



Amendment No. 2
To
Contract No. NI170000005
For
Pollutant Analysis Services
Between
Lower Colorado River Authority
dba LCRA
and the
City of Austin

- 1.0 The City hereby exercises this extension option for the subject contract. This extension option will be September 1, 2019 through August 31, 2020. Two options will remain.
- 2.0 The total contract amount is increased by \$270,000.00 by this extension period. The total contract authorization is recapped below:

Action	Action Amount	Total Contract Amount
Initial Term: 09/01/2016 – 08/31/2019	\$810,000.00	\$810,000.00
Amendment No. 1: Language modification 03/12/2018	\$0.00	\$810,000.00
Amendment No. 2: Option 1 – Extension 09/01/2019 – 08/31/2020	\$270,000.00	\$1,080,000.00

- 3.0 MBE/WBE goals do not apply to this contract.
- 4.0 By signing this Amendment the Contractor certifies that the vendor and its principals are not currently suspended or debarred from doing business with the Federal Government, as indicated by the GSA List of Parties Excluded from Federal Procurement and Non-Procurement Programs, the State of Texas, or the City of Austin.
- 5.0 All other terms and conditions remain the same.

BY THE SIGNATURES affixed below, this amendment is hereby incorporated into and made a part of the above-referenced contract.

City of Austin

By: [Signature]
Rey Arellano,
Assistant City Manager

Date: 8/14/19

Lower Colorado River Authority

By: [Signature]
Dale Jurecka
Director, Environmental Laboratory Services



Date: 9/20/19

Approved as to Form

By: [Signature]
City of Austin Law Department

Date: 9/20/19

Exhibit B
LCRA's Environmental Laboratory Services Price List

Method	Description	Annual Count	Current Contract Price	Proposed New Price	Subcontract Lab
4500-AM-NN	Nitrate/Nitrite	691	\$ 38	\$ 38	
350.1AM	Ammonia-N	667	\$ 35	\$ 35	
365.4AM	Total Phosphate	601	\$ 44	\$ 44	
351.2AM	TKN	586	\$ 48	\$ 48	
2540-AMTSS	TSS	528	\$ 45	\$ 45	
300.0-48H	Anions w/48hr. Hold time	476	\$ 40	\$ 55	
5310-ATOC	TOC	288	\$ 37	\$ 37	
200.8	ICP/Ms Metals	280	\$ 48	\$ 55	
9223-A	E. coli.	234	\$ 40	\$ 45	
200.7	ICP Metals	219	\$ 48	\$ 55	
160.4AM	VSS	214	\$ 45	\$ 45	
2320-AM	Total Alkalinity	186	\$ 35	\$ 35	
410.4AM	COD	163	\$ 69	\$ 23	
365.4AML	Total Phosphate Dissolved	162	\$ 44	\$ 44	
300.0-28D	Anions	146	\$ 40	\$ 55	
200.7-DP	ICP Metals	72	\$ 48	\$ 55	
200.8-DP	ICP/Ms Metals	72	\$ 48	\$ 55	
445.0AM	Chlorophyll/Pheophytin	69	\$ 48	\$ 48	
365.4AMF	Total Phosphate Dissolved	43	\$ 44	\$ 44	
5310-ATOCF	TOC Dissolved	43	\$ 37	\$ 37	
D6503-99-A	Enterococci	18	\$ 128	\$ 128	
525.2AU	Semi-volatile Pesticides	16	\$ 104	\$ 104	
2340-HRD+A	Total Hardness w/analysis	15	\$ 50	\$ 50	
2540-AMTDS	TDS	15	\$ 40	\$ 40	
300.0AM-48	Anions w/48hr. Hold time	4	\$ 40	\$ 55	
245.1AU	Mercury	2	\$ 45	\$ 45	
300.0AM-28	Anions	2	\$ 40	\$ 55	
537 Full	Perfluorinated Compounds	-	\$ 248	\$ 248	
537 Short	Perfluorinated Compounds	-	\$ 248	\$ 248	

Exhibit B

LCRA's Environmental Laboratory Services Price List

Method	Description	Annual Count	Current Contract Price	Proposed New Price	Subcontract Lab
5210-AMBOD	BOD	20	\$ 23	\$ 23	Aquatech
1664-AM	Oil & Grease	16	\$ 30	\$ 30	AnalySys
608-A-U	Organochlorine Pesticides + PCBs	15	\$ 250	\$ 275	AnalySys
8082-SU	PCBs Solids	11	\$ 80	\$ 80	AnalySys
625-A-U	Carbayl	10	\$ 200	\$ 200	AnalySys
8081-SU	Organochlorine Pesticides Solids	9	\$ 130	\$ 130	AnalySys
8270-AU	Low level Semi-volatiles	3	\$ 275	\$ 254	AnalySys
615-A-U	Chlorinated Herbicides	3	\$ 175	\$ 175	AnalySys
1005-AM	TPH	3	\$ 60	\$ 56	AnalySys
8260-AU-FL	Low level Volatiles	3	\$ 100	\$ 100	AnalySys
8270-SU	Low level PAH solids	2	\$ 275	\$ 254	AnalySys
8141-AU	Low level Organophosphorus Pesticides	2	\$ 140	\$ 140	AnalySys
8141-SU	Low level Organophosphorus Pesticides solids	2	\$ 140	\$ 140	AnalySys
8151-AU	Low level Herbicides	2	\$ 140	\$ 140	AnalySys
8260-SU	Low level Volatiles solids	2	\$ 100	\$ 100	AnalySys
8270-SUPAH	Low level PAH solids	1	\$ 112	\$ 112	AnalySys
8082-AU	PCBs	1	\$ 80	\$ 80	AnalySys
8081-AU	Organochlorine Pesticides	1	\$ 130	\$ 130	AnalySys
2130B	Turbidity	-	\$ 14	\$ 14	AnalySys
6010-AMF	TCLP Metals	-	\$ 70	\$ 70	AnalySys
EPA1657	Organophosphorus Pesticides	-	\$ 250	\$ 250	Analab
9222-D	Fecal Coliform	-	\$ 23	\$ 23	Aquatech
EPA1657	Diazinon	-	\$ 250	\$ 250	Analab
SW7470A-TCLP	TCLP Mercury	-	\$ 125	\$ 31	AnalySys
Total Cost		5,918	\$ 263,135	\$ 270,986	

Reflects future tests that will be subcontracted.

3% inc. = \$7,894.05
Amount this inc. = \$7,851.00

**FIRST AMENDMENT TO THE INTERLOCAL AGREEMENT BETWEEN
THE CITY OF AUSTIN AND
THE LOWER COLORADO RIVER AUTHORITY
FOR LABORATORY SERVICES**

This First Amendment to the Interlocal Agreement ("First Amendment") is made by and between the Lower Colorado River Authority, a conservation and reclamation district of the State of Texas ("LCRA") and the City of Austin, Texas, a home-rule municipality and political subdivision of the State of Texas, acting by and through its duly authorized City Manager ("City").

WITNESSETH:

WHEREAS, LCRA and the City entered into that certain Interlocal Agreement Between the City of Austin and the Lower Colorado River Authority for Laboratory Services ("Original Agreement") pursuant to the provisions of the Interlocal Cooperation Act, Texas Government Code Section 791.001 et seq; and

WHEREAS, the Original Agreement provides that it may be amended if the amendment is approved and signed by both parties; and

WHEREAS, LCRA and the City desire to amend the Original Agreement.

NOW, THEREFORE, LCRA and the City agree as follows:

ARTICLE I

1. Section I.B. of the Original Agreement is deleted and replaced with the following:
 - B. LCRA agrees that the schedule of fees in **EXHIBIT B, LCRA's Environmental Laboratory Price List**, attached hereto and incorporated herein for all purposes shall govern transactions from the Effective Date of this First Amendment, and shall not increase more than three percent over the remaining term of this Amendment, including any potential extension options.
2. Exhibit B to the Original Agreement is deleted and replaced with a new Exhibit B attached to this First Amendment as **Attachment One**.

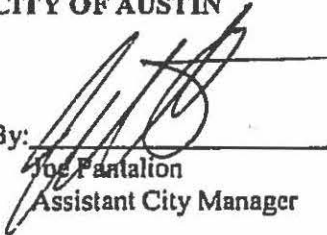
ARTICLE II - GENERAL PROVISIONS

1. All provisions of the Original Agreement not specifically amended herein shall remain in effect.

2. All capitalized terms not otherwise defined in this First Amendment have the meanings assigned to them in the Original Agreement.
3. This First Amendment may be executed in multiple counterparts, each of which shall be considered an original, but all of which together shall constitute one agreement.
4. This First Amendment is effective after execution by the authorized representatives of each party.

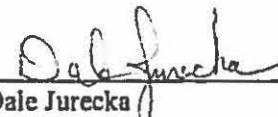
WHEREFORE, premises considered, this First Amendment is executed to be effective as of the last date signed by the parties.

CITY OF AUSTIN

By: 
Joe Pantalion
Assistant City Manager

Date: 3-12-18


**LOWER COLORADO RIVER
AUTHORITY**

By: 
Dale Jurecka
Manager,
Environmental Laboratory Services



Date: 2/23/18

APPROVED AS TO FORM:

By: 
City Law Department

Attachment One

Exhibit B
LCRA's Environmental Laboratory Services Price List

Method	Description	Annual Count	Current Contract Price	Proposed New Price	Subcontract Lab
4500-AM-NN	Nitrate/Nitrite	691	\$ 12	\$ 38	
350.1AM	Ammonia-N	667	\$ 10	\$ 35	
365.4AM	Total Phosphate	601	\$ 15	\$ 44	
351.2AM	TKN	586	\$ 20	\$ 48	
2540-AMTSS	TSS	528	\$ 9	\$ 45	
300.0-48H	Anions w/48hr. Hold time	476	\$ 52	\$ 40	
5310-ATOC	TOC	288	\$ 20	\$ 37	
200.8	ICP/Ms Metals	280	\$ 48	\$ 48	
9223-A	E. coli.	234	\$ 28	\$ 40	
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525.2AU	Semi-volatile Pesticides	16	\$ 105	\$ 104	
2340-HRD+A	Total Hardness w/analysis	15	\$ 37	\$ 50	
2540-AMTDS	TDS	15	\$ 9	\$ 40	
300.0AM-48	Anions w/48hr. Hold time	4	\$ 52	\$ 40	
245.1AU	Mercury	2	\$ 22	\$ 45	
300.0AM-28	Anions	2	\$ 52	\$ 40	
537 Full	Perfluorinated Compounds	-	\$ 400	\$ 248	
537 Short	Perfluorinated Compounds	-	\$ 325	\$ 248	

Exhibit B
LCRA's Environmental Laboratory Services Price List

Method	Description	Annual Count	Current Contract Price	Proposed New Price	Subcontract Lab
5210-AMBOD	BOD	20	\$ 25	\$ 23	Aquatech
1664-AM	Oil & Grease	16	\$ 50	\$ 30	AnalySys
608-A-U	Organochlorine Pesticides + PCBs	11	\$ 165	\$ 250	Analab
8082-SU	PCBs Solids	11	\$ 110	\$ 80	AnalySys
625-A-U	Carbayl	10	\$ 110	\$ 200	AnalySys
8081-SU	Organochlorine Pesticides Solids	9	\$ 165	\$ 130	AnalySys
8270-AU	Low level Semi-volatiles	3	\$ 220	\$ 275	AnalySys
615-A-U	Chlorinated Herbicides	3	\$ 165	\$ 175	AnalySys
1005-AM	TPH	3	\$ 55	\$ 60	AnalySys
8260-AU-FL	Low level Volatiles	3	\$ 150	\$ 100	AnalySys
8270-SU	Low level PAH solids	2	\$ 220	\$ 275	AnalySys
8141-AU	Low level Organophosphorus Pesticides	2	\$ 165	\$ 140	AnalySys
8141-SU	Low level Organophosphorus Pesticides solids	2	\$ 165	\$ 140	AnalySys
8151-AU	Low level Herbicides	2	\$ 165	\$ 140	AnalySys
8260-SU	Low level Volatiles solids	2	\$ 150	\$ 100	AnalySys
8270-SUPAH	Low level PAH solids	1	\$ 180	\$ 112	AnalySys
8082-AU	PCBs	1	\$ 110	\$ 80	AnalySys
8081-AU	Organochlorine Pesticides	1	\$ 165	\$ 130	AnalySys
2130B	Turbidity	-	\$ 10	\$ 14	AnalySys
6010-AMF	TCLP Metals	-	\$ 156	\$ 70	AnalySys
EPA1657	Organophosphorus Pesticides	-	\$ 165	\$ 250	Analab
9222-D	Fecal Coliform	-	\$ 28	\$ 23	Aquatech
EPA1657	Diazinon	-	\$ 110	\$ 250	Analab
SW7470A-TCLP	TCLP Mercury	-	\$ 22	\$ 125	AnalySys
Total Cost		5,914	\$ 143,484	\$ 262,135	

Reflects future tests that will be subcontracted.

**INTERLOCAL AGREEMENT BETWEEN
THE CITY OF AUSTIN AND
THE LOWER COLORADO RIVER AUTHORITY
FOR LABORATORY SERVICES**

This Interlocal Agreement ("Agreement") is made by and between the Lower Colorado River Authority, a conservation and reclamation district of the State of Texas (hereinafter "LCRA") and the City of Austin, Texas, a home-rule municipality and political subdivision of the State of Texas, acting by and through its duly authorized City Manager (hereinafter "City").

WITNESSETH:

WHEREAS, LCRA and the City are authorized to enter into this Agreement pursuant to the provisions of the Interlocal Cooperation Act, Texas Government Code Section 791.001 et seq; and

WHEREAS, the City must monitor the biological, chemical, and environmental parameters for several programs and studies currently in progress, including the City's Texas Pollutant Discharge Elimination System (TPDES) Permit with the Texas Commission for Environmental Quality, to respond to Austin City Council directives, and to provide technical assessments performed for the Watershed Protection Department's Citywide Masterplan; and

WHEREAS, the City and LCRA have a shared goal of monitoring the local environment in order to help safeguard it; and

WHEREAS, the City's Walnut Creek Austin Water Utility Laboratory does not have the capability to perform all of the required quantitative analyses consistently in the required time frames, particularly where extreme low concentrations are anticipated; and

WHEREAS, LCRA and the City desire to enter into this Interlocal Agreement for laboratory analysis based on terms and conditions set forth herein;

NOW, THEREFORE, the LCRA and the City agree as follows:

I. OBLIGATIONS OF LCRA

- A. LCRA agrees to perform various laboratory analyses and retrieving City gathered sample collection as described in **EXHIBIT A, Scope of Work** attached hereto and incorporated herein for all purposes, as well as other analyses not currently provided which may become available from LCRA and necessary to the City over the period of this Agreement.

- B. LCRA agrees that the schedule of fees in **EXHIBIT B, LCRA's Environmental Laboratory Price List 6/22/16**, attached hereto and incorporated herein for all purposes, shall not increase more than ten percent over the six years of the potential term of this Agreement.
- C. LCRA shall provide the data deliverables described in **EXHIBIT C LCRA's ELS Analytical Capabilities 6/22/16**, attached herein and incorporated herein for all purposes.
- D. LCRA shall provide laboratory quality assurance and quality control ("QA/QC") data with transmitted analytical results in accordance with LCRA Quality Assurance Program Plan ("QAPP") for the TCEQ Texas Clean Rivers program.
- E. LCRA shall appoint a single point of contact ("SPOC") with the City for the work under this Agreement. The SPOC shall monitor all work done under this Agreement. LCRA SPOC information:

Ariana Dean
3505 Montopolis Drive
Austin, TX 78744
(512) 730-5694
ariana.dean@lcra.org
- F. LCRA shall submit individual Explanation of Charges per Work Order and Monthly Invoices to the City for payment under this Agreement. The statements shall include sufficient information to support the request for payment.

II. OBLIGATIONS OF THE CITY

- A. In exchange for aforesaid analysis, the City shall pay LCRA in accordance with **EXHIBIT B** an amount not to exceed \$810,000 for the initial 36-month term of this Agreement. If this Agreement is extended under Section III B, the City shall pay LCRA an amount not to exceed \$270,000 per each 12-month extension. The total obligation of the City under this Agreement shall not exceed \$1,620,000.
- B. The City has the right to audit and inspect records maintained by LCRA relating to work performed under this Agreement during any term of this Agreement and up to 12 months after termination of this Agreement. The City shall provide reasonable notice of such audit and shall conduct any audits during normal business hours.

III. TERM, TERMINATION

- A. This Agreement shall become effective on September 1, 2016 and shall remain in effect for 36 months, unless terminated or extended under Section III. B. or III. C.
- B. This Agreement may be extended for up to three 12-month periods subject to the approval of LCRA's authorized representative and the City Manager or designee.

- C. If either party defaults in the performance of any of the terms or conditions of this Agreement, the defaulting party shall have 30 days after receipt of written notice of such default within which to cure such default. If such default is not cured within such period of time, then the offended party shall have the right without further notice to terminate this Agreement.
- D. Either party may terminate this Agreement at any time for convenience on 30-days advance written notice to the other party. The City shall pay for all services received through the effective date of termination.

IV. PAYMENT FOR SERVICES

- A. LCRA shall provide the City with an invoice, electronic or hard copy is acceptable, for each Work Order. The invoice will be paid by the City not later than 30 days after receipt. If the invoice is emailed, it will be sent to:

josephine.archer@austintexas.gov

If the invoice is sent via United States Mail, it will be sent to:

City of Austin
Watershed Protection Department
Attn: Josie Archer
505 Barton Springs Rd., Suite #1200
Austin, TX 78704

- B. Remittance will be made payable to LCRA and will be sent to:

Environmental Laboratory Services
Lower Colorado River Authority
P.O. Box 301142
Dallas, TX 75303-1142

- C. Payments will be made from current revenues available to the City.

V. MISCELLANEOUS

- A. Severability. If any section, subsection, sentence, clause, or phrase of this Agreement is for any reason held to be unconstitutional, void, or invalid, the validity of the remaining portions of the Agreement shall not be affected thereby. It is the intent of the parties signing this Agreement that no portion of it, or provision or regulation contained in it shall become inoperative or fail by reason of unconstitutionality or invalidity of any other section, subsection, sentence, clause, phrase, provision, or regulation of this Agreement.

- B. Law and Venue. This Agreement shall be governed by the laws of the State of Texas without regard to its conflict of law principles. The obligations under this Agreement are performable in Travis County, Texas. It is expressly understood that any lawsuit or litigation arising out of or relating to this Agreement will take place in Travis County, Texas.
- C. Alteration, Amendment, or Modification. This Agreement may not be altered, amended, or modified except in writing, and as approved by the LCRA's authorized representative and the City Manager or designee.
- D. Entire Agreement. This Agreement constitutes the entire agreement between the City and LCRA. No other agreement, statement or promise relating to the subject matter of this Agreement which is not contained in this Agreement is valid or binding
- E. Notice. Notices to either party shall be in writing, and may be either hand delivered or sent by certified or registered mail, postage paid, return receipt requested. If sent to the parties at the addresses designated herein, notice shall be deemed effective upon receipt in the case of hand delivery and three days after deposit in the U.S. mail in case of mailing. The address of the City for all purposes shall be:


City Manager
City of Austin
P.O. Box 1088
Austin, TX 78767
Attn: James Scarboro, Purchasing Officer
Financial Services Department
(512) 974-2500

The address of LCRA for administration of the work program described under this Agreement and for all notices hereunder shall be:

Lower Colorado River Authority
P.O. Box 220
Austin, TX 78767-0220
Attn: Ariana Dean, Project Manager,
Environmental Laboratory Services
512-730-5694


WHEREFORE, premises considered, this Interlocal Agreement is executed to be effective 11/03/, 2016.

CITY OF AUSTIN

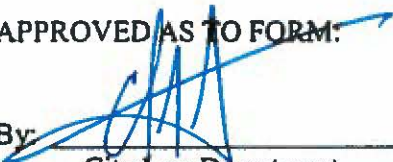
By: 
Sue Edwards
Assistant City Manager

**LOWER COLORADO RIVER
AUTHORITY**



By: 
Alicia C. Gill
Manager,
Environmental Laboratory Services

APPROVED AS TO FORM:

By: 
City Law Department

**INTERLOCAL AGREEMENT BETWEEN
THE CITY OF AUSTIN AND
THE LOWER COLORADO RIVER AUTHORITY
FOR LABORATORY SERVICES**

EXHIBIT A: SCOPE OF WORK

PRIORITY AND REGULATED WATER POLLUTANT ANALYSES SERVICES

1.0 PERFORMANCE REQUIREMENTS

- 1.1 LCRA shall provide timely and accurate information regarding quantitative analyses for substances listed as priority, regulated and pollutants of concern from samples procured by the City. Analyses for all samples may include all of the organic and inorganic chemicals named in the priority pollutant list of the Clean Water Act and regulated compounds in the Safe Drinking Water Act, any compounds proposed for regulations, and other compounds identified as a concern to the environment or which may identify the source of contaminants.
- 1.2 LCRA's SPOC shall attend a preliminary meeting with the City within twenty (20) days of contract award to establish data quality objectives. Thereafter, LCRA's SPOC shall schedule meetings as necessary with the City to coordinate schedules, resolve problems and otherwise complete the Scope of Work.
- 1.3 For 100% of all tests, LCRA shall meet its stated capabilities for reporting limits; provided, however, up to 10% failure to meet required reporting limits shall be allowed, but *only* for insufficient sample volume. Specific requirements are stated below:
 - 1.3.1 Analysis of environmental samples in a water matrix, specified by the "Clean Rivers Program" shall have reporting levels that meet Ambient Water Reporting Limits, hereafter referred to as "AWRLs", currently published by Texas Commission on Environmental Quality, hereinafter referred to as "TCEQ":

<https://www.tceq.texas.gov/assets/public/waterquality/crp/QA/awrlmaster.pdf>

Reporting limits shall be defined as those levels (practical quantitative limits, minimum analytical levels, etc.) above which the lab can reliably quantify concentrations with associated Quality Assurance & Quality Control, hereinafter referred to as "QA/QC", as specified by the method or TCEQ's Texas Clean Rivers Program, hereinafter referred to as "CRP", protocols.

- 1.3.2 All analyses, sample preparation, and QA/QC methods shall meet Environmental Protection Agency, hereinafter referred to as "EPA", method requirements and shall be approved by the City, and the methods reported.

After onset of this Agreement, any LCRA-proposed deviations from the methods preparation and QAQC stated in:

<https://www.epa.gov/measurements/collection-methods#Water>

shall require advance written approval of the City, and sufficient notification for CRP revision. IDEXX Colilert for *E. coli* counts shall be acceptable following method requirements under the CRP.

- 1.3.3 Groundwater analysis of "clear" (less than 1 mg/L TSS) groundwater samples for purgeable organic compounds, semi-organic compounds, and chlorinated pesticides using EPA 500 Method Series or EPA 8260, 8270, 8081 and 8082, shall provide Method Detection Limits, hereinafter referred to as "MDL" or Limit of Detection, hereinafter referred to as "LOD", at low levels. In such samples, LCRA shall provide reporting limits as low as the critical Texas Risk Reduction Program Protective Contaminant Levels, the drinking water standard, or AWRLs, whichever is lowest. The number of samples that require this type of analysis will not exceed twenty (20) samples per year.
- 1.3.4 Sample analysis for products or spilled contaminants that may have high matrix interference shall be analyzed using methods that meet the AWRLs with dilutions that provide analytical quantitative results for 100% of the requested constituents. LCRA shall consult with the City prior to testing if modifications to the specifications of this agreement, such as an increase in reporting limit, if necessary to provide results for all constituents requested.
- 1.3.5 LCRA shall perform analysis for PAHs in pavement materials or pavement coatings by method 8270C.
- 1.4 LCRA shall pick up, or the city shall deliver, samples and perform testing seven (7) days a week during normal working hours of 8:00 a.m. to 6:00 p.m. excluding City-recognized legal holidays.
 - 1.4.1 If sample pick up by LCRA is requested by the City, notification of scheduled sampling events will be given to LCRA at least twenty-four (24) hours prior to the estimated availability for sample pick up time from City offices located at 505 Barton Springs Road in downtown Austin, Texas, 78704, hereinafter referred to as the "Facility." Additionally, the City will provide a three (3) hour notification prior to the anticipated availability of the samples for pick up by LCRA at the Facility.
 - 1.4.2 If the City is unable to provide reasonable prior notification or sample holding times are short, the City will deliver the samples to LCRA's Environmental Services Laboratory, currently located at 3505 Montopolis Drive, Austin, Texas 78744, hereinafter referred to as the "Lab", for sample receipt during normal working hours.

- 1.4.3 At times, a stormwater runoff sample with a very short specified holding time may occur outside the hours listed above. The City will notify LCRA when sampling, and deliver the samples to the Lab within the specified holding time. LCRA shall have staff on-call at the Lab that will receive and analyze the samples within the specified holding time.
- 1.4.4 LCRA shall, at the City's request, perform sample collection activities. The City and LCRA will coordinate dates for such sample collection activities. The City will specify the exact location and provide any additional sample collection requirements to LCRA forty-eight (48) hours before the desired sample collection date/time.
- 1.5 The standard turn-around time from LCRA's receipt of a sample for analysis to City receipt of the acceptable final report shall be no greater than fifteen (15) calendar days. In the event the analysis of a sample is determined by the City to be an emergency, LCRA shall have 24-hour, 48-hour and 5-day turn-around response capabilities for analysis and issuance of a preliminary report to the City, with the final report delivered within seven (7) calendar days of sample receipt.
- 1.6 LCRA shall immediately notify the City in writing/email if they cannot meet any contracted reporting levels including details of the deviation from the specified limits and an explanation of the reason for and steps taken to avoid/mitigate deviation(s). The City will either instruct LCRA to proceed with any analyses already in progress or cancel the analyses at no cost.
- 1.7 LCRA shall immediately notify the City by phone or email about analysis of a sample with any anticipated matrix interference problems. The City solely will have the option of proceeding with or without additional clean up steps. In the event that sample matrix interferences prevent attaining the reporting levels, LCRA shall independently proceed to employ clean-up procedures as described in the EPA Method, with no additional charge to the City. No charges will be made to the City due to incidental instrumentation damage or recalibration due to the sample matrix.
- 1.8 If an analysis cannot be completed before the time limit of the sample expires, written/email notification from LCRA shall immediately be sent and include an estimated time of completion. The City solely will have the option to either request the sample analysis continue, or refuse the sample analysis with no charges invoiced to the City. If requested, the properly preserved sample remainder shall immediately be returned to the City.
- 1.9 LCRA shall, at their own expense, immediately repeat the entire testing of any analyses that do not meet the agreed upon data quality control criteria for sensitivity, precision and/or accuracy.

- 1.10 LCRA shall assume costs for testing aborted due to problems in sample transportation or sample analysis by LCRA.
- 1.11 LCRA shall also be required, on occasion, to perform other related pollutant analyses in water including but not limited to: organochlorine pesticides, organophosphorus pesticides, herbicides and conductivity. For any such analysis requested by the City, LCRA shall include with their bid submittal a complete list of all analysis methods and reporting limit capabilities.
- 1.12 LCRA shall conduct quality control tests for accuracy on a minimum of 10% of the City's samples, based on the number of samples submitted in a contract year or as required under the CRP. No charge to the City shall be made for these quality control tests.
- 1.13 LCRA shall accept at least four (4) blind samples per year the Agreement is in effect designated as reference samples by the City. Analytical requests for these reference samples will be for a complete screen or for a limited number of analytes. Analysis of these reference samples will be conducted at no charge to the City.
- 1.14 For every method performed, LCRA shall, at a minimum, participate in the appropriate EPA Water Pollution Performance Studies, providing the City with the evaluations and respective corrective actions upon completion of each study.
- 1.15 LCRA shall participate in audits and any corrective actions identified by the TCEQ and by LCRA as requested for the Clean Rivers Program. Audits shall not exceed one (1) annual visit. Specific projects shall be identified for submission to TCEQ's Clean Rivers Program. Specific quality control procedures shall be required for that program related to the (AWRL's) as specified at:
- <https://www.tceq.texas.gov/waterquality/clean-rivers/qa/index.html>
- 1.16 LCRA shall be responsible for providing at their cost and having available to the City appropriate sample collection bottles, shipping containers, and shipping materials. With 48-hour notice, all sample collection and shipping materials shall be delivered to the Facility. With less than 48-hour notice, collection bottles and shipping materials shall be ready for pick-up by the City from the Lab. LCRA shall assume all necessary costs associated with collection bottles, bottle shipment and shipment of samples. LCRA shall assume responsibility for the cost of sample bottles that are broken in shipment.
- 1.17 For the stormwater sampling program only, special bottles are required which are compatible with the City's automatic samplers. At the start of this agreement, the City will provide LCRA with an inventory of these special bottles, in addition to special bottles filled with samples that will initially be submitted for analysis by the City to LCRA. LCRA shall provide clean bottles for subsequent sampling events from either unused/new stock or from Contractor-washed stock (re-used). At least

quarterly, QAQC samples shall be analyzed at the Lab to evaluate washing procedures (if not already incorporated in laboratory equipment washing procedures), with at least one percent (1%) of washed bottles analyzed. Results from QAQC of washing procedures shall be provided to the City on an annual basis or if unacceptable results are determined. Upon delivery by City to the Lab, LCRA shall perform any necessary aliquots splitting, preservation, and/or compositing.

- 1.18 LCRA's SPOC shall review and approve analytical results. All services and reports shall be under their direction and responsibility, and they shall sign all final reports.
- 1.19 LCRA shall accept computer generated Chain of Custody records, hereinafter referred to as "COC", from the City, or provide standard laboratory COC (for the Stormwater Program.) Attachment "1" to this Exhibit A shows an example COC. With advance approval from the City, adaptations to the City generated COC form may be made to meet laboratory and accreditation requirements as required.
- 1.20 LCRA shall assume responsibility for custody of samples and protection of the integrity for samples received. LCRA shall perform COC documentation, store, preserve, and analyze the samples in accordance with the procedures published in the most current EPA Approved Methods or Standard Methods as published in 40 CFR Parts 136 and 141, or any other relevant location noted by the City. For specified programs identified by the City at the time of sample delivery or noted on COC of CRP approved methods shall be used.
- 1.21 LCRA shall retain test results, COC records, bench sheets, chromatograms, mass spectra reports, and accompanying quality control data for a period of no less than five (5) years from acceptance of the final report by the City. In the event an analytical or regulatory audit is initiated, LCRA shall maintain the records until such time as the City deems the audit satisfactorily completed.
- 1.22 If any samples (or sample aliquots) submitted by the City exceed the sample volume required by LCRA, the excess volumes shall be properly preserved and retained for at least thirty (30) days after the final report has been accepted by the City.
- 1.23 LCRA shall maintain National Environmental Laboratory Accreditation Program accreditation throughout the duration of this Agreement.
- 1.24 LCRA shall have adequate facilities to ensure segregation of chemicals from samples/sample extracts, segregation of organic extraction from organic instrumentation, segregation of hazardous waste collection, designated sample storage, chemicals and gas areas, an ultra pure water system, and an appropriate air handling/ventilation system.
- 1.25 LCRA shall be responsible for proactively coordinating with the City to ensure compliance with all applicable procedures. Routine communication is expected between LCRA and both field sample collection staff and data intake/analysis staff at

the City as necessary to resolve procedures and compliance issues.

- 1.26 If the City has inquiries regarding analyses completed or to be requested, or methodologies used or to be used in analyses, LCRA's SPOC or other qualified LCRA staff shall be available to respond to the inquiries.
- 1.27 LCRA shall provide an invoice for each Work Order. Each invoice shall include a brief description of the work performed and shall itemize by cost for performing each test method. In the event a discrepancy occurs between an invoice and the work performed, either i) a credit in the full amount shall be issued by LCRA, or ii) the City shall pay the cost difference and a new invoice with a new invoice date shall be issued. In no event will an invoice be paid without a City accepted final report.
- 1.28 Except to the extent that more explicit or more stringent requirements are written directly into this Agreement, all applicable codes, regulations, and standards have the same force and effect and are made a part of the Agreement documents by reference as if copied directly into the Agreement, or as if published copies are bound herewith.

2.0 REPORTS

- 2.1 LCRA shall send to the City one (1) original comprehensive electronically signed final report via email in PDF format, no later than fifteen (15) calendar days from the date the sample was received by LCRA. The final report shall include a delimited text file suitable for upload in to the City's database as specified in Attachment 2 to Exhibit A to this Agreement. The reports shall contain all documentation pertaining to the analyses as required by the test method, COC documentation, identification of the testing lab, and a summary report of the results and quality assurance reporting.
- 2.2 LCRA shall confirm complete agreement between PDF and delimited text file reporting before submittal to the City, including rounding to appropriate accuracy; all lab reports shall include both the MDL or LOD and the reporting limit for verification purposes.
- 2.3 In the event of data in error or disagreement between the PDF and delimited text file reporting formats, LCRA shall resubmit final reports with a new reporting date. Where an estimated value can be obtained, quantities above the MDL or LOD, but below the reporting limit shall be reported with a "J" flag.
- 2.4. In the case of sample analysis in an expedited turn-around, LCRA shall provide an electronic preliminary report to the City within the agreed upon turnaround time response (24-hour, 48-hour or 5-day) for the analysis of sample being received by LCRA. The final comprehensive report shall be due to the City no more than seven (7) calendar days from the day the sample was received by LCRA.

3.0 LCRA CONTACTS

3.1 Single Point of Contact: Ariana Dean, 512-730-5617

4.0 CITY CONTACTS

4.1 Project Manager: Chris Herrington, 512-974-2840

4.2 Administrative Issues: Josie Archer, 512-974-9735

**INTERLOCAL AGREEMENT BETWEEN
THE CITY OF AUSTIN AND
THE LOWER COLORADO RIVER AUTHORITY
FOR LABORATORY SERVICES**

**ATTACHMENT 1 to EXHIBIT A
Example Chain of Custody Document**

**INTERLOCAL AGREEMENT BETWEEN
THE CITY OF AUSTIN AND
THE LOWER COLORADO RIVER AUTHORITY
FOR LABORATORY SERVICES**

**ATTACHMENT 2 to EXHIBIT A:
Data Deliverables**

Lab results shall be returned to the City as an electronically-signed PDF file (the official lab report) and as a delimited text file suitable for upload to the City's database. Separate delimited text files for lab results and associated QAQC data may be emailed with the PDF file. Sample results less than the PQL but greater than the MDL or LOD shall be reported as estimated values ("J" in qualifier code). Sample results less than the MDL or LOD shall be reported as less than the MDL or LOD.

The PDF lab report shall include at a minimum:

- Work Order Summary
- Sample Results (including MDL and PQL)
- QC Summary Report
- Chain of Custody

The delimited text file for sample results shall include at a minimum:

- Sample Date
- Sample Time
- Sample Reference
- Billing Reference
- Lab QC Reference
- Parameter Reference
- Medium Reference
- Method Reference
- Unit Reference
- Qualifier Code
- Result
- Reporting Limit
- Method Detection Limit or Limit of Detection

The delimited text file for associated QAQC shall include at a minimum:

- Lab QC Reference
- Lab Batch Number
- Method Reference
- Unit Reference
- Parameter Reference

- **QC Type Reference**
- **Analysis Date**
- **Analysis Time**
- **Qualifier Code**
- **Result**
- **True Value**
- **Percent Recovery**
- **Relative Percent Difference**
- **Comments**

**INTERLOCAL AGREEMENT BETWEEN
THE CITY OF AUSTIN AND
THE LOWER COLORADO RIVER AUTHORITY
FOR LABORATORY SERVICES**

EXHIBIT B:

LCRA Environmental laboratory Price List 6/22/16

Pricing Agreement with the City of Austin, Effective September 1, 2016

Parameter Description/Analysis	Test Method	Unit Price*
E. coli	SM9223B	\$28.00
Enterococci	ASTM D6503-99	\$55.00
Fecal coliform	SM9222D	\$28.00
Chlorophyll-a/Pheophytin-a	EPA445	\$31.00
Anion (Bromide, Chloride, Fluoride, Bromide, Sulfate, or Ortho-Phosphate, Nitrite-N, Nitrate-N, Total Nitrate/Nitrite-N)	EPA300	\$13.00
Total Alkalinity	SM2320B	\$9.00
Biochemical Oxygen Demand (BOD)	SM5210B	\$25.00
Chemical Oxygen Demand (COD)	E410.4	\$20.00
Total Dissolved Solids (TDS)	SM2540C	\$9.00
Total Suspended Solids (TSS)	SM2540D	\$9.00
Volatile Suspended Solids (VSS)	EPA160.4	\$9.00
Turbidity	SM2130B	\$10.00
Ammonia-N (NH3-N)	EPA350.1	\$10.00
Nitrate/Nitrite-N (N2N3-N)	SM4500-NO3-H	\$12.00
Total Kjeldahl Nitrogen (TKN)	E351.2	\$20.00
Total Organic Carbon (TOC)	SM5310D	\$20.00
Total Phosphate (TP)	E365.4	\$15.00
Dissolved Phosphate (DP)	E365.4	\$15.00
Lab Filtration Charge		\$5.00
ICP Metal (each)	EPA200.7	\$9.00
ICP Metal Prep	EPA200.7	\$12.00
ICP Dissolved Metal (each)	EPA200.7	\$9.00
ICP/MS Metal (each)	EPA200.8	\$12.00
ICP/MS Metal Prep	EPA200.8	\$12.00
ICP/MS Dissolved Metal (each)	EPA200.8	\$12.00
Metals Filtration Charge	EPA200.8	\$5.00
Mercury (Hg)	EPA245.1	\$22.00
Total Hardness	SM2340B	\$25.00
Total Hardness Prep	EPA200.7	\$12.00
TCLP Hg	SW1311/SW7470A	\$22.00
TCLP Metals (each)	SW1311/SW6010B	\$12.00
TCLP Prep	SW1311	\$60.00

Pricing Agreement with the City of Austin, Effective September 1, 2016

Oil & Grease (O&G)	EPA1664	\$50.00
Total Petroleum Hydrocarbon (TPH)	TX1005	\$55.00
Bromacil	EPA525.2	\$105.00
Atrazine	EPA525.2	\$105.00
Semi-volatiles Pesticides	EPA525.2	\$165.00
Organochlorine Pesticides	EPA8081A	\$165.00
PCBs	EPA8082	\$110.00
Low level Organophosphorus Pesticides (OP)	EPA8141A	\$165.00
Low level Herbicides	EPA8151A	\$165.00
Low level Semi-volatiles	EPA8270C	\$220.00
Low level Polyaromatic Hydrocarbons (PAH)	EPA8270C	\$180.00
Low level Volatiles	EPA8260B	\$150.00
Carbaryl	EPA625	\$110.00
Diazinon	EPA622	\$110.00
Organophosphorus Pesticides (OP)	EPA622	\$165.00
Organochlorine Pesticides + PCBs	EPA608	\$165.00
Chlorinated Herbicides	EPA615	\$165.00
Dioxane	E522	\$120.00
Perfluorinated Alkyl Compounds (Full List)	E537	\$400.00
Perfluorinated Alkyl Compounds (Short List)	E537	\$325.00

*Cost multiplier for expedited turnaroundtimes: 100% (24-hours), 50% (48-hours) & 0% (5-working days)

Sampling fee is \$150 (includes materials and 2 to 3 labor hours) per event and based on collection of sample within the Austin area.

Sampling schedule is arranged by ELS Field Services staff with the COA project representative.

**INTERLOCAL AGREEMENT BETWEEN
THE CITY OF AUSTIN AND
THE LOWER COLORADO RIVER AUTHORITY
FOR LABORATORY SERVICES**

**EXHIBIT C:
LIST OF ANALYTICAL CAPABILITIES 6/22/16**

ELS Analytical Capabilities

MDL: Measure of method sensitivity and it is defined at 40 CFR Part 136 Appendix B as "the minimum concentration of a substance that can be reported with 99% confidence that the analyte concentration is greater than zero." MDLs can be operator, method, laboratory, and matrix specific.

LOD: The laboratory's estimate of the minimum amount of an analyte in a given matrix that an analytical process can reliably detect in their facility.

*****Effective October 25, 2010, ELS will report LOD values of target analytes in lieu of corresponding MDLs.*****

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
SM9223B	Ecoli	Accredited	MPN/100mL	1	1
ASTM D6503-99	Enterococci	Accredited	MPN/100mL	1	1
EPA445	Chlorophyll A	Not Available	ug/L	0.20	0.5
EPA445	Pheophytin A	Not Available	ug/L	0.20	0.5
EPA300	Bromide	Accredited	mg/L	0.008	0.02
EPA300	Chloride	Accredited	mg/L	0.400	1
EPA300	Fluoride	Accredited	mg/L	0.004	0.01
EPA300	Nitrogen, Nitrate & Nitrite	Accredited	mg/L	0.008	0.02
EPA300	Nitrogen, Nitrate (As N)	Accredited	mg/L	0.004	0.01
EPA300	Nitrogen, Nitrite	Accredited	mg/L	0.004	0.01
EPA300	Phosphorus, Orthophosphate (As P)	Accredited	mg/L	0.004	0.01
EPA300	Sulfate	Accredited	mg/L	0.400	1
SM2320B	Alkalinity, Total (As CaCO ₃)	Accredited	mg/L CaCO ₃	0.800	2
SM5210B	Biochemical Oxygen Demand	Accredited	mg/L	1	1
E410.4	Chemical Oxygen Demand	Accredited	mg/L	3.5	7
SM2540C	Total Dissolved Solids (Residue, Filterable)	Accredited	mg/L	2.5	2.5
SM2540D	Suspended Solids (Residue, Non-Filterable) [Total Suspended Solids]	Accredited	mg/L	1	1
EPA160.4	Volatile Suspended Solids	Accredited	mg/L	1	1
SM2130B	Turbidity	Accredited	NTU	0.04	0.1
EPA350.1	Nitrogen, Ammonia (As N) [Ammonia - Nitrogen]	Accredited	mg/L	0.008	0.02
SM4500-NO ₃ -H	Nitrogen, Nitrate & Nitrite [Nitrate & Nitrite - Nitrogen]	Accredited	mg/L	0.008	0.02

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
E351.2	Nitrogen, Kjeldahl, Total [Total Kjeldahl - Nitrogen]	Accredited	mg/L	0.04	0.1
SM5310D	Organic Carbon, Total [Total Organic Carbon]	Accredited	mg/L	0.2	0.5
E365.4	Phosphorus, Total (As P) [Total Phosphorus]	Accredited	mg/L	0.008	0.02
E365.4	Phosphorus, Dissolved (As P) [Dissolved Phosphorus]	Accredited	mg/L	0.008	0.02
EPA200.7	Calcium	Accredited	mg/L	0.07	0.2
EPA200.7	Iron	Accredited	mg/L	0.02	0.05
EPA200.7	Magnesium	Accredited	mg/L	0.07	0.2
EPA200.7	Potassium	Accredited	mg/L	0.07	0.2
EPA200.7	Sodium	Accredited	mg/L	0.20	0.6
EPA200.8	Arsenic	Accredited	ug/L	0.7	2
EPA200.8	Cadmium	Accredited	ug/L	0.4	1
EPA200.8	Copper	Accredited	ug/L	0.7	2
EPA200.8	Lead	Accredited	ug/L	0.4	1
EPA200.8	Nickel	Accredited	ug/L	0.7	2
EPA200.8	Silver	Accredited	ug/L	0.4	1
EPA200.8	Zinc	Accredited	ug/L	1.7	5
EPA200.8	Cadmium Dissolved	Accredited	ug/L	0.4	1
EPA200.8	Copper Dissolved	Accredited	ug/L	0.4	1
EPA200.8	Lead Dissolved	Accredited	ug/L	0.4	1
EPA200.8	Zinc Dissolved	Accredited	ug/L	1.5	4
EPA245.1	Mercury	Accredited	ug/L	0.07	0.2
SM2340B	Hardness, Calcium/Magnesium (As CaCO ₃)	Accredited	mg/L	0.5	1.32
SW1311/SW7470A	TCLP Mercury	Accredited	ug/L	0.07	0.2
SW1311/SW6010B	TCLP Arsenic	Accredited	mg/L	0.02	0.05
SW1311/SW6010B	TCLP Barium	Accredited	mg/L	0.02	0.5
SW1311/SW6010B	TCLP Cadmium	Accredited	mg/L	0.004	0.01
SW1311/SW6010B	TCLP Chromium	Accredited	mg/L	0.004	0.01
SW1311/SW6010B	TCLP Lead	Accredited	mg/L	0.02	0.05
SW1311/SW6010B	TCLP Selenium	Accredited	mg/L	0.04	0.1

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
SW1311/SW6010B	TCLP Silver	Accredited	mg/L	0.004	0.01
EPA1664	Oil & Grease, Total Recoverable	Accredited	mg/L	2.5	2.5
TX1005	>C12-C28	Not Available	mg/L	2	5
TX1005	>C28-C35	Not Available	mg/L	2	5
TX1005	C6-C12	Not Available	mg/L	2	5
TX1005	C6-C35	Accredited	mg/L	5	5
EPA525.2	Alachlor	Not Available	ug/L	0.1	0.1
EPA525.2	Aldrin	Not Available	ug/L	0.1	0.1
EPA525.2	alpha-Chlordane	Not Available	ug/L	0.1	0.1
EPA525.2	Atrazine	Not Available	ug/L	0.1	0.1
EPA525.2	Benzo(a)pyrene	Not Available	ug/L	0.1	0.1
EPA525.2	bis(2-Ethylhexyl)adipate	Not Available	ug/L	2	2
EPA525.2	Bis(2-ethylhexyl)phthalate	Not Available	ug/L	2	2
EPA525.2	Bromacil	Not Available	ug/L	0.2	0.2
EPA525.2	Butachlor	Not Available	ug/L	0.1	0.1
EPA525.2	Dieldrin	Not Available	ug/L	0.1	0.1
EPA525.2	Endrin	Not Available	ug/L	0.1	0.1
EPA525.2	gamma-BHC	Not Available	ug/L	0.1	0.1
EPA525.2	gamma-Chlordane	Not Available	ug/L	0.1	0.1
EPA525.2	Heptachlor	Not Available	ug/L	0.1	0.1
EPA525.2	Heptachlor epoxide	Not Available	ug/L	0.1	0.1
EPA525.2	Hexachlorobenzene	Not Available	ug/L	0.1	0.1
EPA525.2	Hexachlorocyclopentadiene	Not Available	ug/L	0.1	0.1
EPA525.2	Methoxychlor	Not Available	ug/L	0.1	0.1
EPA525.2	Metolachlor	Not Available	ug/L	0.1	0.1
EPA525.2	Metribuzin	Not Available	ug/L	0.1	0.1
EPA525.2	Pentachlorophenol	Not Available	ug/L	1	1
EPA525.2	Propachlor	Not Available	ug/L	0.1	0.1
EPA525.2	Simazine	Not Available	ug/L	0.1	0.1
EPA525.2	trans-Nonachlor	Not Available	ug/L	0.1	0.1
EPA8141A	Azinphosmethyl	Accredited	ug/L	0.2	0.5
EPA8141A	Chloropyrifos	Accredited	ug/L	0.2	0.5
EPA8141A	Demeton, Total	Accredited	ug/L	0.2	0.5

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
EPA8141A	Demeton-O	Accredited	ug/L	0.2	0.5
EPA8141A	Demeton-S	Accredited	ug/L	0.2	0.5
EPA8141A	Diazinon	Accredited	ug/L	0.2	0.5
EPA8141A	Ethyl Parathion	Accredited	ug/L	0.2	0.5
EPA8141A	Malathion	Accredited	ug/L	0.2	0.5
EPA8141A	Methyl parathion	Accredited	ug/L	0.2	0.5
EPA8151A	2,4,5-T	Accredited	ug/L	0.2	0.5
EPA8151A	2,4,5-TP (Silvex)	Accredited	ug/L	0.2	0.5
EPA8151A	2,4-D	Accredited	ug/L	0.2	0.5
EPA8151A	Dalapon	Accredited	ug/L	0.2	0.5
EPA8151A	Dicamba	Accredited	ug/L	0.2	0.5
EPA8151A	Dinoseb	Accredited	ug/L	0.2	0.5
EPA8151A	Pentachlorophenol	Accredited	ug/L	0.2	0.5
EPA8151A	Picloram	Accredited	ug/L	0.2	0.5
EPA8270C	1&2-Chloronaphthalene	Not Available	ug/L	4	10
EPA8270C	1,2,4,5-Tetrachlorobenzene	Accredited	ug/L	4	10
EPA8270C	1,2,4-Trichlorobenzene	Accredited	ug/L	2	5
EPA8270C	1,2-Dichlorobenzene	Accredited	ug/L	2	5
EPA8270C	1,2-Diphenylhydrazine	Accredited	ug/L	2	5
EPA8270C	1,3-Dichlorobenzene	Accredited	ug/L	2	5
EPA8270C	1,4-Dichlorobenzene	Accredited	ug/L	2	5
EPA8270C	1-Naphthylamine	Not Available	ug/L	4	10
EPA8270C	2,3,4,6-Tetrachlorophenol	Accredited	ug/L	4	10
EPA8270C	2,4,5-Trichlorophenol	Accredited	ug/L	2	6
EPA8270C	2,4,6-Trichlorophenol	Accredited	ug/L	2	5
EPA8270C	2,4-Dichlorophenol	Accredited	ug/L	2	5
EPA8270C	2,4-Dimethylphenol	Accredited	ug/L	2	5
EPA8270C	2,4-Dinitrophenol	Accredited	ug/L	20	50
EPA8270C	2,4-Dinitrotoluene	Accredited	ug/L	4	10
EPA8270C	2,6-Dichlorophenol	Accredited	ug/L	2	5
EPA8270C	2,6-Dinitrotoluene	Accredited	ug/L	2	5
EPA8270C	2-Chlorophenol	Accredited	ug/L	2	5
EPA8270C	2-Methylnaphthalene	Accredited	ug/L	2	5

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
EPA8270C	2-Methylphenol	Accredited	ug/L	2	5
EPA8270C	2-Naphthylamine	Accredited	ug/L	2	5
EPA8270C	2-Nitroaniline	Accredited	ug/L	2	5
EPA8270C	2-Nitrophenol	Accredited	ug/L	2	5
EPA8270C	2-Picoline	Accredited	ug/L	2	5
EPA8270C	3,3'-Dichlorobenzidine	Accredited	ug/L	2	5
EPA8270C	3-Methylcholanthrene	Accredited	ug/L	2	5
EPA8270C	3-Nitroaniline	Accredited	ug/L	2	5
EPA8270C	4,6-Dinitro-2-methylphenol	Accredited	ug/L	20	50
EPA8270C	4-Aminobiphenyl	Accredited	ug/L	2	5
EPA8270C	4-Bromophenyl phenyl ether	Accredited	ug/L	2	5
EPA8270C	4-Chloro-3-methylphenol	Accredited	ug/L	2	5
EPA8270C	4-Chloroaniline	Accredited	ug/L	2	5
EPA8270C	4-Chlorophenyl phenyl ether	Accredited	ug/L	2	5
EPA8270C	4-Nitroaniline	Accredited	ug/L	4	15
EPA8270C	4-Nitrophenol	Accredited	ug/L	4	10
EPA8270C	7,12-Dimethylbenz(a)anthracene	Accredited	ug/L	2	5
EPA8270C	Acenaphthene	Accredited	ug/L	2	5
EPA8270C	Acenaphthylene	Accredited	ug/L	2	5
EPA8270C	Acetophenone	Accredited	ug/L	2	5
EPA8270C	Aniline	Accredited	ug/L	2	5
EPA8270C	Anthracene	Accredited	ug/L	2	5
EPA8270C	Benzidine	Accredited	ug/L	2	5
EPA8270C	Benzo(a)anthracene	Accredited	ug/L	2	5
EPA8270C	Benzo(a)pyrene	Accredited	ug/L	2	5
EPA8270C	Benzo(b)fluoranthene	Accredited	ug/L	2	5
EPA8270C	Benzo(g,h,i)perylene	Accredited	ug/L	4	15
EPA8270C	Benzo(k)fluoranthene	Accredited	ug/L	2	5
EPA8270C	Benzoic acid	Accredited	ug/L	20	50
EPA8270C	Benzyl alcohol	Accredited	ug/L	4	10
EPA8270C	Bis(2-chloroethoxy)methane	Accredited	ug/L	2	5
EPA8270C	Bis(2-chloroethyl)ether	Accredited	ug/L	2	5
EPA8270C	Bis(2-chloroisopropyl)ether	Accredited	ug/L	2	5

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
EPA8270C	Bis(2-ethylhexyl)phthalate	Accredited	ug/L	2	5
EPA8270C	Butyl benzyl phthalate	Accredited	ug/L	2	5
EPA8270C	Carbaryl	Accredited	ug/L	2	5
EPA8270C	Carbazole	Accredited	ug/L	2	5
EPA8270C	Chrysene	Accredited	ug/L	2	5
EPA8270C	Cresols, Total	Not Available	ug/L	4	10
EPA8270C	Di-n-butyl phthalate	Accredited	ug/L	2	5
EPA8270C	Di-n-octyl phthalate	Accredited	ug/L	2	5
EPA8270C	Dibenz(a,h)anthracene	Accredited	ug/L	4	10
EPA8270C	Dibenz(a,i)acridine	Accredited	ug/L	4	10
EPA8270C	Dibenzofuran	Accredited	ug/L	2	5
EPA8270C	Diethyl phthalate	Accredited	ug/L	2	5
EPA8270C	Dimethyl phthalate	Accredited	ug/L	2	5
EPA8270C	Ethyl methanesulfonate	Accredited	ug/L	2	5
EPA8270C	Fluoranthene	Accredited	ug/L	2	5
EPA8270C	Fluorene	Accredited	ug/L	2	5
EPA8270C	Hexachlorobenzene	Accredited	ug/L	2	5
EPA8270C	Hexachlorobutadiene	Accredited	ug/L	2	5
EPA8270C	Hexachlorocyclopentadiene	Accredited	ug/L	4	10
EPA8270C	Hexachloroethane	Accredited	ug/L	2	5
EPA8270C	Indeno(1,2,3-cd)pyrene	Accredited	ug/L	4	10
EPA8270C	Isophorone	Accredited	ug/L	2	5
EPA8270C	m,p-cresol	Not Available	ug/L	4	10
EPA8270C	Methyl methanesulfonate	Accredited	ug/L	2	5
EPA8270C	N-Nitroso-di-n-butylamine	Accredited	ug/L	2	5
EPA8270C	N-Nitrosodi-n-propylamine	Accredited	ug/L	2	5
EPA8270C	N-Nitrosodiethylamine	Accredited	ug/L	4	20
EPA8270C	N-Nitrosodimethylamine	Accredited	ug/L	2	5
EPA8270C	N-Nitrosodiphenylamine	Accredited	ug/L	2	5
EPA8270C	N-Nitrosopiperidine	Accredited	ug/L	2	5
EPA8270C	Naphthalene	Accredited	ug/L	2	5
EPA8270C	Nitrobenzene	Accredited	ug/L	2	5
EPA8270C	p-Dimethylaminoazobenzene	Not Available	ug/L	4	10

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
EPA8270C	Pentachlorobenzene	Accredited	ug/L	2	5
EPA8270C	Pentachloronitrobenzene	Accredited	ug/L	2	5
EPA8270C	Pentachlorophenol	Accredited	ug/L	4	6
EPA8270C	Phenacetin	Accredited	ug/L	2	5
EPA8270C	Phenanthrene	Accredited	ug/L	2	5
EPA8270C	Phenol	Accredited	ug/L	2	8
EPA8270C	Pronamide	Accredited	ug/L	2	5
EPA8270C	Pyrene	Accredited	ug/L	4	10
EPA8270C	Pyridine	Accredited	ug/L	2	5
EPA8260B low levels	1,1,1-Trichloroethane	Accredited	ug/L	0.2	0.5
EPA8260B low levels	1,1,2,2-Tetrachloroethane	Accredited	ug/L	0.4	1
EPA8260B low levels	1,1,2-Trichloroethane	Accredited	ug/L	0.2	0.5
EPA8260B low levels	1,1-Dichloroethane	Accredited	ug/L	0.2	0.5
EPA8260B low levels	1,1-Dichloroethene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	1,2,3-Trichlorobenzene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	1,2,3-Trichloropropane	Accredited	ug/L	0.4	1
EPA8260B low levels	1,2,4-Trichlorobenzene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	1,2-Dibromo-3-chloropropane	Accredited	ug/L	0.4	1
EPA8260B low levels	1,2-Dibromoethane	Accredited	ug/L	0.4	1
EPA8260B low levels	1,2-Dichlorobenzene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	1,2-Dichloroethane	Accredited	ug/L	0.2	0.5
EPA8260B low levels	1,2-Dichloroethene, Total	Not Available	ug/L	0.5	0.5
EPA8260B low levels	1,2-Dichloropropane	Accredited	ug/L	0.2	0.5
EPA8260B low levels	1,3-Dichlorobenzene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	1,4-Dichlorobenzene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	2-Butanone	Accredited	ug/L	2	5
EPA8260B low levels	2-Chloroethyl vinyl ether	Accredited	ug/L	0.2	0.5
EPA8260B low levels	2-Hexanone	Accredited	ug/L	2	5
EPA8260B low levels	4-Methyl-2-pentanone	Accredited	ug/L	2	5
EPA8260B low levels	Acetone	Accredited	ug/L	2	5
EPA8260B low levels	Acrolein	Accredited	ug/L	4	10
EPA8260B low levels	Acrylonitrile	Accredited	ug/L	2	5
EPA8260B low levels	Benzene	Accredited	ug/L	0.2	0.5

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
EPA8260B low levels	Bromodichloromethane	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Bromoform	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Bromomethane	Accredited	ug/L	0.4	1.5
EPA8260B low levels	Carbon Disulfide	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Carbon Tetrachloride	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Chlorobenzene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Chloroethane	Accredited	ug/L	0.4	1
EPA8260B low levels	Chloroform	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Chloromethane	Accredited	ug/L	0.2	0.5
EPA8260B low levels	cis-1,2-Dichloroethene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	cis-1,3-Dichloropropene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Dibromochloromethane	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Dibromomethane	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Dichlorodifluoromethane	Accredited	ug/L	0.4	1
EPA8260B low levels	Ethyl Methacrylate	Accredited	ug/L	0.4	1
EPA8260B low levels	Ethylbenzene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Iodomethane	Accredited	ug/L	0.2	0.5
EPA8260B low levels	m,p-Xylene	Accredited	ug/L	0.4	1
EPA8260B low levels	Methyl tert-butyl ether	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Methylene chloride	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Naphthalene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	o-Xylene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Styrene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Tetrachloroethene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Toluene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	trans-1,2-Dichloroethene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	trans-1,3-Dichloropropene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	trans-1,4-Dichloro-2-butene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Trichloroethene	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Trichlorofluoromethane	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Vinyl Acetate	Accredited	ug/L	0.2	0.5
EPA8260B low levels	Vinyl chloride	Accredited	ug/L	0.4	1
EPA8260B low levels	Xylenes, Total	Accredited	ug/L	0.5	0.5

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
EPA8260B	1,1,1-Trichloroethane	Accredited	ug/L	2	5
EPA8260B	1,1,2,2-Tetrachloroethane	Accredited	ug/L	2	5
EPA8260B	1,1,2-Trichloroethane	Accredited	ug/L	2	5
EPA8260B	1,1-Dichloroethane	Accredited	ug/L	2	5
EPA8260B	1,1-Dichloroethene	Accredited	ug/L	2	5
EPA8260B	1,2,3-Trichlorobenzene	Accredited	ug/L	2	5
EPA8260B	1,2,3-Trichloropropane	Accredited	ug/L	2	5
EPA8260B	1,2,4-Trichlorobenzene	Accredited	ug/L	2	5
EPA8260B	1,2-Dibromo-3-chloropropane	Accredited	ug/L	2	5
EPA8260B	1,2-Dibromoethane	Accredited	ug/L	2	5
EPA8260B	1,2-Dichlorobenzene	Accredited	ug/L	2	5
EPA8260B	1,2-Dichloroethane	Accredited	ug/L	2	5
EPA8260B	1,2-Dichloroethene, Total	Accredited	ug/L	5	10
EPA8260B	1,2-Dichloropropane	Accredited	ug/L	2	5
EPA8260B	1,3-Dichlorobenzene	Accredited	ug/L	2	5
EPA8260B	1,3-Dichloropropene, Total	Accredited	ug/L	5	10
EPA8260B	1,4-Dichlorobenzene	Accredited	ug/L	2	5
EPA8260B	2-Butanone	Accredited	ug/L	8	20
EPA8260B	2-Chloroethyl vinyl ether	Accredited	ug/L	2	5
EPA8260B	2-Hexanone	Accredited	ug/L	8	20
EPA8260B	4-Methyl-2-pentanone	Accredited	ug/L	8	20
EPA8260B	Acetone	Accredited	ug/L	8	20
EPA8260B	Acrolein	Accredited	ug/L	20	50
EPA8260B	Acrylonitrile	Accredited	ug/L	20	50
EPA8260B	Benzene	Accredited	ug/L	2	5
EPA8260B	Bromodichloromethane	Accredited	ug/L	2	5
EPA8260B	Bromoform	Accredited	ug/L	2	5
EPA8260B	Bromomethane	Accredited	ug/L	2	5
EPA8260B	Carbon Disulfide	Accredited	ug/L	2	5
EPA8260B	Carbon Tetrachloride	Accredited	ug/L	2	5
EPA8260B	Chlorobenzene	Accredited	ug/L	2	5
EPA8260B	Chloroethane	Accredited	ug/L	2	5
EPA8260B	Chloroform	Accredited	ug/L	2	5

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
EPA8260B	Chloromethane	Accredited	ug/L	2	5
EPA8260B	cis-1,2-Dichloroethene	Accredited	ug/L	2	5
EPA8260B	cis-1,3-Dichloropropene	Accredited	ug/L	2	5
EPA8260B	Dibromochloromethane	Accredited	ug/L	2	5
EPA8260B	Dibromomethane	Accredited	ug/L	2	5
EPA8260B	Dichlorodifluoromethane	Accredited	ug/L	2	5
EPA8260B	Ethyl Methacrylate	Accredited	ug/L	2	5
EPA8260B	Ethylbenzene	Accredited	ug/L	2	5
EPA8260B	Iodomethane	Accredited	ug/L	2	5
EPA8260B	m,p-Xylene	Accredited	ug/L	4	10
EPA8260B	Methyl tert-butyl ether	Accredited	ug/L	2	5
EPA8260B	Methylene chloride	Accredited	ug/L	2	5
EPA8260B	Naphthalene	Accredited	ug/L	2	5
EPA8260B	o-Xylene	Accredited	ug/L	2	5
EPA8260B	Styrene	Accredited	ug/L	2	5
EPA8260B	Tetrachloroethene	Accredited	ug/L	2	5
EPA8260B	Toluene	Accredited	ug/L	2	5
EPA8260B	Total Trihalomethanes	Not Accredited	ug/L	5	20
EPA8260B	trans-1,2-Dichloroethene	Accredited	ug/L	2	5
EPA8260B	trans-1,3-Dichloropropene	Accredited	ug/L	2	5
EPA8260B	trans-1,4-Dichloro-2-butene	Accredited	ug/L	8	10
EPA8260B	Trichloroethene	Accredited	ug/L	2	5
EPA8260B	Trichlorofluoromethane	Accredited	ug/L	2	5
EPA8260B	Vinyl Acetate	Accredited	ug/L	8	10
EPA8260B	Vinyl chloride	Accredited	ug/L	2	5
EPA8260B	Xylenes, Total	Accredited	ug/L	5	10
EPA625	1&2-Chloronaphthalene	Not Available	ug/L	4	10
EPA625	1,2,4,5-Tetrachlorobenzene	Accredited	ug/L	4	5
EPA625	1,2,4-Trichlorobenzene	Accredited	ug/L	2	5
EPA625	1,2-Dichlorobenzene	Accredited	ug/L	2	5
EPA625	1,2-Diphenylhydrazine	Accredited	ug/L	2	5
EPA625	1,3-Dichlorobenzene	Accredited	ug/L	2	5
EPA625	1,4-Dichlorobenzene	Accredited	ug/L	2	5

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
EPA625	1-Naphthylamine	Not Available	ug/L	4	10
EPA625	2,3,4,6-Tetrachlorophenol	Accredited	ug/L	4	5
EPA625	2,4,5-Trichlorophenol	Accredited	ug/L	2	5
EPA625	2,4,6-Trichlorophenol	Accredited	ug/L	2	5
EPA625	2,4-Dichlorophenol	Accredited	ug/L	2	5
EPA625	2,4-Dimethylphenol	Accredited	ug/L	2	5
EPA625	2,4-Dinitrophenol	Accredited	ug/L	20	50
EPA625	2,4-Dinitrotoluene	Accredited	ug/L	4	5
EPA625	2,6-Dichlorophenol	Not Available	ug/L	2	5
EPA625	2,6-Dinitrotoluene	Accredited	ug/L	2	5
EPA625	2-Chlorophenol	Accredited	ug/L	2	5
EPA625	2-Methylnaphthalene	Not Available	ug/L	2	5
EPA625	2-Methylphenol	Accredited	ug/L	2	5
EPA625	2-Naphthylamine	Not Available	ug/L	2	5
EPA625	2-Nitroaniline	Not Available	ug/L	2	5
EPA625	2-Nitrophenol	Accredited	ug/L	2	5
EPA625	2-Picoline	Not Available	ug/L	2	5
EPA625	3,3'-Dichlorobenzidine	Accredited	ug/L	2	5
EPA625	3-Methylcholanthrene	Not Available	ug/L	2	5
EPA625	3-Nitroaniline	Not Available	ug/L	2	5
EPA625	4,6-Dinitro-2-methylphenol	Accredited	ug/L	20	50
EPA625	4-Aminobiphenyl	Not Available	ug/L	2	5
EPA625	4-Bromophenyl phenyl ether	Accredited	ug/L	2	5
EPA625	4-Chloro-3-methylphenol	Accredited	ug/L	2	5
EPA625	4-Chloroaniline	Not Available	ug/L	2	5
EPA625	4-Chlorophenyl phenyl ether	Accredited	ug/L	2	5
EPA625	4-Nitroaniline	Not Available	ug/L	4	10
EPA625	4-Nitrophenol	Accredited	ug/L	4	10
EPA625	7,12-Dimethylbenz(a)anthracene	Not Available	ug/L	2	5
EPA625	Acenaphthene	Accredited	ug/L	2	5
EPA625	Acenaphthylene	Accredited	ug/L	2	5
EPA625	Acetophenone	Not Available	ug/L	2	5
EPA625	Aniline	Not Available	ug/L	2	5

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
EPA625	Anthracene	Accredited	ug/L	2	5
EPA625	Atrazine	Not Available	ug/L	2	5
EPA625	Benzidine	Accredited	ug/L	2	5
EPA625	Benzo(a)anthracene	Accredited	ug/L	2	5
EPA625	Benzo(a)pyrene	Accredited	ug/L	2	5
EPA625	Benzo(b)fluoranthene	Accredited	ug/L	2	5
EPA625	Benzo(g,h,i)perylene	Accredited	ug/L	4	10
EPA625	Benzo(k)fluoranthene	Accredited	ug/L	2	5
EPA625	Benzoic acid	Not Available	ug/L	20	50
EPA625	Benzyl alcohol	Not Available	ug/L	4	10
EPA625	Bis(2-chloroethoxy)methane	Accredited	ug/L	2	5
EPA625	Bis(2-chloroethyl)ether	Accredited	ug/L	2	5
EPA625	Bis(2-chloroisopropyl)ether	Accredited	ug/L	2	5
EPA625	Bis(2-ethylhexyl)phthalate	Accredited	ug/L	2	5
EPA625	Butyl benzyl phthalate	Accredited	ug/L	2	5
EPA625	Carbaryl	Not Available	ug/L	2	5
EPA625	Carbazole	Not Available	ug/L	2	5
EPA625	Chrysene	Accredited	ug/L	2	5
EPA625	Cresols, Total	Not Available	ug/L	4	10
EPA625	Di-n-butyl phthalate	Accredited	ug/L	2	5
EPA625	Di-n-octyl phthalate	Accredited	ug/L	2	5
EPA625	Dibenz(a,h)anthracene	Accredited	ug/L	4	10
EPA625	Dibenz(a,j)acridine	Not Available	ug/L	4	10
EPA625	Dibenzofuran	Not Available	ug/L	2	5
EPA625	Diethyl phthalate	Accredited	ug/L	2	5
EPA625	Dimethyl phthalate	Accredited	ug/L	2	5
EPA625	Ethyl methanesulfonate	Not Available	ug/L	2	5
EPA625	Fluoranthene	Accredited	ug/L	2	5
EPA625	Fluorene	Accredited	ug/L	2	5
EPA625	Hexachlorobenzene	Accredited	ug/L	2	5
EPA625	Hexachlorobutadiene	Accredited	ug/L	2	5
EPA625	Hexachlorocyclopentadiene	Accredited	ug/L	4	10
EPA625	Hexachloroethane	Accredited	ug/L	2	5

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
EPA625	Indeno(1,2,3-cd)pyrene	Accredited	ug/L	4	10
EPA625	Isophorone	Accredited	ug/L	2	5
EPA625	m,p-cresol	Not Available	ug/L	4	10
EPA625	Methyl methanesulfonate	Not Available	ug/L	2	5
EPA625	N-Nitroso-di-n-butylamine	Accredited	ug/L	2	5
EPA625	N-Nitrosodi-n-propylamine	Accredited	ug/L	2	5
EPA625	N-Nitrosodiethylamine	Accredited	ug/L	8	10
EPA625	N-Nitrosodimethylamine	Accredited	ug/L	2	5
EPA625	N-Nitrosodiphenylamine	Accredited	ug/L	2	5
EPA625	N-Nitrosopiperidine	Not Available	ug/L	2	10
EPA625	Naphthalene	Accredited	ug/L	2	5
EPA625	Nitrobenzene	Accredited	ug/L	2	5
EPA625	p-Dimethylaminoazobenzene	Not Available	ug/L	4	10
EPA625	Pentachlorobenzene	Accredited	ug/L	2	5
EPA625	Pentachloronitrobenzene	Not Available	ug/L	2	5
EPA625	Pentachlorophenol	Accredited	ug/L	4	10
EPA625	Phenacetin	Not Available	ug/L	2	5
EPA625	Phenanthrene	Accredited	ug/L	2	5
EPA625	Phenol	Accredited	ug/L	4	10
EPA625	Pronamide	Not Available	ug/L	2	5
EPA625	Pyrene	Accredited	ug/L	4	10
EPA625	Pyridine	Accredited	ug/L	2	5
EPA622	Azinphos methyl	Not Available	ug/L	0.2	0.5
EPA622	Chloropyrifos	Not Available	ug/L	0.2	0.5
EPA622	Demeton, Total	Not Available	ug/L	0.5	0.5
EPA622	Demeton-O	Not Available	ug/L	0.2	0.5
EPA622	Demeton-S	Not Available	ug/L	0.2	0.5
EPA622	Diazinon	Not Available	ug/L	0.2	0.5
EPA622	Ethyl Parathion	Not Available	ug/L	0.2	0.5
EPA622	Malathion	Not Available	ug/L	0.2	0.5
EPA622	Methyl Parathion	Not Available	ug/L	0.2	0.5
EPA608	4,4'-DDD	Accredited	ug/L	0.02	0.05
EPA608	4,4'-DDE	Accredited	ug/L	0.02	0.05

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
EPA608	4,4'-DDT	Accredited	ug/L	0.02	0.05
EPA608	Aldrin	Accredited	ug/L	0.02	0.05
EPA608	alpha-BHC	Accredited	ug/L	0.02	0.05
EPA608	alpha-Chlordane	Accredited	ug/L	0.02	0.05
EPA608	Aroclor 1016	Accredited	ug/L	0.2	0.5
EPA608	Aroclor 1221	Accredited	ug/L	0.2	0.5
EPA608	Aroclor 1232	Accredited	ug/L	0.2	0.5
EPA608	Aroclor 1242	Accredited	ug/L	0.2	0.5
EPA608	Aroclor 1248	Accredited	ug/L	0.2	0.5
EPA608	Aroclor 1254	Accredited	ug/L	0.2	0.5
EPA608	Aroclor 1260	Accredited	ug/L	0.2	0.5
EPA608	beta-BHC	Accredited	ug/L	0.02	0.05
EPA608	Chlordane	Accredited	ug/L	0.4	1
EPA608	delta-BHC	Accredited	ug/L	0.02	0.05
EPA608	Dicofol	Not Available	ug/L	0.4	1
EPA608	Dieldrin	Accredited	ug/L	0.02	0.05
EPA608	Endosulfan I	Accredited	ug/L	0.02	0.05
EPA608	Endosulfan II	Accredited	ug/L	0.02	0.05
EPA608	Endosulfan sulfate	Accredited	ug/L	0.02	0.05
EPA608	Endrin	Accredited	ug/L	0.02	0.05
EPA608	Endrin aldehyde	Accredited	ug/L	0.02	0.05
EPA608	Endrin Ketone	Accredited	ug/L	0.02	0.05
EPA608	gamma-BHC	Accredited	ug/L	0.02	0.05
EPA608	gamma-Chlordane	Accredited	ug/L	0.02	0.05
EPA608	Heptachlor	Accredited	ug/L	0.02	0.05
EPA608	Heptachlor epoxide	Accredited	ug/L	0.02	0.05
EPA608	Hexachlorobenzene	Not Available	ug/L	0.02	0.05
EPA608	Methoxychlor	Accredited	ug/L	0.02	0.05
EPA608	Mirex	Not Available	ug/L	0.02	0.05
EPA608	PCB, Total	Not Available	ug/L	0.5	0.5
EPA608	Toxaphene	Accredited	ug/L	0.4	1
EPA615	2,4,5-T	Accredited	ug/L	0.2	0.5
EPA615	2,4,5-TP (Silvex)	Accredited	ug/L	0.2	0.5

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
EPA615	2,4-D	Accredited	ug/L	0.2	0.5
EPA615	Dalapon	Accredited	ug/L	0.2	0.5
EPA615	Dicamba	Accredited	ug/L	0.2	0.5
EPA615	Dinoseb	Accredited	ug/L	0.2	0.5
EPA615	Pentachlorophenol	Not Available	ug/L	0.2	0.5
EPA615	Picloram	Not Available	ug/L	0.2	0.5
EPA8081A	4,4'-DDD	Accredited	ug/L	0.02	0.05
EPA8081A	4,4'-DDE	Accredited	ug/L	0.02	0.05
EPA8081A	4,4'-DDT	Accredited	ug/L	0.02	0.05
EPA8081A	Aldrin	Accredited	ug/L	0.02	0.05
EPA8081A	alpha-BHC	Accredited	ug/L	0.02	0.05
EPA8081A	alpha-Chlordane	Accredited	ug/L	0.02	0.05
EPA8081A	beta-BHC	Accredited	ug/L	0.02	0.05
EPA8081A	Chlordane	Accredited	ug/L	0.4	1
EPA8081A	delta-BHC	Accredited	ug/L	0.02	0.05
EPA8081A	Dicofol	Accredited	ug/L	0.4	1
EPA8081A	Dieldrin	Accredited	ug/L	0.02	0.05
EPA8081A	Endosulfan I	Accredited	ug/L	0.02	0.05
EPA8081A	Endosulfan II	Accredited	ug/L	0.02	0.05
EPA8081A	Endosulfan sulfate	Accredited	ug/L	0.02	0.05
EPA8081A	Endrin	Accredited	ug/L	0.02	0.05
EPA8081A	Endrin aldehyde	Accredited	ug/L	0.02	0.05
EPA8081A	Endrin ketone	Accredited	ug/L	0.02	0.05
EPA8081A	gamma-BHC	Accredited	ug/L	0.02	0.05
EPA8081A	gamma-Chlordane	Accredited	ug/L	0.02	0.05
EPA8081A	Heptachlor	Accredited	ug/L	0.02	0.05
EPA8081A	Heptachlor epoxide	Accredited	ug/L	0.02	0.05
EPA8081A	Hexachlorobenzene	Accredited	ug/L	0.02	0.05
EPA8081A	Methoxychlor	Accredited	ug/L	0.02	0.05
EPA8081A	Mirex	Accredited	ug/L	0.02	0.05
EPA8081A	Toxaphene	Accredited	ug/L	0.4	1
EPA8082	Aroclor 1016	Accredited	ug/L	0.2	0.5
EPA8082	Aroclor 1221	Accredited	ug/L	0.2	0.5

ELS Analytical Capabilities

Test Method	Parameter Description	NELAC	Units	LOD	LOQ
EPA8082	Aroclor 1232	Accredited	ug/L	0.2	0.5
EPA8082	Aroclor 1242	Accredited	ug/L	0.2	0.5
EPA8082	Aroclor 1248	Accredited	ug/L	0.2	0.5
EPA8082	Aroclor 1254	Accredited	ug/L	0.2	0.5
EPA8082	Aroclor 1260	Accredited	ug/L	0.2	0.5
EPA8082	PCB	Accredited	ug/L	0.5	0.5