Supplemental Data File
Accompanying Matheson et al. (2018) -
Shallow Groundwater Salinization of the Niagara Peninsula, Ontario, Canada

All other geochemical data used in this study is available in the referenced publications, predominantly Hamilton (2011, 2015).

Table S1-S1. Measured $\delta^{34}S_{SO4}$ values. The data collection methodology is present in section 'Laboratory Analysis'. Sample IDs are the same as initial sampling by Hamilton et al. (2011), see Hamilton (2015) for complete geochemical datasets.

Sample ID	$\delta^{34}S$ (‰)	Aquifer Type	Easting (17N NAD83 ±500 m)	Northing (17N NAD83 ±500 m)
07-AG-053	44.4	Abandoned Gas Well	566310	4740040
07-AG-502	34.74	Abandoned Gas Well	644840	4757900
09-AG-281	27.05	Abandoned Gas Well	612580	4764490
09-AG-282	32.93	Abandoned Gas Well	517460	4722600
10-AG-002	8.95	Bedrock	609070	4757280
10-AG-003	24.28	Bedrock	595200	4753700
10-AG-008	17.28	Overburden	612830	4758310
10-AG-010	32.40	Bedrock	613770	4763890
10-AG-013	34.97	Bedrock	654010	4763150
10-AG-015	32.69	Overburden	656870	4756990
10-AG-016	19.90	Bedrock	657080	4752420
10-AG-023	6.22	Bedrock	596330	4748120
10-AG-025	5.73	Bedrock	644240	4751760
10-AG-031	35.91	Overburden	629480	4761080
10-AG-033	33.19	Bedrock	628440	4763600
10-AG-037	24.41	Bedrock	577730	4749750
10-AG-041	35.49	Overburden	638360	4763950
10-AG-042	35.80	Bedrock	637770	4763010
10-AG-043	23.51	Bedrock	603420	4763120
10-AG-046	22.63	Bedrock	593400	4764430
10-AG-053	33.32	Overburden	631470	4756150
10-AG-054	28.14	Bedrock	631230	4752570
10-AG-065	35.07	Bedrock	633620	4770580
10-AG-066	18.57	Overburden	633300	4778180
10-AG-067	15.61	Bedrock	627360	4777870
10-AG-068	14.27	Bedrock	650180	4771830
10-AG-078	19.16	Overburden	614860	4748890
10-AG-085	40.44	Bedrock	590720	4779590
10-AG-087	14.95	Bedrock	602240	4780460
10-AG-088	18.25	Bedrock	613550	4781350
10-AG-096	14.33	Bedrock	621690	4781350
10-AG-097	13.47	Bedrock	617680	4775260
10-AG-100	7.39	Bedrock	615290	4771670
10-AG-108	13.77	Bedrock	654960	4782750
10-AG-111	8.04	Bedrock	649260	4773260

References

Hamilton, S.M., 2011. Ambient groundwater geochemistry data for southwestern Ontario, 2007-2010; Ontario Geological Survey, Miscellaneous Release—Data 283.

Hamilton, S.M., 2015. Ambient groundwater geochemistry data for southern Ontario, 2007–2014. Ontario Geological Survey, Miscellaneous Release—Data 283–Revised.

Hamilton, S.M., Matheson, E.J., Freckelton, C.N., Burke, H., 2011. Ambient groundwater geochemistry of the Aurora – Orillia map area of southcentral Ontario. In: R.M. Easton, O.M. Burnham, B.R. Berger, G.P. Beakhouse, A.F. Bajc, J.R. Parker, R.I. Kelly, E.J. Debicki (Eds) *Summary of Fieldwork and Other Activities 2011*. Ontario Geological Survey, Open File Report 6270, 32-1 to 32-11.