

Appendix A - Equipment, Parts, Supplies and Services for the City of Hamilton Environmental Laboratory

Vendor Name	Original Equipment Manufacturer (OEM)	Provider for Service	Distributor for Equipment, Parts and Supplies	(OEM) Description of Goods and/or Service Supplied	Provider for Service	Distributor for Equipment, Parts and Supplies	Est. Annual Spend 2023	Annual Spent 2022	Annual Spent 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	
Agilent Technologies Canada, Inc.	x	x	x	Original Equipment Manufacturer- Instruments, parts, supplies and service for trace metal (Agilent 5900 ICPOES and Agilent 7900 ICPMS) and trace organic analysis (Agilent GC/MSD System, Tekmar Purge and Trap auto sampler with Agilent GC/MSD System, Agilent GC/MS/MS System, SPME PAL Autosampler with GC/MSD System).	Sole Original Equipment Manufacturer - Preventive Maintenance, Repair, Service Contract for existing equipment utilized by the Environmental Laboratory for the analysis of drinking water, wastewater, surface water, storm water. Landfill samples and biosolids	Sole Original Equipment Manufacturer - spare parts, brokerage fees, supplies for existing equipment utilized by the Environmental Laboratory for the analysis of drinking water, wastewater, surface water, storm water, landfill samples and biosolids	\$ 140,000.00	\$ 134,146.85	\$ 105,158.82	\$ 55,472.32	\$ 63,855.20	\$ 64,948.96	
Bureau Veritas (BV)		X			Recommend the use of Bureau Veritas (BV) as one of two vendors for subcontracting laboratory analysis to a lab that is accredited to ISO 17025 and MECP Licensed for regulatory drinking water analysis. Recommend use of BV for the analysis of emergency samples (for example, in response to a drinking water concern, a spill into or from the sewer system or a wastewater plant upset) as well as surplus regulatory drinking water, surface water, storm water, wastewater, biosolids and landfill samples when the City of Hamilton Environmental Lab experiences an instrument malfunction or surplus testing requirements. Due to the close proximity of BV to the City of Hamilton Environmental Laboratory (CHEL), samples can be picked up and analyzed the same day. This is especially important for parameters that must be analyzed within 24-48 hours of sample collection. BV is an accredited and licensed lab with an extensive scope of testing and as such they are able to provide this service without further subcontracting. They have provided services that meets our specifications. Recommend the approval to use BV as one of two different accredited/licensed labs for emergency and surplus testing. Approval to use 2 vendors for subcontracting laboratory analysis would provide an allowance for issues experienced by one vendor that would disqualify certain analysis as well as issues with high sample load. The last time this service was tendered, the process took 4 years and three tenders to complete. Considering it took 3 attempts to find a successful applicant, Procurement suggested adding this service to policy 14.		\$ 50,000.00	\$ 15,548.00	\$ 8,179.00	\$ 11,776.00			
Environmental Resource Associates (ERA)	x			OEM Provider of specialized standards utilized by the Environmental Laboratory to maintain ISO 17025 Accreditation.									
Gold Standard Diagnostics Horsham, Inc. (formerly Eurofins Abraxis) \$ USD	x		x	Original Equipment Manufacturer-Supplies, Certified Reference Materials and Laboratory Performance Testing samples for microcystins ELISA analysis of drinking water.		Sole worldwide manufacturer and North American distributor of Supplies for microcystins ELISA analysis of drinking water including Certified Reference Materials and Laboratory Performance Testing samples.	\$ 9,500.00	\$ 8,723.78	\$ 9,967.47	\$ 9,552.00	\$ 8,892.72	\$ 6,675.00	
Linde Canada Inc	x		x	Provider of Specialty Gases for Laboratory Analysis of drinking water, wastewater, surface water and storm water using Analytical Instrumentation		There are currently only 3 suppliers of specialty gases in the market, however, only Linde is able to provide all of the specialty gases required including ultrapure helium at this time. Currently, the bulk argon tank located inside the laboratory building belongs to Linde. Procurement staff and Lab staff have reviewed the Ontario Government's Vendor of Record agreement with Linde, recently established and decided to move forward with a Policy 12 cooperative procurement venture for specialty gases. The next step is for procurement to contact Linde to create an agreement between Linde and the City of Hamilton Environmental Lab, under the Provincial VOR agreement. For helium, we would continue to request a Policy 14 purchase as no one is willing to commit to a contract/price for helium at this time due to shortages and price instability.	\$ 40,000.00	\$ 36,318.05	\$ 28,979.00				

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The Canadian Association for Laboratory Accreditation Inc. (CALA)		x			On site ISO 17025 Laboratory Assessments utilized by the Environmental Laboratory to maintain ISO 17025 Accreditation. Accreditation is mandatory in order for the City of Hamilton Environmental Lab to be able to continue to analyze drinking water. The Lab has been accredited by CALA since 1996. There are 2 accreditation bodies in Canada, however, CALA specializes in Laboratory accreditation. CALA assessors have current hands on lab experience enabling them to bring unsurpassed technical expertise to each on-site audit.		\$ 20,000.00	\$18,769.91	\$ 11,559.90	\$ 12,346.58	\$ 24,265.70	\$ 27,550.00
IDEXX Distribution, Inc./IDEXX Laboratories Canada Corp./IDEXX Laboratories, Inc.	x		x	Original Equipment Manufacturer- Parts and supplies for Microbiological analysis of regulated drinking waters, wastewaters as well as surface water, storm water and biosolids.		Sole Provider of supplies, and spare parts for existing equipment utilized by the Environmental Laboratory for the analysis of total coliforms and E.coli in drinking water, wastewater, surface water, storm water and biosolids.	\$ 35,000.00	\$ 28,203.52	\$ 33,263.14	\$33,420.61	\$ 7,513.26	\$ 16,805.00
Magnetar Corporation	x	x		Sole Provider- Maintenance and Upgrades to SIRIUS Laboratory Information Management System (LIMS) database.	Sole provider of Maintenance and Upgrades to SIRIUS Laboratory Information Management System (LIMS) database.		\$ 45,000.00	\$33,379.07	\$ 40,402.10	\$ 39,246.67	\$ 25,432.48	\$ 22,245.76
Millipore (Canada Ltd.)/ EMD Millipore Corporation/Millipore Canada Ltd./ MilliporeSigma Canada Ltd.	x		x	Original Equipment Manufacturer- Parts, supplies for Laboratory water purification systems for trace analysis.		Original Equipment Manufacturer - Consumables for existing water treatment equipment utilized by the Environmental Laboratory. The PM agreement gives the laboratory a discount off the list price of Millipore-EMD OEM consumables if purchased directly from Millipore-EMD. This is a significant cost savings provided to the City of Hamilton. Millipore will guarantee that the waters produced by their systems will meet the stated specifications for the equipment only if OEM Millipore brand parts are used. The lab has specific quality guidelines for the RO and LGW and must ensure that the equipment is capable of producing this quality, therefore it is essential to use OEM parts.	\$ 25,000.00	\$ 25,532.73	\$ 21,960.00	\$ 14,147.42	\$ 16,488.92	\$ 17,671.00
PTC Proficiency Testing Canada (Proficiency Testing Canada Inc.)			x			Provider of specialized standards utilized by the Environmental Laboratory to maintain ISO 17025 Accreditation. Double-blind Proficiency Testing (PT) water & wastewater samples are required to maintain accreditation for environmental laboratories involved in the analysis of drinking water. It is recommended that these PT study samples continue to be purchased from PTC because they are the sole provider who meets all of the requirements :are an accredited PT Provider, on the accreditation body's list of approved vendors, able to provide whole volume samples including microbiology, can provide all required standards as 4 whole volume samples twice a year, able to provide 4 samples per analyte at different concentration ranges from low to high, guarantee a minimum of 20 participants per study, evaluation of data for bias, statistical analysis of data, evaluation takes into account the method detection limits, compares study data to historical study data to ensure standard deviations are fit for purpose.	\$ 13,000.00	\$11,559.90	\$ 11,367.80	\$10,600.00	NA	NA

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SGS Canada Inc.		x			Recommend the use of SGS Canada Inc. as one of two labs for subcontracting laboratory analysis to a lab that is accredited to ISO 17025 and MECP Licensed for regulatory drinking water analysis for specific tests listed in their scope of analysis. Recommend use of SGS for the analysis of regulatory drinking water, surface water, storm water, wastewater, biosolids and landfill samples during emergency situations or when the City of Hamilton Environmental Lab experiences instrument malfunction or process deficiency. SGS is an accredited and licensed lab with an extensive scope of testing. Having approval to use 2 vendors for subcontracting laboratory analysis would deal with issues experienced by one vendor that would disqualify certain analysis as well as issues with high sample load. The last time this service was tendered, there were no successful applicants. The tender was re-issued with only one successful applicant who passed the mandatory requirements. The tender was re-issued a third time and there were 2 more applicants that passed the pre-qualification. However, SGS Canada Inc. was the only applicant who passed the performance sample testing requirement. The process took 4 years. Considering it took 3 attempts to find a successful applicant, Procurement suggested adding SGS to policy 14 in 2016. SGS has provided cost effective service that meets our specifications.		\$ 50,000.00	\$ 142,787.88	\$ 222,136.77	\$ 123,171.35	\$ 34,059.27	\$ 38,738.10
Skalar Inc.	x	x	x	Original Equipment Manufacturer - Instruments parts, supplies and service for Skalar Automated Chemistry/BOD Systems.	Sole authorized service provider - Preventive Maintenance, Repair, Service Contract for existing equipment utilized by the Environmental Laboratory for the analysis of drinking water, wastewater, surface water, storm water and biosolids	OEM and Sole distributor- spare parts, brokerage fees, supplies for existing equipment utilized by the Environmental Laboratory for the analysis of drinking water, wastewater, surface water, storm water and biosolids.	\$ 25,000.00	\$ 14,266.00	\$ 29,837.20	\$ 19,334.95	\$ 13,377.95	\$ 22,071.50
Thermo Fisher Scientific (Mississauga) Inc. (Thermo Fisher Scientific)	X	X		Original Equipment Manufacturer- Instruments, parts, supplies and service for the two Aquion Ion Chromatographs used for analysis of anions in drinking water, wastewater, surface water, storm water, landfill samples and biosolids	Thermo Fisher Scientific (Mississauga) Inc is the sole manufacturer of the two ion chromatogram instruments used by the Environmental Laboratory to test for anions in drinking water, wastewater, surface water, storm water, landfill samples and biosolids. Thermo Fisher Scientific (Mississauga) Inc is the sole provider of the original and guaranteed parts/hardware necessary to provide repairs on this specific unit. Thermo field service engineers are certified/trained for the specific product line, ensuring the speed, quality of repair and work required. This includes any Emergency Service that may be required outside of the normal yearly Preventive Maintenance programs.		\$ 13,000.00	\$ 9,048.00				

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Systems Plus (1936100 Ontario Inc.)	x		x	Provider of pre-cleaned, pre-labelled Laboratory Bottles for all analytical analysis including regulatory drinking water.		Provider of pre-cleaned, pre-labelled Laboratory Bottles for all analytical analysis including regulatory drinking water. Sole bottle supplier who can offer us the wide range of ready to use suitable sample bottles required by CHEL that meet all of the requirements - they offer the full range of bottle types including the large 4L bottles and the bottles (vials) used in instrument autosamplers, provide pre-cleaned bottles (acid and/or solvent rinsed) that are certified clean by analysis at an ISO17025 accredited lab, provide custom labelling of any type of bottle at no extra charge, add preservative (acid or base) to the bottles as requested and include appropriate WHMIS information on the labels, automatically provide certificates at no extra charge, carry a large inventory of bottles. Systems Plus has always provided product/service that meets our specifications, they respond quickly to new requests and delivery is prompt ensuring there is no disruption in the supply chain of sample bottles for our clients.	\$ 50,000.00	\$ 38,984.67	\$ 47,574.84	\$ 35,568.82	\$ 34,607.66	\$ 31,150.74
VWR (A Part of Avantor) / VWR International Co./Avantor Delivered by VWR			x			The City of Hamilton Environmental Lab requires the delivery of a set of specialized QC reference standards each month which are used to provide assurance of the quality of data produced by the Lab. It is recommended that these be purchased from ERA through VWR (A Part of Avantor). ERA is able to provide the complete set of standards required and VWR is the only Canadian distributor for ERA QC reference Standards.	\$ 34,000.00	\$ 26,015.22	\$ 25,085.93	\$ 25,895.00	\$ 21,000.00	\$ 20,616.00
TOTALS							\$ 549,500.00	\$ 543,283.58	\$ 595,471.97	\$ 390,531.72	\$ 249,493.16	\$ 268,472.06