Carmichael Coal Mine Project

Raw Laboratory Groundwater Quality data

October 2026

Sample Type:		REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
Sample Date:		08/10/2026	08/10/2026	08/10/2026	08/10/2026	08/10/2026	08/10/2026	08/10/2026	08/10/2026	08/10/2026	08/10/2026	08/10/2026	08/10/2026	08/10/2026	08/10/2026	09/10/2026
Client sample ID (1st):		C011P3	C012P1	C012P2	C018P2	C018P3	C022P1	C024P3	C19022SP	C975SP	Duplicate A	C016P2	C14020SP	C14033SP	C9553P1R	C014P2
Hydro-stratigraphic unit:		Colinlea Sandstone	Joe Joe Group	Joe Joe Group	Bandanna Formation	Colinlea Sandstone	Dunda Beds	Colinlea Sandstone	Weathered Tertiary	Colinlea Sandstone		Bandanna Formation	Moolayember	Clematis Sandstone	Rewan Formation	Bandanna Formation
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**8.04**	**6.88**	**7.94**	**7.73**	**7.66**	**6.35**	**6.81**	**7.02**	**6.52**	**7.69**	**8.2**	**6.79**	**6.28**	**6.75**	**8.15**
Electrical Conductivity @ 25°C	µS/cm	**909**	**2020**	**2730**	**2180**	**999**	**277**	**1420**	**52900**	**608**	**1010**	**3020**	**1560**	**381**	**369**	**1970**
Total Dissolved Solids @180°C	mg/L	**564**	**1220**	**1580**	**1320**	**572**	**184**	**830**	**43800**	**352**	**556**	**1730**	**902**	**232**	**265**	**1110**
Total Alkalinity as CaCO3	mg/L	**217**	**80**	**283**	**250**	**178**	**20**	**111**	**236**	**40**	**177**	**181**	**39**	**13**	**44**	**319**
Sulfate as SO4 - Turbidimetric	mg/L	<1	**46**	**36**	**10**	**12**	**5**	**15**	**2400**	**23**	**13**	**39**	**53**	**3**	**9**	<1
Chloride	mg/L	**164**	**544**	**637**	**512**	**194**	**65**	**366**	**19600**	**148**	**201**	**754**	**410**	**95**	**75**	**450**
Calcium	mg/L	**21**	**27**	**74**	**47**	**23**	**1**	**12**	**2250**	**3**	**22**	**84**	**6**	**2**	<1	**12**
Magnesium	mg/L	**4**	**31**	**27**	**33**	**5**	**3**	**24**	**1240**	**6**	**6**	**15**	**42**	**9**	**5**	**5**
Sodium	mg/L	**156**	**308**	**387**	**305**	**165**	**44**	**216**	**8320**	**102**	**171**	**426**	**215**	**46**	**61**	**427**
Potassium	mg/L	**8**	**10**	**13**	**17**	**9**	**2**	**9**	**24**	**5**	**9**	**11**	**23**	**9**	**2**	**13**
Aluminium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	**0.02**	<0.01	<0.01	<0.01	**0.04**
Arsenic	mg/L	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	**0.002**	**0.011**	<0.001	<0.001	<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	<0.0005	<0.0001	<0.0001	<0.0001	**0.0008**	<0.0001	<0.0001	<0.0001
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<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	**0.008**	<0.001	<0.005	<0.001	<0.001	<0.001	**0.001**	**0.002**	<0.001	<0.001
Copper	mg/L	**0.003**	<0.001	<0.001	<0.001	<0.001	**0.003**	<0.001	<0.005	**0.001**	<0.001	<0.001	**0.006**	**0.015**	<0.001	<0.001
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	mg/L	**0.027**	**0.012**	**0.146**	**0.055**	**0.044**	**0.005**	**0.122**	**2.07**	**0.023**	**0.044**	**0.072**	**0.001**	**0.004**	**0.058**	**0.005**
Molybdenum	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.007**
Nickel	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	**0.001**	**0.006**	<0.005	<0.001	<0.001	**0.001**	**0.005**	**0.002**	<0.001	<0.001
Selenium	mg/L	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.020	<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	<0.005	<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	**0.009**	<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	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	mg/L	<0.005	**0.005**	<0.005	<0.005	<0.005	**0.011**	**0.009**	<0.025	**0.01**	<0.005	<0.005	**0.041**	**0.018**	**0.005**	<0.005
Boron	mg/L	**0.42**	**0.4**	**0.42**	**0.54**	**0.31**	**0.13**	**0.31**	**3.83**	**0.13**	**0.33**	**0.34**	**0.32**	**0.09**	**0.13**	**0.32**
Iron	mg/L	**0.34**	<0.05	**0.24**	**0.34**	**0.73**	<0.05	**11.9**	**12.3**	<0.05	**0.74**	**0.12**	<0.05	<0.05	**0.71**	**0.06**
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Fluoride	mg/L	**1.2**	**0.2**	**0.3**	**0.4**	**1.1**	<0.1	**0.4**	**0.3**	**0.2**	**1.1**	**0.2**	**0.2**	<0.1	**0.2**	**1.2**
Ammonia as N	mg/L	**0.45**	**0.02**	**0.06**	**0.03**	**0.13**	**0.02**	**0.23**	**0.1**	<0.01	**0.35**	**1.96**	<0.01	**0.04**	**0.08**	**1.05**
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	<0.01	<0.01	**0.12**	<0.01	<0.01	**0.06**	<0.01	<0.01	<0.01	**0.5**	<0.01	<0.01
Total Phosphorus as P	mg/L	**0.04**	**0.18**	**0.03**	**0.11**	**0.03**	**0.01**	**0.13**	**0.03**	**0.03**	**0.05**	**0.09**	**0.02**	**0.04**	**0.04**	<0.01
Sulfide as S2-	mg/L	<0.10	<0.10	**1.14**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**2.43**	<0.10	<0.10	**0.25**	**0.52**
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:		10/10/2026	10/10/2026	11/10/2026	11/10/2026	11/10/2026	11/10/2026	11/10/2026	11/10/2026	09/10/2026	09/10/2026	09/10/2026	10/10/2026	11/10/2026	10/10/2026	11/10/2026
Client sample ID (1st):		C027P1	C027P2	C032P2	C034P3	C035P1	C035P2	C14006SP	C14008SP	C14011SP	C14012SP	C14013SP	C14015SP	C14016SP	C14017SP	C14024SP
Hydro-stratigraphic unit:		Alluvium	Dunda Beds	Bandanna Formation	Colinlea Sandstone	Rewan Formation	Bandanna Formation	Joe Joe Group	Joe Joe Group	Clematis Sandstone	Clematis Sandstone	Clematis Sandstone	Joe Joe Group	Joe Joe Group	Joe Joe Group	Composite Bore (Clematis / Dunda)
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**6.94**	**6.31**	**8.06**	**6.58**	**6.88**	**6.76**	**6.68**	**6.11**	**5.85**	**7.17**	**5.32**	**6.73**	**7.55**	**7.23**	**6.61**
Electrical Conductivity @ 25°C	µS/cm	**1040**	**580**	**1210**	**1660**	**3910**	**1480**	**9310**	**614**	**274**	**486**	**408**	**2580**	**3000**	**6050**	**494**
Total Dissolved Solids @180°C	mg/L	**604**	**439**	**694**	**926**	**2210**	**828**	**5200**	**342**	**161**	**268**	**235**	**1380**	**1600**	**3340**	**272**
Total Alkalinity as CaCO3	mg/L	**63**	**48**	**343**	**97**	**153**	**112**	**125**	**30**	**21**	**132**	**5**	**123**	**165**	**250**	**68**
Sulfate as SO4 - Turbidimetric	mg/L	**34**	**8**	<1	**22**	**48**	**21**	**211**	**15**	**5**	**6**	**11**	**63**	**67**	**45**	**10**
Chloride	mg/L	**262**	**152**	**201**	**458**	**997**	**396**	**2630**	**171**	**56**	**63**	**102**	**617**	**704**	**1530**	**99**
Calcium	mg/L	**6**	**1**	**11**	**22**	**15**	**11**	**189**	**7**	**8**	**3**	**1**	**16**	**40**	**110**	**2**
Magnesium	mg/L	**12**	**3**	**3**	**11**	**14**	**7**	**85**	**6**	**5**	**2**	**10**	**14**	**12**	**54**	**6**
Sodium	mg/L	**189**	**116**	**275**	**312**	**734**	**286**	**1510**	**116**	**37**	**100**	**57**	**452**	**504**	**933**	**85**
Potassium	mg/L	**14**	**7**	**4**	**12**	**5**	**6**	**23**	**6**	**3**	**8**	**7**	**9**	**8**	**16**	**8**
Aluminium	mg/L	<0.01	**0.06**	<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
Arsenic	mg/L	<0.001	**0.001**	**0.005**	<0.001	**0.002**	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.006**	**0.002**	<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	<0.001	**0.008**	**0.002**	<0.001	**0.004**	<0.001	<0.001	<0.001	<0.001
Copper	mg/L	**0.004**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**	**0.003**	**0.002**	<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	**0.003**	**0.057**	**0.028**	**0.242**	**0.115**	**0.103**	**0.429**	**0.058**	**0.014**	**0.002**	**0.018**	**0.077**	**0.198**	**0.725**	**0.114**
Molybdenum	mg/L	<0.001	<0.001	**0.008**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.003**	**0.003**	<0.001
Nickel	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.012**	**0.003**	<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	<0.001	<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	**0.008**	**0.017**	<0.005	**0.07**	**0.011**	<0.005	**0.012**	**0.068**	**0.019**	<0.005	**0.039**	<0.005	**0.083**	**0.009**	<0.005
Boron	mg/L	**0.16**	**0.16**	**0.35**	**0.22**	**0.66**	**0.29**	**0.43**	**0.12**	**0.12**	**0.13**	**0.12**	**0.34**	**0.36**	**0.69**	**0.15**
Iron	mg/L	**0.09**	**2.4**	**0.12**	**3.17**	**0.21**	**0.35**	**8.08**	**1.2**	<0.05	<0.05	<0.05	**0.75**	**0.24**	**0.58**	**0.36**
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**	**0.2**	**1.2**	**0.3**	**0.7**	**0.3**	**0.9**	**0.2**	<0.1	**0.5**	<0.1	**0.6**	**0.8**	**1.2**	**0.2**
Ammonia as N	mg/L	**0.02**	**0.06**	**0.34**	**0.12**	**0.05**	<0.01	**0.48**	<0.01	**0.01**	**0.02**	**0.05**	<0.01	**0.25**	<0.01	<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	**0.17**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.4**	**0.02**	**0.61**	<0.01	<0.01	<0.01	<0.01
Total Phosphorus as P	mg/L	**0.05**	**0.04**	<0.01	**0.03**	<0.01	<0.01	<0.01	<0.01	<0.01	**0.06**	**0.01**	<0.01	<0.01	<0.01	**0.04**
Sulfide as S2-	mg/L	<0.50	<0.10	**0.17**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**0.1**
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:		11/10/2026	10/10/2026	10/10/2026	09/10/2026	09/10/2026	09/10/2026	09/10/2026	10/10/2026	09/10/2026	10/10/2026	09/10/2026	09/10/2026	09/10/2026	11/10/2026	11/10/2026
Client sample ID (1st):		C14029SP	C14031SP	C14032SP	C18001SP	C18002SP	C18003SP	C18010SP	C180119SP	C18011SP	C180122SP	C18012SP	C18013SP	C18014SP	C19003SP	C19004SP
Hydro-stratigraphic unit:		Composite Bore (Tertiary / Joe Joe)	Composite Bore (Tertiary / Joe Joe)	Joe Joe Group	Clematis Sandstone	Clematis Sandstone	Moolayember	Spring Discharge Clematis SSt	Joe Joe Group	Spring Discharge Clematis SSt	Composite Bore (Tertiary / Joe Joe)	Spring Discharge Clematis SSt	Spring Discharge Clematis SSt	Spring Discharge Clematis SSt	Colinlea Sandstone	Colinlea Sandstone
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**6.37**	**6.04**	**6.18**	**7.26**	**7.94**	**7.37**	**9.6**	**6.83**	**7.56**	**6.04**	**7.83**	**7.84**	**8.96**	**8.03**	**8.13**
Electrical Conductivity @ 25°C	µS/cm	**11100**	**6780**	**2370**	**668**	**386**	**482**	**794**	**766**	**610**	**8030**	**375**	**381**	**820**	**3460**	**3220**
Total Dissolved Solids @180°C	mg/L	**6270**	**3820**	**1370**	**361**	**266**	**258**	**466**	**452**	**338**	**4960**	**208**	**216**	**470**	**1840**	**1800**
Total Alkalinity as CaCO3	mg/L	**55**	**29**	**38**	**102**	**138**	**150**	**311**	**75**	**125**	**17**	**147**	**148**	**215**	**184**	**248**
Sulfate as SO4 - Turbidimetric	mg/L	**461**	**121**	**32**	**10**	<1	**10**	**3**	**5**	**4**	**80**	**1**	**1**	**10**	<1	<1
Chloride	mg/L	**3100**	**1930**	**621**	**137**	**29**	**48**	**58**	**185**	**117**	**2350**	**35**	**27**	**126**	**857**	**757**
Calcium	mg/L	**198**	**88**	**26**	**4**	**1**	**3**	**4**	**6**	**2**	**105**	**1**	**1**	**9**	**66**	**49**
Magnesium	mg/L	**145**	**102**	**30**	**1**	<1	**2**	**1**	**5**	<1	**112**	<1	<1	**34**	**11**	**5**
Sodium	mg/L	**1710**	**993**	**348**	**125**	**80**	**95**	**165**	**142**	**125**	**1210**	**80**	**84**	**105**	**535**	**566**
Potassium	mg/L	**11**	**15**	**12**	**16**	**12**	**15**	**20**	**4**	**12**	**19**	**12**	**12**	**16**	**11**	**8**
Aluminium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.02**	<0.01	<0.01	<0.01	**0.02**	<0.01	<0.01	<0.01	<0.01
Arsenic	mg/L	<0.001	<0.001	<0.001	**0.002**	<0.001	**0.002**	**0.002**	<0.001	**0.002**	<0.001	<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	**0.004**	<0.001	**0.003**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.003**	<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	**0.012**	**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	**0.056**	**0.108**	**0.26**	**0.015**	**0.131**	**0.484**	**0.001**	**0.041**	**0.004**	**0.247**	**0.021**	**0.011**	<0.001	**0.085**	**0.082**
Molybdenum	mg/L	<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	<0.001
Nickel	mg/L	**0.009**	**0.001**	**0.002**	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.004**	<0.001	<0.001	**0.003**	<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**	**0.006**	**0.011**	**0.058**	<0.005	**0.012**	<0.005	**1.26**	<0.005	**0.025**	<0.005	<0.005	<0.005	<0.005	<0.005
Boron	mg/L	**1.56**	**0.44**	**0.18**	**0.13**	**0.07**	**0.11**	**0.09**	**0.13**	**0.11**	**0.43**	**0.08**	**0.08**	**0.1**	**0.4**	**0.45**
Iron	mg/L	**0.82**	**0.85**	**2.55**	**1.62**	<0.05	**0.4**	**0.06**	**11.2**	**0.52**	**1.15**	**1.21**	**0.1**	<0.05	**1.93**	**1.81**
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	**0.1**	**0.1**	**0.4**	**0.3**	**0.5**	**0.6**	**0.2**	**0.2**	**0.2**	<0.1	**0.5**	**0.5**	<0.1	**2.4**	**3.3**
Ammonia as N	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.04**	**0.05**	<0.01	**0.02**	**0.07**	**0.05**	**0.08**	**0.74**
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**	**0.04**	<0.01	**0.01**	<0.01	<0.01	**0.03**	**0.05**	<0.01	<0.01
Total Phosphorus as P	mg/L	<0.01	<0.01	<0.01	**0.04**	**0.17**	**0.05**	**0.15**	<0.01	**0.02**	<0.01	**0.05**	**0.01**	**0.01**	<0.01	**0.02**
Sulfide as S2-	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**0.16**	<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:		09/10/2026	09/10/2026	09/10/2026	09/10/2026	11/10/2026	09/10/2026	11/10/2026	11/10/2026	11/10/2026	11/10/2026	11/10/2026	10/10/2026	10/10/2026	10/10/2026	09/10/2026
Client sample ID (1st):		C19007SP	C19008SP	C19014SP	C19015SP	C19028SP	C555P1	C556P1	C833SP	C847SP	C848SP	C914030SPR	C9180121SPR	C9180124SPR	C9180125SPR	C919016SPR
Hydro-stratigraphic unit:		Dunda Beds	Rewan Formation	Clematis Sandstone	Dunda Beds	Rewan Formation	Rewan Formation	Rewan Formation	Colinlea Sandstone	Bandanna Formation	Colinlea Sandstone	Joe Joe Group	Tertiary	Joe Joe Group	Joe Joe Group	Rewan Formation
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**8.38**	**8.49**	**8.39**	**8.19**	**7.52**	**7.57**	**6.32**	**7.97**	**6.38**	**7.01**	**6.55**	**6.46**	**6.28**	**8.38**	**8.61**
Electrical Conductivity @ 25°C	µS/cm	**836**	**944**	**643**	**702**	**6310**	**788**	**237**	**1040**	**351**	**3220**	**570**	**3920**	**508**	**932**	**770**
Total Dissolved Solids @180°C	mg/L	**474**	**542**	**361**	**437**	**3480**	**456**	**156**	**634**	**261**	**1780**	**315**	**2180**	**295**	**530**	**436**
Total Alkalinity as CaCO3	mg/L	**153**	**160**	**151**	**144**	**305**	**133**	**28**	**230**	**21**	**209**	**30**	**29**	**17**	**298**	**206**
Sulfate as SO4 - Turbidimetric	mg/L	**9**	<1	<1	<1	**207**	<1	**10**	<1	**8**	**20**	**13**	**90**	**7**	<1	<1
Chloride	mg/L	**166**	**197**	**106**	**128**	**1540**	**167**	**47**	**188**	**84**	**774**	**147**	**1010**	**128**	**115**	**113**
Calcium	mg/L	**4**	**6**	**2**	**3**	**17**	**6**	<1	**11**	<1	**25**	**5**	**32**	**2**	**10**	**3**
Magnesium	mg/L	<1	<1	<1	<1	**52**	**7**	**1**	**4**	**2**	**24**	**5**	**45**	**3**	**4**	<1
Sodium	mg/L	**177**	**202**	**138**	**149**	**1160**	**151**	**45**	**174**	**62**	**514**	**93**	**575**	**87**	**192**	**158**
Potassium	mg/L	**5**	**5**	**8**	**5**	**13**	**8**	**2**	**18**	**2**	**16**	**5**	**10**	**4**	**4**	**3**
Aluminium	mg/L	**0.03**	**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	**0.01**
Arsenic	mg/L	<0.001	**0.002**	<0.001	<0.001	**0.006**	**0.003**	<0.001	<0.001	<0.001	<0.001	<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	**0.002**	<0.001	<0.001
Cobalt	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	**0.008**	<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	**0.003**	<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	**0.037**	**0.031**	**0.018**	**0.038**	**0.164**	**0.149**	**0.031**	**0.076**	<0.001	**0.299**	**0.134**	**0.006**	**0.005**	**0.05**	**0.024**
Molybdenum	mg/L	**0.013**	**0.004**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.008**
Nickel	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001	<0.001	<0.001	**0.012**	<0.001	**0.003**	<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	<0.005	**0.005**	<0.005	<0.005	**0.008**	**0.006**	**0.006**	<0.005	**0.017**	**0.014**	**0.04**	**0.034**	**0.035**	**0.051**	<0.005
Boron	mg/L	**0.08**	**0.17**	**0.09**	**0.1**	**1.1**	**0.27**	**0.12**	**0.17**	**0.11**	**0.19**	**0.1**	**0.28**	**0.1**	**0.24**	**0.06**
Iron	mg/L	<0.05	<0.05	**0.29**	**0.06**	**0.45**	**1.98**	**0.74**	**0.29**	<0.05	**1.62**	**0.54**	**1.8**	**0.54**	**0.16**	<0.05
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**	**0.4**	**0.4**	**1.1**	**0.6**	**0.2**	**1.5**	**0.1**	**0.3**	**0.2**	<0.1	**0.1**	**0.6**	**0.3**
Ammonia as N	mg/L	**0.23**	**0.23**	**0.18**	**0.18**	**0.38**	**0.08**	**0.02**	**0.77**	<0.01	**0.07**	**0.01**	**0.04**	<0.01	<0.01	**0.27**
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	**0.07**	<0.01	<0.01	**0.17**	**0.09**	<0.01	<0.01
Total Phosphorus as P	mg/L	**0.01**	<0.01	**0.06**	**0.01**	<0.01	<0.01	<0.01	**0.02**	<0.01	**0.03**	**0.03**	<0.01	<0.01	<0.01	<0.01
Sulfide as S2-	mg/L	**0.41**	<0.10	<0.10	<0.10	**0.18**	<0.10	<0.10	**0.43**	<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:		11/10/2026	11/10/2026	11/10/2026	09/10/2026	09/10/2026	10/10/2026	10/10/2026	10/10/2026	11/10/2026	09/10/2026	11/10/2026	11/10/2026	10/10/2026	09/10/2026	12/10/2026
Client sample ID (1st):		C9838SPR	C9845SPR	C9849SPR	HD02	Joshua Spring	Mellaluka Spring	Duplicate C	Duplicate D	Duplicate E	Duplicate F	Field Blank A	Trip Blank A	C180120SP	Duplicate B	C025P2
Hydro-stratigraphic unit:		Rewan Formation	Tertiary	Colinlea Sandstone	Clematis Sandstone	Spring Discharge Clematis SSt	Spring Discharge Composite							Composite Bore (Tertiary / Joe Joe)		Tertiary
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**6.17**	**6.83**	**7.18**	**7.32**	**7.78**	**6.56**	**7.79**	**7.39**	**6.59**	**7.74**	**5.74**	----	**6.64**	**8.26**	**7.25**
Electrical Conductivity @ 25°C	µS/cm	**410**	**1970**	**3340**	**181**	**552**	**3650**	**556**	**2630**	**2390**	**6470**	<1	----	**9370**	**719**	**16300**
Total Dissolved Solids @180°C	mg/L	**235**	**1130**	**1860**	**130**	**310**	**2010**	**309**	**1450**	**1320**	**3560**	<10	----	**5180**	**397**	**9070**
Total Alkalinity as CaCO3	mg/L	**14**	**64**	**246**	**50**	**120**	**47**	**120**	**124**	**37**	**305**	<1	----	**47**	**145**	**412**
Sulfate as SO4 - Turbidimetric	mg/L	**7**	**48**	<1	<1	**8**	<1	**8**	**61**	**31**	**208**	<1	----	**160**	<1	**362**
Chloride	mg/L	**102**	**515**	**792**	**26**	**93**	**949**	**88**	**616**	**611**	**1540**	<1	----	**2570**	**122**	**4710**
Calcium	mg/L	**2**	**4**	**30**	**6**	**12**	**27**	**11**	**16**	**25**	**17**	<1	----	**95**	**2**	**123**
Magnesium	mg/L	**6**	**15**	**18**	**3**	**3**	**35**	**3**	**14**	**30**	**52**	<1	----	**136**	<1	**125**
Sodium	mg/L	**59**	**336**	**546**	**22**	**84**	**504**	**86**	**429**	**324**	**1130**	<1	----	**1300**	**139**	**2960**
Potassium	mg/L	**3**	**7**	**20**	**4**	**20**	**25**	**20**	**9**	**12**	**13**	<1	----	**29**	**5**	**60**
Aluminium	mg/L	<0.01	<0.01	<0.01	**0.03**	<0.01	**0.35**	<0.01	<0.01	<0.01	<0.01	<0.01	----	<0.01	<0.01	<0.01
Arsenic	mg/L	<0.001	<0.001	<0.001	**0.005**	<0.001	<0.001	<0.001	<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
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
Cobalt	mg/L	<0.001	<0.001	<0.001	**0.006**	<0.001	**0.01**	<0.001	<0.001	**0.003**	<0.001	<0.001	----	<0.001	<0.001	<0.001
Copper	mg/L	**0.004**	**0.007**	<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
Manganese	mg/L	**0.002**	**0.008**	**0.311**	**0.737**	**0.13**	**0.796**	**0.139**	**0.075**	**0.247**	**0.163**	<0.001	----	**0.154**	**0.039**	**1.37**
Molybdenum	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
Nickel	mg/L	**0.002**	<0.001	<0.001	<0.001	<0.001	**0.004**	<0.001	<0.001	**0.002**	<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
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
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
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
Zinc	mg/L	**0.006**	**0.018**	**0.011**	<0.005	<0.005	**0.006**	<0.005	<0.005	**0.01**	**0.008**	<0.005	----	**0.016**	<0.005	<0.005
Boron	mg/L	**0.11**	**0.23**	**0.2**	**0.06**	**0.09**	**0.17**	**0.1**	**0.37**	**0.17**	**1.13**	<0.05	----	**0.46**	**0.12**	**1.37**
Iron	mg/L	<0.05	<0.05	**2.97**	**3.52**	<0.05	**3.73**	<0.05	**0.72**	**2.47**	**0.45**	<0.05	----	**28.8**	**0.06**	**4.66**
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
Fluoride	mg/L	<0.1	**0.2**	**0.3**	<0.1	**0.5**	**0.3**	**0.5**	**0.6**	**0.3**	**1.1**	<0.1	----	<0.1	**0.4**	**0.5**
Ammonia as N	mg/L	<0.01	<0.01	**0.28**	**0.59**	**0.04**	**0.21**	**0.02**	**0.03**	<0.01	**0.01**	<0.01	----	<0.01	**0.13**	**0.21**
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
Nitrate as N	mg/L	**0.12**	**0.04**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	----	**0.02**	<0.01	<0.01
Total Phosphorus as P	mg/L	<0.01	<0.01	<0.01	**0.08**	<0.01	**0.51**	**0.03**	**0.05**	**0.02**	**0.11**	<0.01	----	**0.06**	**0.02**	**1.42**
Sulfide as S2-	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10	**0.11**	<0.10	----	<0.10	<0.10	<0.10
C6 - C9 Fraction	µg/L	<20	<20	<20	<20	<20	**30**	<20	<20	<20	<20	<20	<20	<20	<20	<20
C6 - C10 Fraction	µg/L	<20	<20	<20	<20	<20	**40**	<20	<20	<20	<20	<20	<20	<20	<20	<20
>C10 - C40 Fraction (sum)	µg/L	<100	<100	<100	<100	<100	**1340**	<100	<100	<100	<100	<100	----	<100	<100	<100
Sum of BTEX	µg/L	<1	<1	<1	<1	<1	**29**	<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:		12/10/2026	12/10/2026	12/10/2026	13/10/2026	13/10/2026	12/10/2026	12/10/2026	13/10/2026	13/10/2026	13/10/2026	13/10/2026	12/10/2026	12/10/2026	12/10/2026	12/10/2026
Client sample ID (1st):		C029P1	C029P2	C14002SP	C14003SP	C14004SP	C14027SP	C14028SP	C18004SP	C18005SP	C18006SP	C18009SP	C19001SP	C19010SP	C19011SP	C19012SP
Hydro-stratigraphic unit:		Alluvium	Tertiary	Joe Joe Group	Joe Joe Group	Joe Joe Group	Alluvium	Alluvium	Weathered Tertiary	Weathered Tertiary	Weathered Tertiary	Weathered Tertiary	Alluvium	Clematis Sandstone	Dunda Beds	Rewan Formation
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**7.61**	**7.2**	**7.21**	**6.35**	**7.4**	**7.07**	**7.27**	**7.05**	**6.96**	**7.11**	**7.63**	**7.94**	**8.46**	**8.49**	**10.8**
Electrical Conductivity @ 25°C	µS/cm	**30700**	**11700**	**12500**	**54300**	**55900**	**55100**	**47200**	**43700**	**56000**	**67400**	**29200**	**16700**	**644**	**820**	**2020**
Total Dissolved Solids @180°C	mg/L	**17700**	**6600**	**7300**	**46800**	**46200**	**38800**	**33400**	**30500**	**42100**	**50400**	**20100**	**9220**	**366**	**474**	**1340**
Total Alkalinity as CaCO3	mg/L	**1960**	**231**	**135**	**61**	**197**	**205**	**380**	**190**	**161**	**223**	**154**	**707**	**161**	**142**	**230**
Sulfate as SO4 - Turbidimetric	mg/L	**663**	**221**	**322**	**2440**	**1920**	**2250**	**1810**	**588**	**2270**	**2790**	**629**	**390**	<1	<1	**39**
Chloride	mg/L	**8050**	**3450**	**3660**	**22800**	**19500**	**19400**	**15300**	**15800**	**19300**	**23200**	**8420**	**4460**	**95**	**159**	**450**
Calcium	mg/L	**28**	**62**	**278**	**2410**	**2810**	**903**	**762**	**3140**	**2440**	**2240**	**1410**	**103**	**2**	**3**	**19**
Magnesium	mg/L	**249**	**93**	**110**	**1440**	**1230**	**1220**	**1020**	**1250**	**1220**	**1470**	**544**	**130**	<1	<1	<1
Sodium	mg/L	**6150**	**2070**	**2010**	**8200**	**8550**	**9880**	**8430**	**4620**	**8970**	**11000**	**3070**	**3000**	**137**	**171**	**375**
Potassium	mg/L	**196**	**54**	**30**	**31**	**43**	**125**	**127**	**19**	**17**	**28**	**20**	**58**	**6**	**5**	**12**
Aluminium	mg/L	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	**0.46**
Arsenic	mg/L	<0.005	**0.006**	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	**0.005**	<0.005	<0.001	**0.009**	<0.001	<0.001	**0.016**
Cadmium	mg/L	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chromium	mg/L	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	**0.027**	<0.005	**0.006**	**0.001**	<0.001	<0.001	<0.001
Cobalt	mg/L	<0.005	<0.001	<0.001	**0.025**	<0.005	**0.009**	**0.006**	<0.005	**0.015**	**0.009**	<0.001	**0.009**	<0.001	<0.001	<0.001
Copper	mg/L	<0.005	<0.001	<0.001	<0.005	<0.005	**0.012**	**0.016**	<0.005	<0.005	<0.005	**0.014**	**0.001**	<0.001	<0.001	<0.001
Lead	mg/L	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	mg/L	**0.219**	**0.143**	**1**	**2.75**	**7.13**	**1.29**	**4.14**	**0.396**	**3.03**	**1.48**	**0.003**	**0.419**	**0.003**	**0.045**	<0.001
Molybdenum	mg/L	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	**0.008**	<0.005	**0.012**	**0.009**	<0.001	**0.003**	**0.039**
Nickel	mg/L	<0.005	<0.001	**0.002**	**0.029**	<0.005	**0.01**	<0.005	**0.007**	**0.382**	**0.014**	**0.029**	**0.004**	<0.001	<0.001	**0.002**
Selenium	mg/L	<0.020	<0.004	<0.004	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	mg/L	<0.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium	mg/L	**0.043**	<0.001	<0.001	<0.005	<0.005	<0.005	**0.048**	**0.012**	**0.026**	**0.024**	**0.039**	**0.046**	<0.001	<0.001	<0.001
Vanadium	mg/L	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	mg/L	<0.025	**0.019**	**0.006**	**0.056**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**0.019**	<0.005	<0.005	**0.009**	<0.005
Boron	mg/L	**3.94**	**1.02**	**0.84**	**3.07**	**0.66**	**2.68**	**2.61**	**1.27**	**4.26**	**5.1**	**1.23**	**1.32**	**0.12**	**0.07**	**0.13**
Iron	mg/L	<0.05	**1.34**	**2.03**	**21**	**2.17**	**2.78**	**0.49**	**0.92**	**3.53**	**3.02**	<0.05	**0.08**	**0.07**	<0.05	<0.05
Mercury	mg/L	<0.0005	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	**0.0001**
Fluoride	mg/L	**1.3**	**0.4**	**0.2**	**0.1**	**0.1**	**0.2**	**0.3**	**0.1**	<0.1	**0.1**	**0.7**	**0.6**	**0.4**	**0.3**	**0.8**
Ammonia as N	mg/L	**0.15**	<0.01	**0.32**	**0.21**	**0.71**	**0.09**	**0.08**	<0.01	**0.13**	**0.03**	**0.1**	**0.03**	**0.13**	**0.2**	**1.63**
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	**0.31**	**0.01**	<0.01	<0.01	<0.01
Total Phosphorus as P	mg/L	**3.41**	**1.85**	**1.81**	**0.54**	<0.02	**0.2**	**0.39**	**3.22**	**4.49**	**0.37**	**0.41**	**0.45**	**0.81**	**0.42**	**0.33**
Sulfide as S2-	mg/L	**1.89**	<0.10	<0.10	<0.10	<0.10	<0.10	**0.82**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**22.6**
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	**110**
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												
Sample Date:		12/10/2026	12/10/2026	12/10/2026	12/10/2026	12/10/2026	13/10/2026	13/10/2026	13/10/2026							
Client sample ID (1st):		C914001SPR	HD03A	HD03B	Duplicate G	Duplicate H	Duplicate I	Field Blank	Trip Blank B							
Hydro-stratigraphic unit:		Joe Joe Group	Clematis Sandstone	Alluvium												
Analyte grouping/Analyte	**Unit**															
pH Value	pH Unit	**7.05**	**7.86**	**7.85**	**8.48**	**8.47**	**7.6**	**5.96**	----							
Electrical Conductivity @ 25°C	µS/cm	**25000**	**735**	**754**	**646**	**785**	**56800**	**3**	----							
Total Dissolved Solids @180°C	mg/L	**15900**	**406**	**415**	**357**	**448**	**46100**	<10	----							
Total Alkalinity as CaCO3	mg/L	**267**	**114**	**119**	**161**	**142**	**198**	**4**	----							
Sulfate as SO4 - Turbidimetric	mg/L	**835**	**14**	**9**	<1	<1	**1870**	<1	----							
Chloride	mg/L	**6830**	**146**	**148**	**90**	**152**	**19700**	<1	----							
Calcium	mg/L	**789**	**3**	**3**	**2**	**3**	**2720**	<1	----							
Magnesium	mg/L	**412**	**2**	**2**	<1	<1	**1310**	<1	----							
Sodium	mg/L	**3400**	**139**	**143**	**135**	**163**	**8840**	<1	----							
Potassium	mg/L	**65**	**14**	**16**	**6**	**4**	**41**	<1	----							
Aluminium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	----							
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	----							
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	----							
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	----							
Cobalt	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	----							
Copper	mg/L	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	----							
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	----							
Manganese	mg/L	**0.863**	**0.393**	**0.23**	**0.002**	**0.044**	**7.14**	<0.001	----							
Molybdenum	mg/L	<0.001	<0.001	<0.001	<0.001	**0.003**	<0.005	<0.001	----							
Nickel	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	----							
Selenium	mg/L	<0.004	<0.004	<0.004	<0.004	<0.004	<0.020	<0.004	----							
Silver	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	----							
Uranium	mg/L	**0.003**	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	----							
Vanadium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	----							
Zinc	mg/L	**0.09**	**0.017**	<0.005	<0.005	**0.009**	<0.025	<0.005	----							
Boron	mg/L	**1.63**	**0.14**	**0.14**	**0.09**	<0.05	**0.51**	<0.05	----							
Iron	mg/L	**2.24**	**0.68**	**0.27**	**0.07**	<0.05	**2.15**	<0.05	----							
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	----							
Fluoride	mg/L	**0.2**	**0.2**	**0.3**	**0.4**	**0.4**	<0.2	<0.1	----							
Ammonia as N	mg/L	**0.25**	**0.15**	<0.01	**0.14**	**0.18**	**0.64**	<0.01	----							
Nitrite as N	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	----							
Nitrate as N	mg/L	<0.01	<0.01	**0.03**	**0.01**	<0.01	**0.01**	<0.01	----							
Total Phosphorus as P	mg/L	**2.16**	**0.7**	**0.58**	**0.83**	**0.42**	<0.02	<0.01	----							
Sulfide as S2-	mg/L	<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							
C6 - C10 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20							
>C10 - C40 Fraction (sum)	µg/L	<100	<100	<100	<100	<100	<100	<100	----							
Sum of BTEX	µg/L	<1	<1	<1	<1	<1	<1	<1	<1							