

	Ca	K	Na	SO ₄	Cl	Mg	Si	PO ₄	NO ₃	Mn	Fe	δ ² H	
Rainfall	0.11 (0.05–0.2)	0.1 (0.1–0.1)	0.04 (0.04–0.17)	0.31 (0.12–0.55)	0.05 (0.02–0.15)	0.02 (0.01–0.03)	0.1 (0.1–0.1)	0.07 (0.07–0.07)	0.6 (0.28–1.17)	0 (0–0)	0.01 (0.01–0.01)	−72.8 (−91.34–−38.45)	E2
Lan Streamflow	67.63 (67.28–69.51)	1 (0.88–1.03)	18.59 (16.07–18.89)	22.7 (20.62–24.07)	0.95 (0.91–1)	7.16 (6.1–7.61)	2.19 (1.91–2.35)	0.07 (0.07–0.07)	0.38 (0.27–0.42)	0 (0–0)	0.02 (0.01–0.03)	−71.7 (−72.89–−70.74)	Lan spatial
	63.57 (62.83–64.99)	0.81 (0.73–0.89)	13.65 (10.38–15.36)	18.6 (13.78–19.84)	0.95 (0.7–1.02)	5.43 (4.8–5.87)	1.65 (1.51–1.76)	0.07 (0.07–0.07)	0.4 (0.36–0.46)	0 (0–0)	0.04 (0.03–0.05)	−70.7 (−71.6–−69.17)	L1 baseflow
	47.16 (28.99–62.08)	0.81 (0.7–1.04)	3.19 (1.15–11.72)	9.6 (4.81–17.03)	0.64 (0.43–0.96)	2.82 (1.52–4.79)	0.96 (0.7–1.48)	0.07 (0.07–0.07)	0.77 (0.46–1.12)	0 (0–0)	0.07 (0.04–0.08)	−66.08 (−70.49–−62.02)	L1 all samples
Lan Groundwater	83.63 (77.48–85.3)	1.43 (1.35–1.5)	73.12 (59.02–95.38)	105.44 (42.64–149.85)	4.99 (3.5–5.98)	13.47 (11.81–14.59)	2.04 (1.58–2.13)	0.07 (0.07–0.07)	0.11 (0.1–0.11)	0.46 (0.29–0.53)	0.01 (0.01–0.01)	−74.6 (−76.35–−73.1)	LGW3
	85.78 (79.34–92.83)	0.86 (0.58–1.11)	33.25 (31.85–51.38)	11.48 (10.49–15.24)	0.62 (0.51–0.91)	5.67 (5.26–6.13)	2.05 (1.79–2.25)	0.07 (0.07–0.07)	0.07 (0.03–0.14)	0.41 (0.33–0.48)	0.01 (0.01–0.02)	−73.8 (−76.55–−71.89)	LGW2
	101.59 (98.24–108.18)	0.33 (0.24–0.36)	3.65 (3.24–4.09)	0.44 (0.38–0.54)	0.12 (0.1–0.23)	4.48 (4.02–4.76)	1.55 (1.44–1.62)	0.07 (0.07–0.07)	0.02 (0.02–0.05)	0.57 (0.56–0.6)	0.07 (0.02–0.53)	−78.98 (−79.43–−77.95)	LGW1
Lan Soil water	60.67 (49.59–68.68)	0.62 (0.48–0.78)	2.81 (2.65–2.96)	9.16 (2.13–16.03)	0.18 (0.14–0.21)	39.48 (38.08–44.58)	41.26 (39.27–43.06)	0.12 (0.07–0.33)	0.04 (0.02–0.06)	0 (0–0)	0.01 (0.01–0.01)	−77.1 (−78.35–−76.3)	LGW3
	131.86 (122.49–140.38)	0.3 (0.24–0.34)	4.07 (3.89–4.23)	0.16 (0.14–0.21)	0.12 (0.09–0.17)	22.92 (19.69–40.05)	36.11 (33.84–47.94)	0.07 (0.07–0.14)	0.03 (0.02–0.05)	1.22 (0.39–1.51)	0.01 (0.01–0.03)	−74.14 (−75.05–−73.42)	LGW2
	119.65 (104.61–154.39)	0.25 (0.1–0.33)	1.56 (1.5–1.64)	0.25 (0.23–0.35)	0.15 (0.1–0.22)	34.6 (31.15–47.67)	53.36 (47.31–60.14)	0.53 (0.32–0.6)	0.02 (0.02–0.03)	0.88 (0.03–1.59)	0.01 (0.01–0.03)	−78.64 (−80.3–−75.7)	LGW1
Cha Streamflow	65.25 (63.71–67.97)	0.38 (0.32–0.48)	1.1 (1–2.24)	5.91 (2.97–7.91)	0.26 (0.2–0.37)	2.82 (2.2–3.74)	1.33 (1.22–1.47)	0.07 (0.07–0.07)	0.42 (0.09–0.5)	0 (0–0.01)	0.01 (0.01–0.01)	−75.35 (−76.9–−74.12)	Cha spatial
	63.08 (61.69–65.03)	0.62 (0.51–0.91)	1.65 (1.56–1.74)	6.92 (6.66–7.36)	0.48 (0.39–0.6)	3.1 (3.01–3.21)	1.32 (1.3–1.34)	0.07 (0.07–0.07)	0.39 (0.31–0.42)	0 (0–0.01)	0.01 (0.01–0.01)	−74.1 (−74.7–−72.5)	CB1 baseflow
	56.6 (44.74–63.09)	1.18 (0.73–1.65)	1.34 (1–1.63)	5.31 (3.38–6.68)	0.58 (0.44–0.87)	2.65 (1.98–3.1)	1.25 (1.05–1.33)	0.07 (0.07–0.07)	0.29 (0.22–0.39)	0 (0–0.01)	0.04 (0.02–0.08)	−72.2 (−73.9–−70.1)	CB1 all samples
Cha Groundwater	20.13 (18.49–22.41)	0.1 (0.1–0.1)	0.79 (0.59–0.94)	1.17 (0.9–1.46)	0.32 (0.25–0.6)	0.39 (0.36–0.42)	1.32 (1.21–1.41)	0.07 (0.07–0.07)	0.17 (0.07–0.23)	0 (0–0.01)	0.02 (0.02–0.04)	−68.64 (−70.33–−67.75)	CBGW2
	32.95 (23.43–34.55)	0.1 (0.1–0.1)	1.52 (1.46–3.72)	0.41 (0.3–0.69)	0.16 (0.06–0.24)	0.75 (0.71–0.8)	1.63 (1.57–1.68)	0.07 (0.07–0.07)	0.02 (0.02–0.06)	0.47 (0.17–0.51)	0.33 (0.03–0.47)	−81.4 (−82.06–−79.35)	CBGW1
Cha Soil water	75.48 (72.8–86.81)	0.2 (0.1–0.26)	0.5 (0.48–0.58)	0.67 (0.56–0.72)	0.3 (0.15–0.37)	48.87 (33.75–96.1)	56.34 (52.11–63.69)	0.84 (0.65–0.94)	0.18 (0.1–0.23)	0 (0–0)	0.01 (0.01–0.01)	−64.72 (−65.67–−64.17)	CBGW2
	61.19 (56.87–63.51)	0.1 (0.1–0.2)	1.18 (1.11–1.29)	0.18 (0.15–0.21)	0.17 (0.12–0.22)	35.48 (33.65–40.88)	53.12 (50.74–57.99)	0.44 (0.38–0.53)	0.02 (0.02–0.05)	0 (0–0.02)	0.01 (0.01–0.01)	−81.95 (−83.47–−78.7)	CBGW1