



PROFESSIONAL SERVICES AGREEMENT

This Professional Services Agreement ("**Agreement**") is effective as of the date of the Mayor's signature below and is between the City of Everett, a Washington municipal corporation (*the "City"*), and the Service Provider identified in the Basic Provisions below ("**Service Provider**"). This Agreement is for the purpose of the Service Provider providing services to the City as set forth in the Agreement. This Agreement includes and incorporates the Basic Provisions, the attached General Provisions, the attached scope of work (Exhibit A), and the attached method of compensation (Exhibit B).

BASIC PROVISIONS	
Service Provider	Analytical Resources Inc
	4611 South 134th Pl, Suite 100 Tukwila, WA 98168
	sue.dunnihoo@arilabs.com
City Project Manager	Chris Merwede
	City of Everett – Public Works- EEL 3200 Cedar St. Everett, WA 98201
	cmerwede@everettwa.gov
Brief Summary of Scope of Work	Environmental analytical testing services
Completion Date	December 31, 2028
Maximum Compensation Amount	\$300,000.00

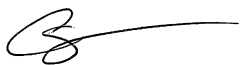
BASIC PROVISIONS	
Service Provider Insurance Contact Information	Tiffany Brewster
	(425) 275-0557
	tiffany@plcins.com
State Retirement Systems (must answer both questions)	<p>Does Service Provider have 25 or more employees?</p> <p>Answer: Yes</p> <p>If Service Provider has less than 25 employees, did any Service Provider Personnel who will work under this Professional Services Agreement retire under a DRS retirement system?</p> <p>Answer: N/A - Service Provider has 25 or more employees</p> <p>“DRS retirement system” refers to any of the following Public Employers’ Retirement System (PERS), School Employees’ Retirement System (SERS), Teachers’ Retirement System (TRS), and Law Enforcement Officers and Fire Fighters plan (LEOFF).</p> <p>“Service Provider Personnel” includes Service Provider employees and owners (such as shareholders, partners or members). If Service Provider is a sole proprietor, then “Service Provider Personnel” refers to the sole proprietor.</p>

END OF BASIC PROVISIONS

IN WITNESS WHEREOF, the City and Service Provider have executed this Agreement, which includes and incorporates the above Basic Provisions, the attached General Provisions, the attached scope of work (Exhibit A), and the attached method of compensation (Exhibit B).

**CITY OF EVERETT
WASHINGTON**

ANALYTICAL RESOURCES INC.



Cassie Franklin, Mayor

04/17/2024

Date

ATTEST



Office of the City Clerk

Signature: _____



04/16/2024

Name of Signer: Sue Dunnihoo

Signer's Email Address: sue.dunnihoo@arilabs.com

Title of Signer: Lab Director



STANDARD DOCUMENT
APPROVED AS TO FORM
OFFICE OF THE CITY ATTORNEY
JULY 28, 2023

ATTACHMENT
PROFESSIONAL SERVICES AGREEMENT
(GENERAL PROVISIONS v.071423.1)

1. **Engagement of Service Provider.** The City hereby agrees to engage Service Provider, and Service Provider hereby agrees, to perform the work in a competent and professional manner and provide the services described in the Scope of Work attached as Exhibit A. The Scope of Work so identified is hereafter referred to as “Work”. Without a written directive of an authorized representative of the City, Service Provider shall not perform any services that are in addition to, or beyond the scope of, the Work. If Service Provider’s proposal or other document generated by Service Provider is incorporated or attached as an exhibit or part of any exhibit to this Agreement or in any amendment or task or work order pursuant to this Agreement, then such proposal or document is part of this Agreement solely to the extent that it describes the Work, the Work schedule, and the amounts or rates to be paid for such Work, and Service Provider expressly agrees that no terms or conditions from such proposal or document are incorporated or included into this Agreement. In the event of difference or conflict between parts of this Agreement, Service Provider shall be bound by whichever is more stringent on Service Provider. If, and to the extent, the Work includes the design of a public work or improvement, in whole or in part, Service Provider’s design shall be reasonably accurate, adequate and suitable for its intended purpose.
2. **Intellectual Property Rights.** Reports, drawings, plans, specifications and any other intangible property created in furtherance of the Work are property of the City for all purposes, whether the project for which they are made is executed or not, and may be used by the City for any purpose. Unless otherwise expressly agreed in writing, all intellectual property rights in such documents or intangible property created pursuant to this Agreement, or for the City, belong to the City. Service Provider retains any intellectual property rights in documents and intangible property created by Service Provider prior to engagement, or not created by Service Provider for its performance of this Agreement.
3. **Time of Beginning and Completion of Performance.** This Agreement shall commence as of the date of mutual execution of this Agreement and the Work shall be completed by Completion Date stated in the Basic Provisions.
4. **Compensation.**
 - A. The City shall pay Service Provider only for completed Work and for services actually rendered which are described herein. Such payment shall be full compensation for Work performed or services rendered, including, but not limited to, all labor, materials, supplies, equipment and incidentals necessary to complete the Work.
 - B. Service Provider shall be paid such amounts and in such manner as described in Exhibit B.
 - C. Service Provider may receive payment as reimbursement for Eligible Expenses actually incurred. “Eligible Expenses” means those expenses as set forth in an exhibit to this Agreement or such expenses as are approved for reimbursement by the City in writing prior to the expense being incurred. An expense shall not be reimbursed if: (1) the expense is not identified as an Eligible Expense; (2) the expense exceeds the per item or cumulative limits for such expense if it is identified as an Eligible Expense; or (3) the expense was not approved in writing by an authorized City representative prior to Service Provider incurring the expense. If, and to the extent, overnight lodging in western Washington is authorized, Service Provider is strongly encouraged to lodge within the corporate limits of City. When authorized, Service Provider will be reimbursed 100% of lodging expense, if lodged within the corporate limits of the City, but Service Provider will be reimbursed 50% of lodging

- expense when lodged outside the corporate limits of the City. If authorized, the City may (at its sole option) obtain or arrange air travel for Service Provider.
- D. Total compensation, including all services and expenses, shall not exceed the Maximum Compensation Amount in the Basic Provisions.
 - E. If Service Provider fails or refuses to correct its work when so directed by the City, the City may withhold from any payment otherwise due an amount that the City in good faith believes is equal to the cost to the City of correcting, re-procuring, or remedying any damage caused by Service Provider's conduct.
5. **Method of Payment.**
- A. To obtain payment, Service Provider shall (a) file its request for payment, accompanied by evidence satisfactory to the City justifying the request for payment; (b) submit a report of Work accomplished and hours of all tasks completed; (c) to the extent reimbursement of Eligible Expenses is sought, submit itemization of such expenses and, if requested by the City, copies of receipts and invoices; and (d) comply with all applicable provisions of this Agreement. Service Provider shall be paid no more often than once every thirty days.
 - B. All requests for payment should be sent to the City Project Manager Address in the Basic Provisions or to an address designated by the City Project Manager in writing.
6. **Submission of Reports and Other Documents.** Service Provider shall submit all reports and other documents as and when specified in the Scope of Work. This information shall be subject to review by the City, and if found to be unacceptable, Service Provider shall correct and deliver to the City any deficient Work at Service Provider's expense with all practical dispatch. Service Provider shall abide by the City's determinations concerning acceptability of Work.
7. **Termination of Contract.** City reserves the right to terminate this Agreement at any time by sending written notice of termination to Service Provider ("Notice"). The Notice shall specify a termination date ("Termination Date"). The Notice shall be effective ("Notice Date") upon the earlier of either actual receipt by Service Provider (whether by email, mail, delivery or other method reasonably calculated to be received by Service Provider in a reasonably prompt manner) or three calendar days after issuance of the Notice. Upon the Notice Date, Service Provider shall immediately commence to end the Work in a reasonable and orderly manner. Unless terminated for Service Provider's material breach, Service Provider shall be paid or reimbursed for: (a) all hours worked and Eligible Expenses incurred up to the Notice Date, less all payments previously made; and (b) those hours worked and Eligible Expenses incurred after the Notice Date, but prior to the Termination Date, that were reasonably necessary to terminate the Work in an orderly manner. The City does not by this Section waive, release or forego any legal remedy for any violation, breach or non-performance of any of the provision of this Agreement. At its sole option, and without limitation of or prejudice to any other available remedy or recourse, the City may deduct from the final payment due Service Provider (a) any damages, expenses or costs arising out of any such violations, breaches, or non-performance and (b) any other backcharges or credits.
8. **Changes.** The City may, from time to time, unilaterally change the scope of the services of Service Provider to be performed hereunder. Such changes, including any increase or decrease in the scope of work (and resulting increase or decrease in compensation), shall: (a) be made only in writing and signed by an authorized City representative, (b) be explicitly identified as an amendment to this Agreement and (c) become a part of this Agreement.
9. **Subletting/Assignment of Contracts.** Service Provider shall not sublet or assign any of the Work without the express, prior written consent of the City.
10. **Indemnification.** Except as otherwise provided in this Section, Service Provider hereby agrees to defend and indemnify and save harmless the City from any and all Claims arising out of, in

connection with, or incident to any negligent or intentional acts, errors, omissions, or conduct by Service Provider (or its employees, agents, representatives or subcontractors/subconsultants) relating to this Agreement, whether such Claims sound in contract, tort, or any other legal theory. Service Provider is obligated to defend and indemnify and save harmless the City pursuant to this Section whether a Claim is asserted directly against the City, or whether it is asserted indirectly against the City, e.g., a Claim is asserted against someone else who then seeks contribution or indemnity from the City. Service Provider's duty to defend and indemnify and save harmless pursuant to this Section is not in any way limited to, or by the extent of, insurance obtained by, obtainable by, or required of Service Provider. Service Provider's obligations under this Section shall not apply to Claims caused by the sole negligence of the City. If (1) RCW 4.24.115 applies to a particular Claim, and (2) such Claim is caused by or results from the concurrent negligence of (a) Service Provider, its employees, subcontractors/subconsultants or agents and (b) the City, then Service Provider's liability under this Section shall be only to the extent of Service Provider's negligence. Solely and expressly for the purpose of its duties to indemnify and defend and save harmless the City, Service Provider specifically waives any immunity it may have under the State Industrial Insurance Law, Title 51 RCW. Service Provider recognizes that this waiver of immunity under Title 51 RCW was specifically entered into pursuant to the provisions of RCW 4.24.115 and was the subject of mutual negotiation. As used in this Section: (1) "City" includes the City, the City's officers, employees, agents, and representatives and (2) "Claims" include, but is not limited to, any and all losses, penalties, fines, claims, demands, expenses (including, but not limited to, attorney's fees and litigation expenses), suits, judgments, or damages, irrespective of the type of relief sought or demanded, such as money or injunctive relief, and irrespective of whether the damage alleged is bodily injury, damage to property, economic loss, general damages, special damages, or punitive damages or infringement or misappropriation of any patent, copyright, trade secret, or other proprietary right. If, and to the extent, Service Provider employs or engages subconsultants or subcontractors, then Service Provider shall ensure that each such subconsultant and subcontractor (and subsequent tiers of subconsultants and subcontractors) shall expressly agree to defend and indemnify and save harmless the City to the extent and on the same terms and conditions as Service Provider pursuant to this Section. The provisions of this Section shall survive the termination of this Agreement.

11. Insurance.

- A. Service Provider shall comply with the following conditions and procure and keep in force during the term of this Agreement, at Service Provider's own cost and expense, the policies of insurance as set forth in this Section with companies authorized to do business in the State of Washington, which are rated at least "A-" or better and with a numerical rating of no less than seven (7), by A.M. Best Company and which are acceptable to the City.
1. Workers' Compensation Insurance as required by Washington law and Employer's Liability Insurance with limits not less than \$1,000,000 per occurrence. If the City authorizes sublet work, Service Provider shall require each subcontractor to provide Workers' Compensation Insurance for its employees, unless Service Provider covers such employees.
 2. Commercial General Liability Insurance on an occurrence basis in an amount not less than \$1,000,000 per occurrence and at least \$2,000,000 in the annual aggregate, including but not limited to: premises/operations (including off-site operations), blanket contractual liability and broad form property damage.
 3. Business Automobile Liability Insurance in an amount not less than \$1,000,000 per occurrence, extending to any automobile. A statement certifying that no vehicle

will be used in accomplishing this Agreement may be substituted for this insurance requirement.

4. Professional Errors and Omissions Insurance in an amount not less than \$2,000,000 per occurrence and \$2,000,000 in the annual aggregate. Such coverage may be written on a claims made basis.
- B. The above CGL and auto liability policies shall be primary as to the City and shall contain a provision that the policy shall not be canceled or materially changed without 30 days prior written notice to the City. No cancellation provision in any insurance policy shall be construed in derogation of the continuous duty of Service Provider to furnish the required insurance during the term of this Agreement.
- C. Upon written request by the City, the insurer or its agent will furnish, prior to or during any Work being performed, a copy of any policy cited above, certified to be a true and complete copy of the original.
- D. The Description of Operations on the Certificate of Insurance must substantially read as follows: "The above commercial general and auto liability policies are primary as to the City of Everett; have the City of Everett, its officers, employees, agents, and volunteers as additional insureds; and contain a provision that the policy shall not be canceled or materially changed without 30 days prior written notice to the City of Everett."
- E. Prior to Service Provider performing any Work, Service Provider shall provide the City or the City's designee with a Certificate of Insurance acceptable to the City Attorney evidencing the required insurance. Service Provider shall provide the City or the City's designee with either (1) a true copy of an endorsement naming the City of Everett, its officers, employees, agents and volunteers as Additional Insureds on the Commercial General Liability Insurance policy and the Business Automobile Liability Insurance policy with respect to the operations performed and services provided under this Agreement and that such insurance shall apply as primary insurance on behalf of such Additional Insureds or (2) a true copy of the blanket additional insured clause from the policies. Receipt by the City or the City's designee of any certificate showing less coverage than required is not a waiver of Service Provider's obligations to fulfill the requirements.
- F. If the policy listed above, Professional Errors and Omissions Insurance, is on a claims made policy form, the retroactive date on the policy shall be the effective date of this Agreement or prior. The retroactive date of any subsequent renewal of such policy shall be the same as the original policy provided. The extended reporting or discovery period on a claims made policy form shall not be less than 36 months following expiration of the policy.
- G. Service Provider certifies that it is aware of the provisions of Title 51 of the Revised Code of Washington that requires every employer to be insured against liability of Workers' Compensation, or to undertake self-insurance in accordance with the provisions of that Title. Service Provider shall comply with the provisions of Title 51 of the Revised Code of Washington before commencing the performance of the Work. Service Provider shall provide the City with evidence of Workers' Compensation Insurance (or evidence of qualified self-insurance) before any Work is commenced.
- H. In case of the breach of any provision of this Section, the City may, at its option and with no obligation to do so, provide and maintain at the expense of Service Provider, such types of insurance in the name of Service Provider, and with such insurers, as the City may deem proper, and may deduct the cost of providing and maintaining such insurance from any sums which may be found or become due to Service Provider under this Agreement or may demand Service Provider to promptly reimburse the City for such cost.

12. **Risk of Loss.** Service Provider shall be solely responsible for the safety of its employees, agents and subcontractors in the performance of the work hereunder and shall take all protections reasonably necessary for that purpose. All work shall be done at Service Provider's own risk, and Service Provider shall be solely responsible for any loss of or damage to Service Provider's materials, tools, or other articles used or held for use in connection with the work.
13. **Independent Contractor.**
- A. This Agreement neither constitutes nor creates an employer-employee relationship. Service Provider must provide services under this Agreement as an independent contractor. Service Provider must comply with all federal and state laws and regulations applicable to independent contractors including, but not limited to, the requirements listed in this Section. Service Provider agrees to indemnify and defend the City from and against any claims, valid or otherwise, made against the City because of these obligations.
 - B. In addition to the other requirements of this Section, if Service Provider is a sole proprietor, Service Provider agrees that Service Provider is not an employee or worker of the City under Chapter 51 of the Revised Code of Washington, Industrial Insurance for the service performed in accordance with this Agreement, by certifying to the following:
 - (1) Service Provider is free from control or direction over the performance of the service; and
 - (2) The service performed is outside the usual course of business for the City, or will not be performed at any place of business of the City, or Service Provider is responsible for the costs of the principal place of business from which the service is performed; and
 - (3) Service Provider is customarily engaged in an independently established business of the same nature as the service performed, or has a principal place of business for the service performed that is eligible for a business deduction for federal income tax purposes; and
 - (4) On the effective date of this Agreement, Service Provider is responsible for filing a schedule of expenses, for the next applicable filing period, with the internal revenue service for the type of service performed; and
 - (5) By the effective date of this Agreement or within a reasonable time thereafter, Service Provider has established an account with the department of revenue and other state agencies, where required, for the service performed for the payment of all state taxes normally paid by employers and businesses and has registered for and received a unified business identifier number from the state of Washington; and
 - (6) By the effective date of this Agreement, Service Provider is maintaining a separate set of records that reflect all items of income and expenses of the services performed.
 - C. Any and all employees of Service Provider, while engaged in the performance of any Work, shall be considered employees of only Service Provider and not employees of the City. Service Provider shall be solely liable for any and all claims that may or might arise under the Worker's Compensation Act on behalf of such employees or Service Provider, while so engaged and for any and all claims made by a third party as a consequence of any negligent act or omission on the part of Service Provider's employees, while so engaged on any of the Work.
 - D. Service Provider shall comply with all applicable provisions of the Fair Labor Standards Act and other legislation affecting its employees and the rules and regulations issued thereunder insofar as applicable to its employees and shall at all times save the City free, clear and

- harmless from all actions, claims, demands and expenses arising out of such act, and rules and regulations that are or may be promulgated in connection therewith.
- E. Service Provider assumes full responsibility for the payment of all payroll taxes, use, sales, income, or other form of taxes (such as state and, city business and occupation taxes), fees, licenses, excises or payments required by any city, federal or state legislation which are now or may during the term of the Agreement be enacted as to all persons employed by Service Provider and as to all duties, activities and requirements by Service Provider in performance of the Work and Service Provider shall assume exclusive liability therefor, and meet all requirements thereunder pursuant to any rules or regulations that are now or may be promulgated in connection therewith.
14. **Employment/Conflict of Interest.** Service Provider warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for Service Provider, to solicit or secure this Agreement and that it has not paid or agreed to pay any company or person, other than a bona fide employee working solely for Service Provider, any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, the City shall have the right to annul this Agreement without liability or, in its discretion, to deduct from the Agreement price or consideration or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift, or contingent fee. Further, it is recognized that Service Provider may or will be performing professional services during the term of this Agreement for other parties; however, such performance of other services shall not conflict with or interfere with Service Provider's ability to perform the Work. Service Provider agrees to resolve any such conflicts of interest in favor of the City.
15. **Audits and Inspections.** At any time during normal business hours and as often as the City may deem necessary, Service Provider shall make available to the City for the City's examination all of Service Provider's records and documents with respect to all matters covered by this Agreement and, furthermore, Service Provider will permit the City to audit, examine and make copies, excerpts or transcripts from such records, and to make audits of all contracts, invoices, materials, payrolls, records of personnel, conditions of employment and other data relating to all matters covered by this Agreement.
16. **City of Everett Business License.** Service Provider agrees to obtain a City of Everett business license prior to performing any work pursuant to this Agreement.
17. **State of Washington Requirements.** Service Provider agrees to register and obtain any State of Washington business licenses, Department of Revenue account and/or unified business identifier number as required by RCW 50.04.140 and 51.08.195 prior to performing any work pursuant to this Agreement.
18. **Compliance with Federal, State and Local Laws.** Service Provider shall comply with and obey all federal, state and local laws, regulations, and ordinances applicable to the operation of its business and to its performance of work hereunder.
19. **Compliance with the Washington State Public Records Act.** Service Provider acknowledges that the City is subject to the Public Records Act, chapter 42.56 RCW (the "Act"). All records owned, used or retained by the City are public records subject to disclosure unless exempt under the Act, whether or not such records are in the possession or control of the City or Service Provider. Service Provider shall cooperate with the City so that the City may comply with all of its obligations under the Act. Within ten (10) days after receipt of notice from the City, Service Provider shall deliver to the City copies of all records relating to this Agreement or relating to the Work that the City determines qualify as the City's public records under the Act. If the City receives a public records request relating to this Agreement or relating to the Work, the City shall seek to provide

notice to Service Provider at least ten (10) days before the City releases records pursuant to such public records request, but in no event will the City have any liability to Service Provider for any failure of the City to provide such notice. In addition to its other indemnification and defense obligations under this Agreement, Service Provider shall indemnify and defend the City from and against any and all losses, penalties, fines, claims, demands, expenses (including, but not limited to, attorney's fees and litigation expenses), suits, judgments, or damage arising from or relating to any failure of Service Provider to comply with this Section.

20. **Compliance with Grant/Loan Terms and Conditions.** Service Provider shall comply with any and all terms, conditions, terms and requirements of any federal, state or other agency grant or loan that wholly or partially funds Service Provider's work hereunder. If the grant or loan requires that the agency be a third party beneficiary to this Agreement, then the agency is a third party beneficiary to this Agreement.
21. **Equal Employment Opportunity.** Service Provider shall not discriminate against any employee, applicant for employment, or other person on the basis of race, color, religion, sex, age, disability, marital state, or national origin or other circumstance prohibited by applicable federal, state, or local law or ordinance. Service Provider shall comply with and shall not violate any applicable provisions of Chapter 49.60 RCW, Title VI of the Civil Rights Act of 1964, and all applicable federal, state, or local law or ordinance regarding non-discrimination.
22. **Waiver.** Any waiver by Service Provider or the City or the breach of any provision of this Agreement by the other party will not operate, or be construed, as a waiver of any subsequent breach by either party or prevent either party from thereafter enforcing any such provisions.
23. **Complete Agreement.** This Agreement contains the complete and integrated understanding and agreement between the parties and supersedes any understanding, agreement or negotiation whether oral or written not set forth herein.
24. **Modification of Agreement.** This Agreement may only be modified as provided in Section 8, or by a writing explicitly identified as a modification or amendment of this Agreement that is signed by authorized representatives of the City and Service Provider.
25. **Severability.** If any part of this Agreement is found to be in conflict with applicable laws, such part shall be inoperative, null and void, insofar as it is in conflict with said laws, and the remainder of the Agreement shall remain in full force and effect.
26. **Notices.**
 - A. Notices to the City shall be sent to the City Project Manager address in the Basic Provisions.
 - B. Notices to Service Provider shall be sent to its address in the Basic Provisions.
27. **Venue.** Venue for any lawsuit arising out of this Agreement shall be in the Superior Court of Snohomish County, Washington.
28. **Governing Law.** The laws of the State of Washington, without giving effect to principles of conflict of laws, govern all matters arising out of or relating to this Agreement.
29. **City Marks.** Service Provider will not use any trade name, trademark, service mark, or logo of the City (or any name, mark, or logo confusingly similar thereto) in any advertising, promotions, or otherwise, without the City's express prior written consent.
30. **No Personal Liability.** No officer, agent or employee of the City shall be personally responsible for any liability arising under this Agreement, whether expressed or implied, nor for any statement or representation made or in any connection with this Agreement.
31. **Federal Debarment.** Service Provider shall immediately notify the City of any suspension or debarment or other action that excludes Service Provider or any Service Provider subcontractor from participation in Federal contracting. Service Provider shall verify all subcontractors that are intended and/or used by Service Provider for performance of Work are in good standing and are not debarred, suspended or otherwise ineligible by the Federal Government. Debarment shall be verified at

<https://www.epls.gov/epls/search.do>. Service Provider shall keep proof of such verification within Service Provider records.

32. **Signature/Counterparts.** This Agreement and any amendment thereto may be signed in counterparts, each of which shall be deemed an original, and all of which, taken together, shall be deemed one and the same document. AdobeSign signatures are fully binding. Any ink, electronic, faxed, scanned, photocopied, or similarly reproduced signature on this Agreement or any amendment hereto will be deemed an original signature and will be fully enforceable as an original signature.
33. **Standard Document.** This General Provisions document is a standard City form document. No changes by Service Provider are authorized to the General Provisions. Notwithstanding anything to the contrary in this Agreement, in the event that Service Provider makes unauthorized changes to the General Provisions, such changes are deemed to have never been made and the contract between the City and Service Provider is deemed to be the unchanged standard City form General Provisions in version stated below, regardless of whether the City signs this Agreement in a form that may contain the unauthorized changes.

**END OF GENERAL PROVISIONS
(v.071423.1)**

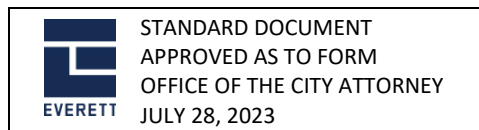


EXHIBIT A
PROFESSIONAL SERVICES AGREEMENT
(SCOPE OF WORK -- ATTACHED)

SCOPE OF WORK

Analysis of samples and the accompanying quality control samples listed in attached quote, or other laboratory parameters at the discretion of the project manager, in accordance with EPA recognized test methods for drinking water, wastewater, and solids samples.

**EXHIBIT B
PROFESSIONAL SERVICES AGREEMENT**

**SELECT ONE OF THE FOLLOWING METHODS OF COMPENSATION, EACH OF WHICH IS
SUBJECT TO THE MAXIMUM COMPENSATION AMOUNT**

- ☐ **HOURLY RATE.** The City shall pay Service Provider a sum equal to the amount of hours actually worked multiplied by the rate identified below for staff performing the Work.

Name	Title	Rate
enter name	enter title	enter rate
enter name	enter title	enter rate
enter name	enter title	enter rate
enter name	enter title	enter rate
enter name	enter title	enter rate
enter name	enter title	enter rate
enter name	enter title	enter rate

If there are more staff than rows in the table above, then those staff names, titles, and rates shall be provided in the Scope of Work.

- ☐ **PROGRESS PAYMENTS.** The City shall pay Service Provider the following amounts upon the completion of the following tasks.

Task	Amount Paid on Task Completion
enter task	enter amount
enter task	enter amount
enter task	enter amount
enter task	enter amount
enter task	enter amount
enter task	enter amount
enter task	enter amount

If there are more tasks than rows in the table above, then those tasks and payment amounts shall be provided in the Scope of Work.

- ☐ **LUMP SUM.** The City shall pay Service Provider \$ enter amount upon the completion of the Work.

- ☐ **METHOD CONTAINED IN SCOPE OF WORK.** The City shall pay Service Provider as set forth in the Scope of Work.

- ☒ **METHOD CONTAINED IN ATTACHED PAGE(S).** The City shall pay Service Provider as set forth in the spreadsheets or other documents attached to this Exhibit B.

EXHIBIT B

See attached rate sheet. Service Provider to submit rate sheet for the upcoming year prior to current rate sheet expiration. Invoice rates must match rates in rate sheet.



Chris Merwede
City of Everett
General Services Bid 2024

Analytical Services Quotation

Printed: 2/29/2024
Effective: 16-Nov-2023
Expires: 31-Dec-2024

Samples will be discarded 90 days after submission of a final report unless other instructions are received.

Pricing Summary

Parameter	Method	Quantity	TAT (days*)	Unit Price	Extended Price
Water					
Alkalinity, Total	SM 2320 B-11	0	10	\$40.00	\$0.00
Ammonia-N	SM 4500-NH3 H-11	0	10	\$40.00	\$0.00
Chemical Oxygen Demand (COD)	SM 5220 D-11	0	10	\$45.00	\$0.00
Chloride (IC)	EPA 300.0	0	10	\$50.00	\$0.00
Composite sample	Laboratory SOP	0	10	\$100.00	\$0.00
Cyanide, Total (Direct Distillation)	EPA 9014	0	10	\$70.00	\$0.00
Filter 0.45 micron (O-Phos)	Laboratory SOP	0	10	\$20.00	\$0.00
Nitrate + Nitrite-N	EPA 353.2	0	10	\$45.00	\$0.00
Nitrogen, Total Kjeldahl	SM 4500-Norg D-11	0	10	\$60.00	\$0.00
Nitrogen, Total Kjeldahl	EPA 351.2	0	10	\$60.00	\$0.00
Organic Carbon, Total (TOC)	SM 5310 B-11	0	10	\$55.00	\$0.00
Phenolics	EPA 420.1	0	10	\$80.00	\$0.00
Phosphorous, Total	SM 4500-P E-11	0	10	\$50.00	\$0.00
Phosphorus, Ortho-P (SRP)	SM 4500-P E-11	0	10	\$60.00	\$0.00
Composite sample for Metals Testing	Laboratory SOP	0	10	\$100.00	\$0.00
Filter 0.45 micron	Laboratory SOP	0	10	\$25.00	\$0.00
Aroclor PCBs (0.01 ug/L or 20 ug/kg)	EPA 608.3	0	15	\$300.00	\$0.00
Aroclor PCBs (1.0 ug/L)	EPA 608.3	0	10	\$180.00	\$0.00
Chlorinated Pesticides	EPA 608.3	0	10	\$250.00	\$0.00
Composite sample for Extractables Testing	Laboratory SOP	0	10	\$100.00	\$0.00
Organochlorine Pesticides (Low Level Water)	EPA 608.3	0	10	\$350.00	\$0.00
Polynuclear Aromatic Hydrocarbons	EPA 8270E-SIM	0	10	\$250.00	\$0.00
Semivolatile Organic Compounds	EPA 625.1	0	10	\$380.00	\$0.00
TPH (Extractables) low level	NWTPH-Dx	0	10	\$90.00	\$0.00
Composite sample for VOC testing	Laboratory SOP	0	10	\$100.00	\$0.00
Volatile Organic Compounds	EPA 624.1	0	10	\$230.00	\$0.00
Solid					
Ammonia-N (in Solid)	SM 4500-NH3 H-11	0	10	\$50.00	\$0.00
Nitrate + Nitrite-N, Solid Matrix	EPA 353.2	0	10	\$75.00	\$0.00
Phosphorous, Total	SM 4500-P E-11	0	10	\$50.00	\$0.00
Solids, Total, Dried at 103 -105 °C	SM 2540 G-11	0	10	\$30.00	\$0.00
TCLP Metals (RCRA) 6010D 7470, 1311 and digest	varies	0	10	\$375.00	\$0.00
Polynuclear Aromatic Hydrocarbons	EPA 8270E-SIM	0	10	\$250.00	\$0.00
TPH (Extractables)	NWTPH-Dx	0	10	\$80.00	\$0.00
				Bid Total:	\$0.00

* Working days - refer to Terms and Conditions, Turnaround Time on page 20.

Kelly Bottem
Client Services Manager



Chris Merwede
City of Everett
General Services Bid 2024

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TCLP Metals (RCRA) 6010D 7470, 1311 and digest consi

Mercury in TCLP Extracts by 7470	Selenium in TCLP Extracts by ICP	Lead in TCLP Extracts by ICP	Chromium in TCLP Extracts by ICP	Cadmium in TCLP Extracts by ICP
Barium in TCLP Extracts by ICP	Arsenic in TCLP Extracts by ICP	Silver in TCLP Extracts by ICP	TCLP Extraction for Metals	Metals Prep Charge ICP
Metals Prep Charge Hg				



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Turnaround Pricing

Aroclor PCBs (0.01 ug/L or 20 ug/kg) by EPA 608.3

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$300.00	\$375.00	\$525.00	\$525.00	\$525.00	\$600.00	\$600.00

Aroclor PCBs (1.0 ug/L) by EPA 608.3

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$180.00	\$180.00	\$270.00	\$270.00	\$270.00	\$315.00	\$315.00
2 days						
\$360.00						

Chlorinated Pesticides by EPA 608.3

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$250.00	\$250.00	\$375.00	\$375.00	\$375.00	\$437.50	\$437.50
2 days						
\$500.00						

Organochlorine Pesticides (Low Level Water) by EPA 608.3

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$350.00	\$350.00	\$525.00	\$525.00	\$525.00	\$612.50	\$612.50
2 days						
\$700.00						

Volatile Organic Compounds by EPA 624.1

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$230.00	\$230.00	\$345.00	\$345.00	\$345.00	\$402.50	\$402.50
2 days	1 day					
\$460.00	\$460.00					

Semivolatile Organic Compounds by EPA 625.1

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$380.00	\$380.00	\$570.00	\$570.00	\$570.00	\$665.00	\$665.00
2 days						
\$760.00						

Polynuclear Aromatic Hydrocarbons by EPA 8270E-SIM

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$250.00	\$250.00	\$375.00	\$375.00	\$375.00	\$437.50	\$437.50
2 days						
\$500.00						

Alkalinity, Total by SM 2320 B-11

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$40.00	\$40.00	\$60.00	\$60.00	\$60.00	\$70.00	\$70.00
2 days	1 day					
\$80.00	\$80.00					



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Ammonia-N by SM 4500-NH3 H-11

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$40.00	\$40.00	\$60.00	\$60.00	\$60.00	\$70.00	\$70.00
2 days	1 day					
\$80.00	\$80.00					

Ammonia-N (in Solid) by SM 4500-NH3 H-11

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$50.00	\$50.00	\$75.00	\$75.00	\$75.00	\$87.50	\$87.50
2 days	1 day					
\$100.00	\$100.00					

Organic Carbon, Total (TOC) by SM 5310 B-11

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$55.00	\$55.00	\$82.50	\$82.50	\$82.50	\$96.25	\$96.25
2 days						
\$110.00						

Chemical Oxygen Demand (COD) by SM 5220 D-11

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$45.00	\$45.00	\$67.50	\$67.50	\$67.50	\$78.75	\$78.75
2 days	1 day					
\$90.00	\$90.00					

Chloride (IC) by EPA 300.0

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$50.00	\$50.00	\$75.00	\$75.00	\$75.00	\$87.50	\$87.50
2 days	1 day					
\$100.00	\$100.00					

Composite sample by Laboratory SOP

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$100.00	\$100.00	\$150.00	\$150.00	\$150.00	\$175.00	\$175.00
2 days						
\$200.00						

Composite sample for Extractables Testing by Laboratory SOP

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$100.00	\$100.00	\$150.00	\$150.00	\$150.00	\$175.00	\$175.00
2 days						
\$200.00						

Composite sample for Metals Testing by Laboratory SOP

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$100.00	\$100.00	\$150.00	\$150.00	\$150.00	\$175.00	\$175.00
2 days						
\$200.00						



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Composite sample for VOC testing by Laboratory SOP

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$100.00	\$100.00	\$150.00	\$150.00	\$150.00	\$175.00	\$175.00
2 days						
\$200.00						

Cyanide, Total (Direct Distillation) by EPA 9014

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$70.00	\$70.00	\$105.00	\$105.00	\$105.00	\$122.50	\$122.50
2 days	1 day					
\$140.00	\$140.00					

Filter 0.45 micron by Laboratory SOP

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$25.00	\$25.00	\$37.50	\$37.50	\$37.50	\$43.75	\$43.75
2 days	1 day					
\$50.00	\$50.00					

Filter 0.45 micron (O-Phos) by Laboratory SOP

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$20.00	\$20.00	\$30.00	\$30.00	\$30.00	\$35.00	\$35.00
2 days	1 day					
\$40.00	\$40.00					

TCLP Metals (RCRA) 6010D 7470, 1311 and digest by varies

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$300.00	\$375.00	\$525.00	\$525.00	\$525.00	\$600.00	\$600.00

Nitrate + Nitrite-N by EPA 353.2

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$45.00	\$45.00	\$67.50	\$67.50	\$67.50	\$78.75	\$78.75
2 days	1 day					
\$90.00	\$90.00					

Nitrate + Nitrite-N, Solid Matrix by EPA 353.2

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$75.00	\$75.00	\$112.50	\$112.50	\$112.50	\$131.25	\$131.25
2 days	1 day					
\$150.00	\$150.00					

Nitrogen, Total Kjeldahl by EPA 351.2

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$60.00	\$60.00	\$90.00	\$90.00	\$90.00	\$105.00	\$105.00
2 days	1 day					
\$120.00	\$120.00					



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Nitrogen, Total Kjeldahl by SM 4500-Norg D-11

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$60.00	\$60.00	\$90.00	\$90.00	\$90.00	\$105.00	\$105.00
2 days	1 day					
\$120.00	\$120.00					

Phenolics by EPA 420.1

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$80.00	\$80.00	\$120.00	\$120.00	\$120.00	\$140.00	\$140.00
2 days	1 day					
\$160.00	\$160.00					

Phosphorus, Ortho-P (SRP) by SM 4500-P E-11

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$60.00	\$60.00	\$90.00	\$90.00	\$90.00	\$105.00	\$105.00
2 days	1 day					
\$120.00	\$120.00					

Phosphorous, Total by SM 4500-P E-11

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$50.00	\$50.00	\$75.00	\$75.00	\$75.00	\$87.50	\$87.50
2 days	1 day					
\$100.00	\$100.00					

Solids, Total, Dried at 103 -105 °C by SM 2540 G-11

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$30.00	\$30.00	\$45.00	\$45.00	\$45.00	\$52.50	\$52.50
2 days	1 day					
\$60.00	\$60.00					

TPH (Extractables) by NWTPH-Dx

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$80.00	\$80.00	\$140.00	\$140.00	\$140.00	\$140.00	\$140.00
2 days	1 day					
\$160.00	\$160.00					

TPH (Extractables) low level by NWTPH-Dx

15 days	10 days	9 days	7 days	5 days	4 days	3 days
\$90.00	\$90.00	\$157.50	\$157.50	\$157.50	\$157.50	\$157.50
2 days	1 day					
\$180.00	\$180.00					



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Analysis Details

Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike %R	RPD	BlankSpike/LCS %R	RPD
TCLP Metals (RCRA) 6010D 7470, 1311 and digest in Solid (varies) Version: None								
Volatile Organic Compounds in Water (EPA 624.1) Version: None								
Chloromethane	0.272	0.500 ug/L		30	60 - 138	30	60 - 138	30
Vinyl Chloride	0.0817	0.200 ug/L		30	66 - 133	30	66 - 133	30
Bromomethane	0.231	1.00 ug/L		30	72 - 131	30	72 - 131	30
Chloroethane	0.0532	0.200 ug/L		30	60 - 155	30	60 - 155	30
Trichlorofluoromethane	0.125	0.200 ug/L		30	62 - 141	30	62 - 141	30
Acrolein	2.70	5.00 ug/L		30	52 - 190	30	52 - 190	30
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.114	0.200 ug/L		30	76 - 129	30	76 - 129	30
Acetone	1.91	5.00 ug/L		30	58 - 142	30	58 - 142	30
1,1-Dichloroethene	0.0754	0.200 ug/L		30	69 - 135	30	69 - 135	30
Iodomethane	0.148	1.00 ug/L		30	56 - 147	30	56 - 147	30
Methylene Chloride	0.531	1.00 ug/L		30	65 - 135	30	65 - 135	30
Acrylonitrile	0.398	1.00 ug/L		30	64 - 134	30	64 - 134	30
Carbon Disulfide	0.0602	0.200 ug/L		30	78 - 125	30	78 - 125	30
trans-1,2-Dichloroethene	0.0692	0.200 ug/L		30	78 - 128	30	78 - 128	30
Vinyl Acetate	0.116	0.200 ug/L		30	55 - 138	30	55 - 138	30
1,1-Dichloroethane	0.0370	0.200 ug/L		30	76 - 124	30	76 - 124	30
2-Butanone	1.77	5.00 ug/L		30	61 - 140	30	61 - 140	30
2,2-Dichloropropane	0.115	0.200 ug/L		30	66 - 147	30	66 - 147	30
cis-1,2-Dichloroethene	0.0811	0.200 ug/L		30	80 - 121	30	80 - 121	30
Chloroform	0.0548	0.200 ug/L		30	80 - 122	30	80 - 122	30
Bromochloromethane	0.0868	0.200 ug/L		30	80 - 121	30	80 - 121	30
1,1,1-Trichloroethane	0.0773	0.200 ug/L		30	79 - 123	30	79 - 123	30
1,1-Dichloropropene	0.0948	0.200 ug/L		30	80 - 127	30	80 - 127	30
Carbon tetrachloride	0.0868	0.200 ug/L		30	53 - 137	30	53 - 137	30
1,2-Dichloroethane	0.0756	0.200 ug/L		30	75 - 123	30	75 - 123	30
Benzene	0.0531	0.200 ug/L		30	80 - 120	30	80 - 120	30
Trichloroethene	0.0698	0.200 ug/L		30	80 - 120	30	80 - 120	30
1,2-Dichloropropane	0.0656	0.200 ug/L		30	80 - 120	30	80 - 120	30
Bromodichloromethane	0.0895	0.200 ug/L		30	80 - 121	30	80 - 121	30
Dibromomethane	0.0641	0.200 ug/L		30	80 - 120	30	80 - 120	30
2-Chloroethyl vinyl ether	0.545	1.00 ug/L		30	64 - 120	30	64 - 120	30
4-Methyl-2-Pentanone	1.90	5.00 ug/L		30	67 - 133	30	67 - 133	30
cis-1,3-Dichloropropene	0.0890	0.200 ug/L		30	80 - 124	30	80 - 124	30
Toluene	0.0485	0.200 ug/L		30	80 - 120	30	80 - 120	30
trans-1,3-Dichloropropene	0.0891	0.200 ug/L		30	71 - 127	30	71 - 127	30
2-Hexanone	2.06	5.00 ug/L		30	69 - 133	30	69 - 133	30
1,1,2-Trichloroethane	0.104	0.200 ug/L		30	80 - 121	30	80 - 121	30



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Analysis Details

Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike		Blank Spike/LCS	
					%R	RPD	%R	RPD
1,3-Dichloropropane	0.0661	0.200 ug/L		30	80 - 120	30	80 - 120	30
Tetrachloroethene	0.0911	0.200 ug/L		30	80 - 120	30	80 - 120	30
Dibromochloromethane	0.0945	0.200 ug/L		30	65 - 135	30	65 - 135	30
1,2-Dibromoethane	0.0861	0.200 ug/L		30	80 - 121	30	80 - 121	30
Chlorobenzene	0.0578	0.200 ug/L		30	80 - 120	30	80 - 120	30
Ethylbenzene	0.0509	0.200 ug/L		30	80 - 120	30	80 - 120	30
1,1,1,2-Tetrachloroethane	0.0898	0.200 ug/L		30	80 - 120	30	80 - 120	30
m,p-Xylene	0.144	0.400 ug/L		30	80 - 121	30	80 - 121	30
o-Xylene	0.0788	0.200 ug/L		30	80 - 121	30	80 - 121	30
Xylenes, total	0.222	0.600 ug/L		30	76 - 127	30	76 - 127	30
Styrene	0.0876	0.200 ug/L		30	80 - 124	30	80 - 124	30
Bromoform	0.154	0.200 ug/L		30	51 - 134	30	51 - 134	30
1,1,2,2-Tetrachloroethane	0.0343	0.200 ug/L		30	77 - 123	30	77 - 123	30
1,2,3-Trichloropropane	0.161	0.500 ug/L		30	76 - 125	30	76 - 125	30
trans-1,4-Dichloro 2-Butene	0.603	1.00 ug/L		30	55 - 129	30	55 - 129	30
n-Propylbenzene	0.0684	0.200 ug/L		30	78 - 130	30	78 - 130	30
Bromobenzene	0.0661	0.200 ug/L		30	80 - 120	30	80 - 120	30
Isopropyl Benzene	0.0741	0.200 ug/L		30	80 - 128	30	80 - 128	30
2-Chlorotoluene	0.0627	0.200 ug/L		30	78 - 122	30	78 - 122	30
4-Chlorotoluene	0.0610	0.200 ug/L		30	80 - 121	30	80 - 121	30
t-Butylbenzene	0.0714	0.200 ug/L		30	78 - 125	30	78 - 125	30
1,3,5-Trimethylbenzene	0.0701	0.200 ug/L		30	80 - 129	30	80 - 129	30
1,2,4-Trimethylbenzene	0.0488	0.200 ug/L		30	80 - 127	30	80 - 127	30
s-Butylbenzene	0.0632	0.200 ug/L		30	78 - 129	30	78 - 129	30
4-Isopropyl Toluene	0.0753	0.200 ug/L		30	79 - 130	30	79 - 130	30
1,3-Dichlorobenzene	0.0751	0.200 ug/L		30	80 - 120	30	80 - 120	30
1,4-Dichlorobenzene	0.104	0.200 ug/L		30	80 - 120	30	80 - 120	30
n-Butylbenzene	0.180	0.200 ug/L		30	74 - 129	30	74 - 129	30
1,2-Dichlorobenzene	0.0846	0.200 ug/L		30	80 - 120	30	80 - 120	30
1,2-Dibromo-3-chloropropane	0.394	0.500 ug/L		30	62 - 123	30	62 - 123	30
Hexachloro-1,3-Butadiene	1.00	2.00 ug/L		30	65 - 145	30	65 - 145	30
1,2,3-Trichlorobenzene	0.252	0.500 ug/L		30	49 - 133	30	49 - 133	30
Methyl tert-butyl Ether	0.140	0.500 ug/L		30	71 - 132	30	71 - 132	30
surr: 1,2-Dichloroethane-d4			80 - 129					
surr: 1,2-Dichlorobenzene-d4			80 - 120					
surr: Toluene-d8			80 - 120					
surr: 4-Bromofluorobenzene			80 - 120					
Pentafluorobenzene		ug/L						
Chlorobenzene-d5		ug/L						



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Analysis Details								
Analyte	MDL	Reporting	Surrogate	Duplicate	Matrix Spike		BlankSpike/LCS	
		Limit	%R	RPD	%R	RPD	%R	RPD
1,4-Difluorobenzene		ug/L						
1,4-Dichlorobenzene-d4		ug/L						



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Analysis Details

Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike %R	RPD	BlankSpike/LCS %R	RPD
Semivolatile Organic Compounds in Water (EPA 625.1) Version: None								
Phenol	0.232	1.00 ug/L		30	10 - 120	30	10 - 120	30
bis(2-chloroethyl) ether	0.265	1.00 ug/L		30	57.3 - 120	30	57.3 - 120	30
2-Chlorophenol	0.185	1.00 ug/L		30	46 - 120	30	46 - 120	30
1,3-Dichlorobenzene	0.201	1.00 ug/L		30	32 - 120	30	32 - 120	30
1,4-Dichlorobenzene	0.208	1.00 ug/L		30	34 - 120	30	34 - 120	30
1,2-Dichlorobenzene	0.233	1.00 ug/L		30	32 - 120	30	32 - 120	30
Benzyl alcohol	0.500	2.00 ug/L		30	20 - 120	30	20 - 120	30
2,2'-Oxybis(1-chloropropane)	0.359	1.00 ug/L		30	52.3 - 120	30	52.3 - 120	30
2-Methylphenol	0.215	1.00 ug/L		30	42 - 120	30	42 - 120	30
Hexachloroethane	0.227	2.00 ug/L		30	25 - 120	30	25 - 120	30
N-Nitroso-di-n-Propylamine	0.239	1.00 ug/L		30	53 - 120	30	53 - 120	30
4-Methylphenol	0.263	2.00 ug/L		30	42 - 120	30	42 - 120	30
Nitrobenzene	0.269	1.00 ug/L		30	54 - 120	30	54 - 120	30
Isophorone	0.756	1.00 ug/L		30	64 - 142	30	64 - 142	30
2-Nitrophenol	0.189	3.00 ug/L		30	52 - 120	30	52 - 120	30
2,4-Dimethylphenol	1.00	3.00 ug/L		30	20 - 120	30	20 - 120	30
Bis(2-Chloroethoxy)methane	0.254	1.00 ug/L		30	65.2 - 120	30	65.2 - 120	30
2,4-Dichlorophenol	0.870	3.00 ug/L		30	36 - 125	30	36 - 125	30
1,2,4-Trichlorobenzene	0.190	1.00 ug/L		30	40 - 120	30	40 - 120	30
Naphthalene	0.302	1.00 ug/L		30	48 - 120	30	48 - 120	30
Benzoic acid	1.50	20.0 ug/L		30	28 - 122	30	28 - 122	30
4-Chloroaniline	0.915	5.00 ug/L		30	10 - 120	30	10 - 120	30
2,6-Dinitrotoluene	1.10	3.00 ug/L		30	39 - 151	30	39 - 151	30
Hexachlorobutadiene	0.243	3.00 ug/L		30	25 - 120	30	25 - 120	30
4-Chloro-3-Methylphenol	0.899	3.00 ug/L		30	54.6 - 120	30	54.6 - 120	30
Hexachlorocyclopentadiene	0.990	5.00 ug/L		30	10 - 120	30	10 - 120	30
2,4,6-Trichlorophenol	1.15	3.00 ug/L		30	58.5 - 120	30	58.5 - 120	30
2,4,5-Trichlorophenol	0.999	5.00 ug/L		30	58.2 - 120	30	58.2 - 120	30
2-Chloronaphthalene	0.195	1.00 ug/L		30	53 - 120	30	53 - 120	30
2-Nitroaniline	1.18	3.00 ug/L		30	61.8 - 120	30	61.8 - 120	30
Acenaphthylene	0.193	1.00 ug/L		30	56.5 - 120	30	56.5 - 120	30
Dimethylphthalate	0.199	1.00 ug/L		30	65 - 120	30	65 - 120	30
Acenaphthene	0.199	1.00 ug/L		30	54 - 120	30	54 - 120	30
3-Nitroaniline	1.03	3.00 ug/L		30	41.2 - 123	30	41.2 - 120	30
2-Methylnaphthalene	0.210	1.00 ug/L		30	51 - 120	30	51 - 120	30
2,4-Dinitrophenol	1.66	20.0 ug/L		30	10 - 168	30	10 - 168	30
Dibenzofuran	0.193	1.00 ug/L		30	61.9 - 120	30	61.9 - 120	30
4-Nitrophenol	0.692	10.0 ug/L		30	10 - 120	30	10 - 120	30



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Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike		Blank Spike/LCS	
					%R	RPD	%R	RPD
2,4-Dinitrotoluene	1.02	3.00 ug/L		30	50 - 122	30	50 - 122	30
Fluorene	0.205	1.00 ug/L		30	62.3 - 120	30	62.3 - 120	30
4-Chlorophenylphenyl ether	0.214	1.00 ug/L		30	66.2 - 120	30	66.2 - 120	30
Diethyl phthalate	0.256	1.00 ug/L		30	62 - 120	30	62 - 120	30
4-Nitroaniline	1.15	3.00 ug/L		30	50 - 135	30	50 - 135	30
4,6-Dinitro-2-methylphenol	2.36	10.0 ug/L		30	32.6 - 159	30	32.6 - 159	30
N-Nitrosodiphenylamine	0.231	1.00 ug/L		30	66 - 120	30	66 - 120	30
4-Bromophenyl phenyl ether	0.274	1.00 ug/L		30	66.2 - 120	30	66.2 - 120	30
Hexachlorobenzene	0.228	1.00 ug/L		30	62.2 - 120	30	62.2 - 120	30
Pentachlorophenol	1.21	10.0 ug/L		30	40.7 - 124	30	40.7 - 124	30
Phenanthrene	0.197	1.00 ug/L		30	61 - 120	30	61 - 120	30
Anthracene	0.253	1.00 ug/L		30	45 - 120	30	45 - 120	30
Carbazole	0.269	1.00 ug/L		30	58 - 123	30	58 - 123	30
Di-n-butylphthalate	0.276	1.00 ug/L		30	69.2 - 120	30	69.2 - 120	30
Fluoranthene	0.238	1.00 ug/L		30	67.9 - 120	30	67.9 - 120	30
Pyrene	0.341	1.00 ug/L		30	47 - 124	30	47 - 124	30
Butylbenzylphthalate	0.361	1.00 ug/L		30	52 - 124	30	52 - 124	30
Benzo(a)anthracene	0.217	1.00 ug/L		30	54 - 120	30	54 - 120	30
3,3'-Dichlorobenzidine	2.52	5.00 ug/L		30	41 - 171	30	41 - 171	30
Chrysene	0.215	1.00 ug/L		30	55 - 120	30	55 - 120	30
bis(2-Ethylhexyl)phthalate	0.328	3.00 ug/L		30	67.2 - 123	30	67.2 - 123	30
Di-n-Octylphthalate	0.266	1.00 ug/L		30	60.9 - 120	30	60.9 - 120	30
Benzo(a)pyrene	0.231	1.00 ug/L		30	57 - 122	30	57 - 122	30
Indeno(1,2,3-cd)pyrene	0.472	1.00 ug/L		30	40 - 147	30	40 - 147	30
Dibenzo(a,h)anthracene	0.543	1.00 ug/L		30	37 - 148	30	37 - 148	30
Benzo(g,h,i)perylene	0.473	1.00 ug/L		30	42 - 168	30	42 - 168	30
Benzo(a)fluoranthene, Total	0.377	2.00 ug/L		30	50 - 120	30	50 - 120	30
1-Methylnaphthalene	0.261	1.00 ug/L		30	54.4 - 120	30	54.4 - 120	30
surr: 2-Fluorophenol			32.5 - 120	30				
surr: Phenol-d5			17.8 - 120	30				
surr: 2-Chlorophenol-d4			55 - 120	30				
surr: 1,2-Dichlorobenzene-d4			49.3 - 120	30				
surr: Nitrobenzene-d5			56.1 - 120	30				
surr: 2-Fluorobiphenyl			54.4 - 120	30				
surr: 2,4,6-Tribromophenol			49.3 - 128	30				
surr: p-Terphenyl-d14			60 - 120	30				
1,4-Dichlorobenzene-d4		ug/L						
Naphthalene-d8		ug/L						
Acenaphthene-d10		ug/L						



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Phenanthrene-d10		ug/L						
Chrysene-d12		ug/L						
Di-n-Octylphthalate-d4		ug/L						
Perylene-d12		ug/L						

Polynuclear Aromatic Hydrocarbons in Water (EPA 8270E-SIM) Version: None

Naphthalene	0.0169	0.100 ug/L		30	18 - 120	30	18 - 120	30
2-Methylnaphthalene	0.0259	0.100 ug/L		30	23 - 120	30	23 - 120	30
1-Methylnaphthalene	0.0196	0.100 ug/L		30	25 - 120	30	25 - 120	30
Acenaphthylene	0.0232	0.100 ug/L		30	15 - 120	30	15 - 120	30
Acenaphthene	0.0203	0.100 ug/L		30	23 - 120	30	23 - 120	30
Dibenzofuran	0.0217	0.100 ug/L		30	26 - 120	30	26 - 120	30
Fluorene	0.0161	0.100 ug/L		30	27 - 120	30	27 - 120	30
Phenanthrene	0.0243	0.100 ug/L		30	27 - 120	30	27 - 120	30
Anthracene	0.0228	0.100 ug/L		30	20 - 120	30	20 - 120	30
Fluoranthene	0.0161	0.100 ug/L		30	32 - 120	30	32 - 120	30
Pyrene	0.0254	0.100 ug/L		30	26 - 120	30	26 - 120	30
Benzo(a)anthracene	0.0458	0.100 ug/L		30	25 - 120	30	25 - 120	30
Chrysene	0.0552	0.100 ug/L		30	31 - 120	30	31 - 120	30
Benzo(b)fluoranthene	0.0854	0.100 ug/L		30	31 - 150	30	31 - 150	30
Benzo(k)fluoranthene	0.0864	0.100 ug/L		30	34 - 144	30	34 - 144	30
Benzo(j)fluoranthene	0.0309	0.100 ug/L		30	33 - 153	30	33 - 153	30
Benzo(a)fluoranthene, Total	0.191	0.200 ug/L		30	33 - 148	30	33 - 148	30
Benzo(a)pyrene	0.0559	0.100 ug/L		30	20 - 120	30	20 - 120	30
Indeno(1,2,3-cd)pyrene	0.0840	0.100 ug/L		30	46 - 130	30	46 - 130	30
Dibenzo(a,h)anthracene	0.0900	0.100 ug/L		30	43 - 146	30	43 - 146	30
Benzo(g,h,i)perylene	0.0721	0.100 ug/L		30	40 - 144	30	40 - 144	30
surr: 2-Methylnaphthalene-d10			31 - 120					
surr: Dibenzo[a,h]anthracene-d14			10 - 125					
surr: Fluoranthene-d10			46 - 121					
Naphthalene-d8		ug/L						
Acenaphthene-d10		ug/L						
Phenanthrene-d10		ug/L						
Chrysene-d12		ug/L						
Perylene-d12		ug/L						



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Polynuclear Aromatic Hydrocarbons in Solid (EPA 8270E-SIM) Version: None								
Naphthalene	1.28	5.00 ug/kg		30	23 - 120	30	23 - 120	30
2-Methylnaphthalene	1.10	5.00 ug/kg		30	25 - 120	30	25 - 120	30
1-Methylnaphthalene	0.401	5.00 ug/kg		30	26 - 120	30	26 - 120	30
Acenaphthylene	1.08	5.00 ug/kg		30	16 - 120	30	16 - 120	30
Acenaphthene	0.571	5.00 ug/kg		30	23 - 120	30	23 - 120	30
Dibenzofuran	1.38	5.00 ug/kg		30	26 - 120	30	26 - 120	30
Fluorene	0.631	5.00 ug/kg		30	27 - 120	30	27 - 120	30
Phenanthrene	0.718	5.00 ug/kg		30	30 - 120	30	30 - 120	30
Anthracene	0.871	5.00 ug/kg		30	22 - 120	30	22 - 120	30
Fluoranthene	0.470	5.00 ug/kg		30	31 - 120	30	31 - 120	30
Pyrene	0.626	5.00 ug/kg		30	30 - 120	30	30 - 120	30
Benzo(a)anthracene	0.824	5.00 ug/kg		30	32 - 120	30	32 - 120	30
Chrysene	1.05	5.00 ug/kg		30	35 - 120	30	35 - 120	30
Benzo(b)fluoranthene	1.37	5.00 ug/kg		30	25 - 150	30	25 - 150	30
Benzo(k)fluoranthene	0.760	5.00 ug/kg		30	30 - 141	30	30 - 141	30
Benzo(j)fluoranthene	0.680	5.00 ug/kg		30	26 - 143	30	26 - 143	30
Benzo(a)fluoranthene, Total	3.01	10.0 ug/kg		30	29 - 141	30	29 - 141	30
Benzo(a)pyrene	0.614	5.00 ug/kg		30	19 - 120	30	19 - 120	30
Indeno(1,2,3-cd)pyrene	1.05	5.00 ug/kg		30	36 - 138	30	36 - 138	30
Dibenzo(a,h)anthracene	0.891	5.00 ug/kg		30	35 - 149	30	35 - 149	30
Benzo(g,h,i)perylene	1.06	5.00 ug/kg		30	35 - 144	30	35 - 144	30
surr: 2-Methylnaphthalene-d10			32 - 120					
surr: Dibenzo[a,h]anthracene-d14			21 - 133					
surr: Fluoranthene-d10			36 - 134					
Naphthalene-d8		ug/kg						
Acenaphthene-d10		ug/kg						
Phenanthrene-d10		ug/kg						
Chrysene-d12		ug/kg						
Perylene-d12		ug/kg						
TPH (Extractables) low level in Water (NWTPH-Dx) Version: None								
Diesel Range Organics (C12-C24)	0.0330	0.100 mg/L		30	56 - 120	30	56 - 120	30
Motor Oil Range Organics (C24-C38)	0.0560	0.200 mg/L		30	30 - 160	30	30 - 160	30
surr: o-Terphenyl			50 - 150					
TPH (Extractables) in Solid (NWTPH-Dx) Version: None								
Diesel Range Organics (C12-C24)	20.3	50.0 mg/kg		30	63 - 120	30	63 - 120	30
Motor Oil Range Organics (C24-C38)	21.0	100 mg/kg		30		30		30
surr: o-Terphenyl			50 - 150					



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Organochlorine Pesticides (Low Level Water) in Water (EPA 608.3) Version: None								
alpha-BHC	0.0000940	0.000625 ug/L		30	30 - 160	30	30 - 160	30
beta-BHC	0.000144	0.000625 ug/L		30	30 - 160	30	30 - 160	30
gamma-BHC (Lindane)	0.000134	0.000625 ug/L		30	30 - 160	30	30 - 160	30
delta-BHC	0.000105	0.000625 ug/L		30	30 - 160	30	30 - 160	30
Heptachlor	0.000171	0.000625 ug/L		30	30 - 160	30	30 - 160	30
Aldrin	0.000153	0.000625 ug/L		30	30 - 160	30	30 - 160	30
Heptachlor Epoxide	0.000175	0.000625 ug/L		30	30 - 160	30	30 - 160	30
trans-Chlordane (beta-Chlordane)	0.000233	0.000625 ug/L		30	30 - 160	30	30 - 160	30
cis-Chlordane (alpha-chlordane)	0.000130	0.000625 ug/L		30	30 - 160	30	30 - 160	30
Endosulfan I	0.000131	0.000625 ug/L		30	30 - 160	30	30 - 160	30
4,4'-DDE	0.000276	0.00125 ug/L		30	30 - 160	30	30 - 160	30
Dieldrin	0.000356	0.00125 ug/L		30	30 - 160	30	30 - 160	30
Endrin	0.000131	0.00125 ug/L		30	30 - 160	30	30 - 160	30
Endosulfan II	0.000211	0.00125 ug/L		30	30 - 160	30	30 - 160	30
4,4'-DDD	0.000181	0.00125 ug/L		30	30 - 160	30	30 - 160	30
Endrin Aldehyde	0.000364	0.00125 ug/L		30	30 - 160	30	30 - 160	30
4,4'-DDT	0.000385	0.00125 ug/L		30	30 - 160	30	30 - 160	30
Endosulfan Sulfate	0.000261	0.00125 ug/L		30	30 - 160	30	30 - 160	30
Endrin Ketone	0.000261	0.00125 ug/L		30	30 - 160	30	30 - 160	30
Methoxychlor	0.00207	0.00625 ug/L		30	30 - 160	30	30 - 160	30
Hexachlorobutadiene	0.000322	0.00125 ug/L		30	30 - 160	30	30 - 160	30
Hexachlorobenzene	0.000248	0.00125 ug/L		30	30 - 160	30	30 - 160	30
Oxychlordane	0.00125	0.00125 ug/L		30	30 - 160	30	30 - 160	30
cis-Nonachlor	0.00125	0.00125 ug/L		30	30 - 160	30	30 - 160	30
trans-Nonachlor	0.00125	0.00125 ug/L		30	30 - 160	30	30 - 160	30
surr: Decachlorobiphenyl			30 - 160	30				
surr: Tetrachlorometaxylene			30 - 160	30				
1-Bromo-2-Nitrobenzene		ug/L						
Hexabromobiphenyl		ug/L						



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Chlorinated Pesticides in Water (EPA 608.3) Version: None								
alpha-BHC	0.00850	0.0250 ug/L		30	57 - 120	30	57 - 120	30
beta-BHC	0.00980	0.0250 ug/L		30	59 - 120	30	59 - 120	30
gamma-BHC (Lindane)	0.0159	0.0250 ug/L		30	62 - 120	30	62 - 120	30
delta-BHC	0.00870	0.0250 ug/L		30	45 - 145	30	15 - 145	30
Heptachlor	0.0113	0.0250 ug/L		30	54 - 120	30	54 - 120	30
Aldrin	0.0103	0.0250 ug/L		30	47 - 120	30	47 - 120	30
Heptachlor Epoxide	0.00790	0.0500 ug/L		30	63 - 120	30	63 - 120	30
trans-Chlordane (beta-Chlordane)	0.00820	0.0250 ug/L		30	63 - 120	30	63 - 120	30
cis-Chlordane (alpha-chlordane)	0.00820	0.0250 ug/L		30	60 - 120	30	60 - 120	30
Endosulfan I	0.00890	0.0250 ug/L		30	58 - 121	30	58 - 121	30
4,4'-DDE	0.0184	0.0500 ug/L		30	69 - 128	30	69 - 128	30
Dieldrin	0.0168	0.0500 ug/L		30	62 - 120	30	62 - 120	30
Endrin	0.0167	0.0500 ug/L		30	64 - 120	30	64 - 120	30
Endosulfan II	0.0139	0.0500 ug/L		30	64 - 120	30	64 - 120	30
4,4'-DDD	0.0186	0.0500 ug/L		30	63 - 120	30	63 - 120	30
Endrin Aldehyde	0.0163	0.0500 ug/L		30	41 - 120	30	41 - 120	30
4,4'-DDT	0.0169	0.0500 ug/L		30	57 - 124	30	57 - 124	30
Endosulfan Sulfate	0.0235	0.0500 ug/L		30	47 - 120	30	47 - 120	30
Endrin Ketone	0.0151	0.0500 ug/L		30	58 - 120	30	58 - 120	30
Methoxychlor	0.0744	0.250 ug/L		30	56 - 120	30	56 - 120	30
Hexachlorobutadiene	0.0123	0.0500 ug/L		30	20 - 120	30	20 - 120	30
Hexachlorobenzene	0.0101	0.0500 ug/L		30	41 - 160	30	41 - 120	30
Oxychlordane	0.0356	0.0500 ug/L		30	30 - 160	30	30 - 160	30
cis-Nonachlor	0.00950	0.0500 ug/L		30	30 - 160	30	30 - 160	30
trans-Nonachlor	0.00860	0.0500 ug/L		30	30 - 160	30	30 - 160	30
surr: Decachlorobiphenyl			11 - 144	30				
surr: Tetrachlorometaxylene			30 - 120	30				
1-Bromo-2-Nitrobenzene		ug/L						
Hexabromobiphenyl		ug/L						



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Aroclor PCBs (0.01 ug/L or 20 ug/kg) in Water (EPA 608.3) Version: None								
Aroclor 1016	0.00248	0.0100 ug/L		30	44 - 120	30	44 - 120	30
Aroclor 1221	0.00276	0.0100 ug/L		30				
Aroclor 1232	0.00276	0.0100 ug/L		30				
Aroclor 1242	0.00248	0.0100 ug/L		30				
Aroclor 1248	0.00248	0.0100 ug/L		30				
Aroclor 1254	0.00248	0.0100 ug/L		30				
Aroclor 1260	0.00276	0.0100 ug/L		30	46 - 131	30	46 - 131	30
Aroclor 1262	0.00276	0.0100 ug/L		30				
Aroclor 1268	0.00276	0.0100 ug/L		30				
surr: Decachlorobiphenyl			21 - 120					
surr: Tetrachlorometaxylene			19 - 120					
1-Bromo-2-Nitrobenzene		ug/L						
Hexabromobiphenyl		ug/L						

Aroclor PCBs (1.0 ug/L) in Water (EPA 608.3) Version: None

Aroclor 1016	0.130	1.00 ug/L		30	62 - 120	30	62 - 120	30
Aroclor 1221	0.147	1.00 ug/L		30				
Aroclor 1232	0.147	1.00 ug/L		30				
Aroclor 1242	0.147	1.00 ug/L		30				
Aroclor 1248	0.130	1.00 ug/L		30				
Aroclor 1254	0.130	1.00 ug/L		30				
Aroclor 1260	0.147	1.00 ug/L		30	61 - 120	30	61 - 120	30
Aroclor 1262	0.147	1.00 ug/L		30				
Aroclor 1268	0.147	1.00 ug/L		30				
surr: Decachlorobiphenyl			29 - 120					
surr: Tetrachlorometaxylene			35 - 120					
1-Bromo-2-Nitrobenzene		ug/L						
Hexabromobiphenyl		ug/L						

Metals, TCLP (RCRA) 6010D 7470 1311 in Solid (EPA 6010D) Version: None

Arsenic	0.0140	0.250 mg/L		20	75 - 125	20	80 - 120	20
Barium	0.00747	0.0150 mg/L		20	75 - 125	20	80 - 120	20
Cadmium	0.000620	0.0100 mg/L		20	75 - 125	20	80 - 120	20
Chromium	0.00235	0.0250 mg/L		20	75 - 125	20	80 - 120	20
Lead	0.00652	0.100 mg/L		20	75 - 125	20	80 - 120	20
Selenium	0.0408	0.250 mg/L		20	75 - 125	20	80 - 120	20
Silver	0.00219	0.0150 mg/L		20	75 - 125	20	80 - 120	20

Metals, TCLP (RCRA) 6010D 7470 1311 in Solid (EPA 7470A) Version: None

Mercury	0.00000700	0.000100 mg/L		20	75 - 125	20	80 - 120	20
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Alkalinity, Total in Water (SM 2320 B-11) Version: None								
Alkalinity, Total	1.00	10 mg/L CaCO3		20		90 - 110	20	
Ammonia-N in Water (SM 4500-NH3 H-11) Version: None								
Ammonia-N	0.0400	0.0400 mg/L		20	75 - 125	90 - 110	20	
Organic Carbon, Total (TOC) in Water (SM 5310 B-11) Version: None								
Total Organic Carbon	0.5000	0.5000 mg/L		20	75 - 125	20	90 - 110	20
Chemical Oxygen Demand (COD) in Water (SM 5220 D-11) Version: None								
COD	10.0	10.0 mg/L		10	90 - 110	10	90 - 110	10
Chloride (IC) in Water (EPA 300.0) Version: None								
Chloride	0.100	0.100 mg/L		20	75 - 125	20	90 - 110	20
Cyanide, Total (Direct Distillation) in Water (EPA 9014) Version: None								
Cyanide, Total	0.00500	0.00500 mg/L		20	75 - 125	20	75 - 125	20
Nitrate + Nitrite-N in Water (EPA 353.2) Version: None								
Nitrate + Nitrite as N	0.0100	0.0100 mg/L		20	75 - 125	20	90 - 110	20
Nitrogen, Total Kjeldahl in Water (EPA 351.2) Version: None								
Total Kjeldahl Nitrogen	0.500	0.500 mg/L		20	75 - 125		90 - 110	20
Nitrogen, Total Kjeldahl in Water (SM 4500-Norg D-11) Version: None								
Total Kjeldahl Nitrogen	0.500	0.500 mg/L		20	75 - 125		90 - 110	20
Phenolics in Water (EPA 420.1) Version: None								
Total Phenolics	0.0400	0.0400 mg/L		20	75 - 125		90 - 110	20
Phosphorus, Ortho-P (SRP) in Water (SM 4500-P E-11) Version: None								
Orthophosphorus	0.00400	0.00400 mg-P/L		20	75 - 125		90 - 110	20
Phosphorous, Total in Water (SM 4500-P E-11) Version: None								
Total Phosphorus	0.00800	0.00800 mg-P/L		20	75 - 125		90 - 110	20
Ammonia-N (in Solid) in Solid (SM 4500-NH3 H-11) Version: None								
Ammonia-N	0.400	0.400 mg/kg NH3-N		20	75 - 125		90 - 110	20
Nitrate + Nitrite-N, Solid Matrix in Solid (EPA 353.2) Version: None								
Nitrate + Nitrite as N	0.100	0.100 mg/kg		20	75 - 125		90 - 110	20
Phosphorous, Total in Solid (SM 4500-P E-11) Version: None								
Total Phosphorus	2.67	2.67 mg-P/kg		20	75 - 125		90 - 110	20
Solids, Total, Dried at 103 -105 °C in Solid (SM 2540 G-11) Version: None								
Total Solids	0.04000	0.04000 %		20				
Metals, TCLP (RCRA) 6010D 7470 1311 in Solid (EPA 1311) Version: None								



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Analysis Details								
Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike		BlankSpike/LCS	
					%R	RPD	%R	RPD
Composite sample in Water (Laboratory SOP) Version: None								
Composite sample for Extractables Testing in Water (Laboratory SOP) Version: None								
Composite sample for Metals Testing in Water (Laboratory SOP) Version: None								
Composite sample for VOC testing in Water (Laboratory SOP) Version: None								
Filter 0.45 micron (O-Phos) in Water (Laboratory SOP) Version: None								
Filter 0.45 micron in Water (Laboratory SOP) Version: None								
Metals, TCLP (RCRA) 6010D 7470 1311 in Solid (Digest per Method) Version: None								



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Terms and Conditions

Sample Receiving Hours:

Samples are routinely accepted from 07:30 to 18:00 (Pacific Time) Monday through Friday and 08:00 to 12:00 on Saturday at ARI's facility located at 4611 S. 134th Place, Suite 100, Tukwila, WA 98168. When samples must be delivered at other times, or a Sunday, or holiday, the Client must pre-arrange the delivery at least 24 hours in advance. With prior arrangement, samples may be placed in a secure locker at ARI's facility anytime 24 hours per day 7 days a week. Such samples will be officially received the next business day. Samples accepted at the premises after 3:00 p.m. on any day will be logged into the ARI LIMS data system on that day, but the turnaround time may be calculated starting the following morning at 7:30 A.M.

To provide a supportive work environment for its employees, ARI reserves the right to refuse samples with short holding times or expedited turnaround times that would require staff to work on scheduled holidays. Scheduled holidays include; New Year's Day, Memorial Day, July 4th, Thanksgiving Day and Christmas Day. Adherence to holding times may not be guaranteed for samples delivered within these specified holiday periods.

Safety:

ARI will not accept any sample which in its judgment, may pose an increased health, safety or environmental risk during routine processing for which ARI is not equipped to handle. Radioactive samples (>250 uR/hr) are not accepted. It is a client's responsibility to notify ARI when their samples pose or are suspected to pose a health or safety risk.

ARI operates an extensive disposal program to ensure that all laboratory wastes, including samples, are disposed of safely in accordance with federal, state and local regulations. In effort to minimize waste, this program requires that samples be submitted only in the amounts specified by ARI. Samples arriving with volumes in excess may be subject to an additional charge for sample disposal. Clients may consult an ARI Project Manager for guidance on appropriate sample collection volumes.

Acceptable Samples:

Samples are considered acceptable when meeting the following requirements. ARI will attempt to resolve acceptability issues with clients when samples arrive at the lab. When specific acceptability issues cannot be resolved, samples will be returned to ARI's client. Analysis of non-conforming samples will be documented in ARI's final analytical report.

1. Timelines:

Holding Time is the maximum amount of time that may elapse between sample collection and sample preparation or analysis. Holding times are prescribed by regulatory agencies and documented in published analytical methods or Quality Assurance documents. Adherence to method specified holding times is required.

ARI will make every attempt to meet holding times specified in the applicable methodology or a contractual agreement. ARI's client is responsible for delivering samples to the laboratory with sufficient time to complete the analysis within the prescribed holding time. Samples may not be accepted when holding times have been exceeded or will be exceeded before analysis can take place unless the client authorizes analysis. When this happens, ARI will contact the Client to determine how to proceed with the analysis.

ARI reserves the right to assess rush surcharges for samples received with less than 72 hours remaining in the holding time from collection. These charges may also be applied if analytical requirements for already delivered samples are not received until there is less than 72 hours left in the holding time.

2. Sample Containers:

Sample must be submitted in an appropriate sample container with sufficient sample volume to perform all requested analyses. When ARI receives a sample with insufficient sample volume, the client will be contacted to determine how to process the sample. Inappropriate sample container material may affect analytical results; therefore, samples must be submitted only in approved sample containers. If insufficient sample volume is received by the laboratory to achieve published reporting limits for a specified analysis, the project manager (PM) will inform the Client and discuss options for reporting elevated limits or re-sampling.

3. Preservation:

Chemical or thermal preservation for samples may be required to halt or reduce natural degradation. All samples requiring preservation must be pre-preserved prior to arriving at ARI. ARI will provide sample containers with appropriate preservative upon request.

Samples requiring thermal preservation must be received at a temperature between ≥ 0.0 and ≤ 6.0 °C. Samples received on ice where insufficient time has elapsed between sample collection and sample receipt, are acceptable if the cooling process has begun.

ARI's client will be notified when samples are received outside of acceptable temperature range or without proper chemical preservation. ARI staff will attempt to preserve improperly preserved samples upon arrival but when such preservation is not possible, the samples may be refused unless the client authorizes analysis.

Water samples for volatile organic analysis (VOA) and ferrous iron (Fe+2) are exceptions. Due to the nature of these analytes and method requirements, the preservation is checked after the samples are analyzed. When aqueous VOA or Fe+2 samples do not meet preservation requirement it will be explained in the project narrative. Non-compliant samples analyzed under these conditions will be billed to the client.

4. Documentation:

Proper, full, and complete documentation must accompany each sample. At a minimum, this will include a Chain of Custody or similar document that includes:

- Sample identification(s) that match the container label(s)
- The date and time of sample collection
- Identification of the sample collector
- The client's identity
- The type of sample
- The analyses requested
- The type of preservation (when required)
- The turnaround time requested
- Special instructions for sample handling or analysis
- Name and signature of relinquishing party and date/time samples were relinquished to ARI.
- Name and signature of ARI staff receiving the sample including the date and time of receipt at ARI.

Additional documentation may be required including but not limited to: lists of project specific instructions (reporting limits, control limits, deliverable requirements etc.), USDA Regulated Soils or Tissue Import permit documents, etc.

All documentation must be legible and produced using indelible ink on durable (water-resistant) labels or paper. If the laboratory cannot decipher the identity of a sample, it may be rejected and the client notified.

ARI will attempt to contact the client to obtain any missing information. If the client cannot be immediately contacted, and hold times are not an issue, the sample(s) will be appropriately stored and will not be logged in until the information is acquired. However, if a delay in sample log-in could result in missed hold times for any of the requested analyses, ARI may proceed with log-in and analysis based on the information provided. In these cases, requested turnaround times may be exceeded and ARI is not liable for errors resulting from not having sufficient information to meet the client's expectations. The client will be liable for all analyses conducted to meet holding time requirements.

Changes to requested analyses received after samples have been accepted by ARI must be submitted by written request to ARI's Project manager. E-mail and/or fax requests are acceptable. Clients are responsible for cost incurred by ARI prior to receiving a request to modify requested analyses.

ARI will accept a sample or group of samples by signing the accompanying Chain-of-Custody record(s). Prior to ARI's acceptance of any sample, the entire risk of loss of or damage to such sample shall remain with the client. In no event, will ARI have any responsibility or liability for the action or inaction of any carrier handling shipment or delivery of samples to ARI.

Hazardous Waste:

ARI reserves the right to charge a disposal fee not to exceed \$10.00 per sample. ARI also reserves the right to return any sample to the Client. Client agrees to accept the return of such samples to its facilities and bear the costs for preparation and transport of the hazardous samples. All samples containing PCB concentrations greater than 50 ppm will incur a disposal fee of \$50.00 per sample due to transportation and disposal costs.



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Sample Storage and Disposal:

ARI will archive water samples for 30 days, soil samples for 60 days, and frozen solids or tissues for 1 year from collection. When this time expires, ARI will return the samples to the client or properly dispose of the samples. ARI reserves the right to charge for storage when a client requests longer sample archival or delivers samples that are not analyzed. Samples that arrive at ARI with a request to be placed 'On Hold' by the client are done so at the client's risk. It is the client's responsibility to notify ARI prior to 24 hours of the expiration of the holding time to proceed with any analysis. Samples released from hold that are approaching expiration of holding times may incur rush fees to complete the extraction/analysis.

Minimum Fee:

A seventy dollar (\$70) minimum charge is required for sample log-in and processing per work order received. This charge applies even if samples are placed on hold and then cancelled. Samples placed on hold and not analyzed may be subject to charges equal to 25% of the original analytical fee.

Reporting Limits:

ARI's reporting limits are based on method detection limit (MDL) studies and demonstrated analyte response. These limits consider sample weights or volumes, and extract or digest volumes as specified in ARI Standard Operating Procedures (SOP). Reporting limits are matrix dependent. The sample matrix may preclude achievement of published reporting limits. ARI's analysts will endeavor to analyze samples as concentrated as possible based on the matrix. It is at the discretion of ARI to define the point at which sample overload will damage the analytical system.

QA Acceptance Criteria:

ARI calculates and publishes acceptance limits for QA parameters including but not limited to LSC spike recovery, matrix spike recovery and replicate RPD. These limits are based on historic data, reviewed at least quarterly and updated as necessary. ARI's published QA acceptance criteria may change between the time a quotation is prepared and when samples arrive at ARI's facility.

Turnaround Time:

Turnaround time (TAT) constitutes the number of working days between sample receipt and due date for delivery of the analytical results. If the due date falls on a weekend or holiday, the TAT will extend to the following business day. ARI shall make every reasonable effort to meet any due dates quoted or acknowledged. Upon the request of the Client and subject to ARI's approval, ARI may agree to use its best efforts to perform services for the Client on an expedited basis. ARI reserves the right to assess a surcharge for expedited (RUSH) services. If expedited services cannot be performed and the results thereof provided in writing by the specified date, ARI will, subject to the provisions and to the extent available, provide verbal results by telephone to the Client on such specified date to fully satisfy its obligations. Please see quote for expedited (RUSH) service pricing.

Additional services:

Additional services may be required to accurately analyze samples. These services may include pre-screening, digestion, filtration, dilution, or distillation, turbidity analysis, special shipping, handling, or disposal processes and may result in additional costs.

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Analytical Resources, LLC
Analytical Chemists and Consultants

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Analytical Resources-Enviro Analytical Testing Srvcs-PSA-CM-SD

Final Audit Report

2024-04-17

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Status:	Signed
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