<0.1	**0.5**	**0.4**	**0.2**	**0.4**	**0.3**	**6**	**3.1**	**0.2**
Ammonia as N	mg/L	**0.08**	**0.27**	**0.12**	**0.1**	**0.09**	**0.08**	**0.77**	**0.07**	**0.15**	**0.22**	**0.22**	**0.28**	**0.14**	**0.43**	**0.1**
Nitrite as N	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrate as N	mg/L	<0.01	<0.01	<0.01	**0.2**	**0.05**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Phosphorus as P	mg/L	**0.02**	<0.01	**0.09**	<0.01	**0.02**	**0.02**	**0.18**	<0.01	**0.17**	**0.03**	<0.01	<0.01	**0.03**	<0.01	<0.01
Sulfide as S2-	mg/L	<0.10	<0.10	**0.15**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
C6 - C9 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
C6 - C10 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
>C10 - C40 Fraction (sum)	µg/L	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Sum of BTEX	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

	Sample Type:	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
	Sample Date:	18/05/2026	18/05/2026	18/05/2026	18/05/2026	18/05/2026	18/05/2026	18/05/2026	18/05/2026	18/05/2026	18/05/2026	18/05/2026	18/05/2026	18/05/2026	18/05/2026	18/05/2026
	Client sample ID (1st):	C14002SP	C14015SP	C14016SP	C14028SP	C14029SP	C14031SP	C14032SP	C18005SP	Mellaluka Spring	C18006SP	C180119SP	C180120SP	C180122SP	C914001SPR	C914030SPR
	Hydro-stratigraphic unit:	Joe Joe Group	Joe Joe Group	Joe Joe Group	Alluvium	Composite Bore (Tertiary / Joe Joe)	Composite Bore (Tertiary / Joe Joe)	Joe Joe Group	Weathered Tertiary	Spring Discharge Composite	Weathered Tertiary	Joe Joe Group	Composite Bore (Tertiary / Joe Joe)	Composite Bore (Tertiary / Joe Joe)	Joe Joe Group	Joe Joe Group
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**7.21**	**7.22**	**7.68**	**7.03**	**6.54**	**6.4**	**6.43**	**6.99**	**7.03**	**7.07**	**6.93**	**6.38**	**6.18**	**6.9**	**6.74**
Electrical Conductivity @ 25°C	µS/cm	**13500**	**2590**	**3020**	**54500**	**11700**	**7130**	**2380**	**63400**	**1160**	**75600**	**814**	**9870**	**8740**	**27100**	**606**
Total Dissolved Solids @180°C	mg/L	**7430**	**1450**	**1680**	**33200**	**6450**	**3940**	**1320**	**39700**	**646**	**54500**	**454**	**5850**	**4840**	**16000**	**342**
Total Alkalinity as CaCO3	mg/L	**141**	**126**	**170**	**353**	**56**	**32**	**38**	**139**	**44**	**225**	**73**	**32**	**15**	**270**	**29**
Sulfate as SO4 - Turbidimetric	mg/L	**357**	**57**	**63**	**1840**	**468**	**110**	**30**	**2320**	**4**	**2940**	**6**	**171**	**76**	**1200**	**12**
Chloride	mg/L	**3560**	**603**	**703**	**14100**	**2740**	**1940**	**613**	**17300**	**297**	**18600**	**195**	**2830**	**2440**	**6770**	**152**
Calcium	mg/L	**273**	**17**	**41**	**825**	**193**	**89**	**27**	**2460**	**14**	**1990**	**6**	**108**	**108**	**793**	**5**
Magnesium	mg/L	**107**	**14**	**14**	**1160**	**150**	**105**	**31**	**1320**	**13**	**1380**	**5**	**143**	**116**	**397**	**5**
Sodium	mg/L	**1960**	**440**	**517**	**9450**	**1680**	**973**	**341**	**9680**	**171**	**10500**	**134**	**1430**	**1190**	**3260**	**93**
Potassium	mg/L	**30**	**9**	**9**	**138**	**11**	**15**	**12**	**18**	**10**	**26**	**4**	**31**	**20**	**67**	**5**
Aluminium	mg/L	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.05	**0.02**	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	mg/L	<0.001	<0.001	**0.006**	<0.005	<0.001	<0.001	<0.001	**0.007**	<0.001	<0.005	<0.001	<0.001	<0.001	**0.001**	<0.001
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chromium	mg/L	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	**0.016**	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	<0.001	<0.001	<0.001	<0.005	**0.004**	<0.001	**0.003**	**0.01**	<0.001	**0.007**	<0.001	**0.002**	**0.003**	<0.001	**0.008**
Copper	mg/L	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Lead	mg/L	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	mg/L	**1.02**	**0.083**	**0.2**	**3.42**	**0.055**	**0.094**	**0.203**	**3**	**0.164**	**1.24**	**0.038**	**0.048**	**0.246**	**0.86**	**0.068**
Molybdenum	mg/L	<0.001	<0.001	**0.002**	<0.005	<0.001	<0.001	<0.001	**0.006**	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Nickel	mg/L	**0.002**	<0.001	<0.001	<0.005	**0.009**	**0.001**	**0.002**	**0.075**	<0.001	**0.015**	<0.001	**0.004**	**0.003**	<0.001	**0.011**
Selenium	mg/L	<0.004	<0.004	<0.004	<0.020	<0.004	<0.004	<0.004	<0.020	<0.004	<0.020	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	mg/L	**0.001**	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium	mg/L	<0.001	<0.001	<0.001	**0.054**	<0.001	<0.001	<0.001	**0.037**	<0.001	**0.025**	<0.001	<0.001	<0.001	**0.003**	<0.001
Vanadium	mg/L	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	mg/L	<0.005	**0.01**	**0.056**	<0.025	**0.013**	**0.005**	**0.011**	<0.025	<0.005	<0.025	**0.741**	**0.061**	**0.013**	<0.005	**0.035**
Boron	mg/L	**0.93**	**0.42**	**0.39**	**3.05**	**1.7**	**0.47**	**0.18**	**5.09**	**0.16**	**5.25**	**0.15**	**0.48**	**0.5**	**1.82**	**0.13**
Iron	mg/L	**1.72**	**0.75**	**0.28**	**0.33**	**0.8**	**0.68**	**2.24**	**2.02**	**0.57**	**2.48**	**9.92**	**7.77**	**1.09**	**2.44**	**0.25**
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoride	mg/L	**0.2**	**0.5**	**0.7**	**0.3**	<0.1	**0.1**	**0.3**	<0.1	**0.1**	**0.1**	**0.2**	**0.1**	<0.1	**0.3**	**0.2**
Ammonia as N	mg/L	**0.26**	**0.02**	**0.3**	**0.09**	**0.08**	**0.08**	**0.04**	**0.14**	**0.15**	**0.08**	**0.05**	**0.04**	**0.08**	**0.25**	**0.02**
Nitrite as N	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrate as N	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.07**	<0.01	<0.01	<0.01
Total Phosphorus as P	mg/L	<0.02	**0.03**	**0.03**	<0.02	**0.14**	<0.01	<0.01	<0.02	**0.5**	<0.02	**0.01**	<0.02	<0.01	<0.02	<0.01
Sulfide as S2-	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
C6 - C9 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
C6 - C10 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
>C10 - C40 Fraction (sum)	µg/L	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Sum of BTEX	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

	Sample Type:	REG	REG	REG	REG											
	Sample Date:	18/05/2026	18/05/2026	18/05/2026	18/05/2026											
	Client sample ID (1st):	C9180124SPR	C9180125SPR	Duplicate G	Duplicate H											
	Hydro-stratigraphic unit:	Joe Joe Group	Joe Joe Group													
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**6.51**	**8.49**	**6.67**	**7.41**											
Electrical Conductivity @ 25°C	µS/cm	**536**	**1020**	**2370**	**2640**											
Total Dissolved Solids @180°C	mg/L	**304**	**606**	**1300**	**1320**											
Total Alkalinity as CaCO3	mg/L	**20**	**312**	**39**	**126**											
Sulfate as SO4 - Turbidimetric	mg/L	**6**	<1	**31**	**57**											
Chloride	mg/L	**144**	**132**	**611**	**613**											
Calcium	mg/L	**3**	**10**	**27**	**17**											
Magnesium	mg/L	**3**	**4**	**30**	**14**											
Sodium	mg/L	**88**	**201**	**337**	**444**											
Potassium	mg/L	**4**	**4**	**12**	**10**											
Aluminium	mg/L	<0.01	<0.01	<0.01	<0.01											
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001											
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001											
Chromium	mg/L	**0.002**	<0.001	<0.001	<0.001											
Cobalt	mg/L	**0.002**	<0.001	**0.003**	<0.001											
Copper	mg/L	<0.001	<0.001	<0.001	<0.001											
Lead	mg/L	<0.001	<0.001	<0.001	<0.001											
Manganese	mg/L	**0.005**	**0.049**	**0.204**	**0.083**											
Molybdenum	mg/L	<0.001	<0.001	<0.001	<0.001											
Nickel	mg/L	**0.002**	<0.001	**0.002**	<0.001											
Selenium	mg/L	<0.004	<0.004	<0.004	<0.004											
Silver	mg/L	<0.001	<0.001	<0.001	<0.001											
Uranium	mg/L	<0.001	<0.001	<0.001	<0.001											
Vanadium	mg/L	<0.01	<0.01	<0.01	<0.01											
Zinc	mg/L	**0.039**	**0.078**	**0.011**	**0.009**											
Boron	mg/L	**0.11**	**0.26**	**0.17**	**0.41**											
Iron	mg/L	**0.57**	**0.13**	**2.23**	**0.76**											
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001											
Fluoride	mg/L	**0.1**	**0.6**	**0.3**	**0.6**											
Ammonia as N	mg/L	<0.01	**0.16**	**0.03**	**0.02**											
Nitrite as N	mg/L	<0.01	<0.01	<0.01	<0.01											
Nitrate as N	mg/L	**0.12**	<0.01	<0.01	<0.01											
Total Phosphorus as P	mg/L	<0.01	**0.03**	**0.02**	**0.03**											
Sulfide as S2-	mg/L	<0.10	<0.10	<0.10	<0.10											
C6 - C9 Fraction	µg/L	<20	<20	<20	<20											
C6 - C10 Fraction	µg/L	<20	<20	<20	<20											
>C10 - C40 Fraction (sum)	µg/L	<100	<100	<100	<100											
Sum of BTEX	µg/L	<1	<1	<1	<1											