



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**Request for Quotation**

RFQ NUMBER  
 DEP15706

PAGE  
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
 GUY NISBET  
 304-558-8802

RFQ COPY

TYPE NAME/ADDRESS HERE

VENDOR

*Reliance Laboratories, Inc*  
*P.O. Box 4657*  
*Bridgeport, WV 26330*

SHIP TO

ENVIRONMENTAL PROTECTION  
 DEPARTMENT OF  
 ENVIRONMENTAL ENFORCEMENT  
 601 57TH STREET  
 CHARLESTON, WV  
 25304 304-926-0499

DATE PRINTED 12/23/2011	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: 02/02/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEMNUMBER	UNIT PRICE	AMOUNT
0001	1	LS		961-48		
<p>OPEN END CONTRACT</p> <p>ORGANIC ANALYSIS OF WATER AND SOIL FIELD TESTING</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, WEST VIRGINIA DEPARTMENT OF ENVIROMENTAL PROTECTION'S DEPARTMENT OF ENVIROMENTAL ENFORCEMENT DIVISION, IS SOLICITING BIDS FROM QUALIFIED VENDOR'S TO PROVIDETHE AGENCY WITH ORGANIC ANALYSIS OF WATER AND SOIL PER THE FOLLOWING SPECIFICATIONS, SCOPE OF WORK, TERMS &amp; CONDITIONS AND BID REQUIREMENTS AS ATTACHED.</p> <p>INQUIRIES:</p> <p>WRITTEN QUESTIONS SHALL BE ACCEPTED THROUGH CLOSE OF BUSINESS ON THURSDAY, JANUARY 19, 2012. QUESTIONS MAY BE SENT VIA: USES, FAX, COURIER OR EMAIL. IN ORDER TO ASSURE NO VENDOR RECEIVES AN UNFAIR ADVANTAGE, NO SUBSTANTIVE QUESTIONS WILL BE ANSWERED ORALLY. IF POSSIBLE, EMAIL QUESTIONS ARE PREFERRED. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL WRITTEN ADDENDUM TO BE ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.</p> <p>ADDRESSES INQUIRIES TO:</p> <p>GUY NISBET</p>						

RECEIVED  
 2012 FEB -1 A 9:50  
 PURCHASING DIVISION  
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Guy Nisbet</i>	TELEPHONE 304-842-5285	DATE 1/31/2012
TITLE Lab Manager	FEIN 55-0580040	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS  
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
5. Payment may only be made after the delivery and acceptance of goods or services.
6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at [www.state.wv.us/admin/purchase/vrc/hipaa.html](http://www.state.wv.us/admin/purchase/vrc/hipaa.html) and is hereby made part of the agreement provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
14. **CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
15. **LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

**INSTRUCTIONS TO BIDDERS**

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



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ADDRESS CORRESPONDENCE TO ATTENTION OF:
GUY NISBET 304-558-8802

RFQ COPY

TYPE NAME/ADDRESS HERE

VENDOR

*Reliance Laboratories, Inc.*  
*P.O. Box 4657*  
*Bridgeport WV 26330*

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LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION 2019 WASHINGTON STREET, EAST CHARLESTON, WV. 25305 FAX: 304.558.4115 EMAIL: GUY.L.NISBET@WV.GOV  EXHIBIT 3  LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON AWARD..... AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING 30 DAYS WRITTEN NOTICE.  UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.  RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.  CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICE						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
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**Bridgeport WV 26330**

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LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK.)</p> <p>QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIED BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY ORDERED FOR DELIVERY DURING THE TERM OF THE CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</p> <p>ORDERING PROCEDURE: SPENDING UNIT(S) SHALL ISSUE A WRITTEN STATE CONTRACT ORDER (FORM NUMBER WV-39) TO THE VENDOR FOR COMMODITIES COVERED BY THIS CONTRACT. THE ORIGINAL COPY OF THE WV-39 SHALL BE MAILED TO THE VENDOR AS AUTHORIZATION FOR SHIPMENT, A SECOND COPY MAILED TO THE PURCHASING DIVISION, AND A THIRD COPY RETAINED BY THE SPENDING UNIT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p>THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES</p>						

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	<i>Reliance Laboratories, Inc</i> <i>P.O. Box 4657</i> <i>Bridgeport WV 26330</i>

SHIP TO	ENVIRONMENTAL PROTECTION DEPARTMENT OF ENVIRONMENTAL ENFORCEMENT 601 57TH STREET CHARLESTON, WV 25304	304-926-0499
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LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM.		
				REV. 05/26/2009		
				EXHIBIT 10		
				REQUISITION NO.: DEP15706....		
				ADDENDUM ACKNOWLEDGEMENT		
				I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.		
				ADDENDUM NO. 'S:		
				NO. 1 .....		
				NO. 2 .....		
				NO. 3 .....		
				NO. 4 .....		
				NO. 5 .....		
				I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.		
				VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE	TELEPHONE	DATE	
<i>Len Miller</i>	304-842-5285	1/31/2012	
TITLE	FEN	ADDRESS CHANGES TO BE NOTED ABOVE	
<i>Lab Manager</i>	55-0580040		

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LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p><i>Lej Miller</i> SIGNATURE</p> <p><i>Reliance Laboratories</i> COMPANY</p> <p><i>Jan 31, 2012</i> DATE</p>						
<p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.</p> <p>REV. 09/21/2009</p> <p>PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p>						

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LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:  SEALED BID  BUYER:-----GN----- RFQ. NO.:-----DEP15706----- BID OPENING DATE:-----02/02/2012----- BID OPENING TIME:-----1:30PM-----  PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: -----304-842-5351-----  CONTACT PERSON (PLEASE PRINT CLEARLY): -----Tenley Miller-----  ***** THIS IS THE END OF RFQ DEP15706 ***** TOTAL:						

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## AREA OF WORK

Bids should be submitted by vendors in connection with the costs associated with collection from all Department of Environmental Protection (DEP) offices as listed herein. DEP reserves the right to make multiple awards based on the need to have vendors located throughout the state in close proximity to the various DEP offices. Up to five (5) vendors will be selected.

Bidding should be done for every method as a whole and for each analyte within a specific method. Prices should also be given for liquid samples and solid /tissue samples.

## QUALIFICATIONS

The DEP conducts inspections of permitted and non-permitted facilities, investigates complaints, monitors ambient quality of surface water, groundwater and sediments, performs studies, and provides water quality information to the citizens of West Virginia and other government agencies. Legal action based upon analytic results is possible. Therefore, the vendor or vendors selected must have a quality control program in place and meet the following qualifications:

1. Chemist on staff experienced in organic water/soil analysis and its interpretation.
2. The laboratory must be certified by the Water Resources Quality Assurance Program. This includes any laboratories to which analyses are subcontracted.
3. Be accessible by telephone 24 hours per day, 7 days per week.
4. Capable of attending and providing expert testimony in legal proceeding, upon request.
5. Proof of certification and staff chemist(s) resume(s) must be provided at the time of bid.

## SCOPE

In administering and enforcing most of the pollution control laws of the state, the importance of quality control cannot be overstated. Quality control measures must be strictly adhered to in all phases of sample collection, preservation, transportation, and analysis. The quality control and analytical work, as they relate to the contractor's responsibility, is divided into four (4) major steps:

STEP 1 - Collection of sample from specified office.

STEP 2 - Conduct specified analysis on samples in a timely and professional manner.

STEP 3 - Establishment of continuing program to ensure the reliability of analytical data.

STEP 4 - Legal Testimony



### Step 1 - Collection of Samples from Specified Office

The sampling for the DEP shall be conducted by Department personnel. The vendor shall be notified of the date sampling occurs /is to occur and from which DEP office the sample can be obtained. The vendor shall be notified when the sample was taken (time/date) and the person who collected the sample. The vendor shall be responsible for obtaining the sample from the specified office and delivery of sample to the laboratory within 24 hours from the time of sampling. The vendor shall indicate the time the sample was obtained from the specified office and its condition and the time the sample was delivered to the laboratory. The vendor shall be responsible for holding times, preservation of the sample and the internal chain of custody from the time the vendor obtained the sample until the time the analysis is accepted by the Department. The vendor shall also maintain records of the results of analysis for a minimum of five (5) years. If samples are to be shipped to the vendor by mail courier, then the vendor shall supply all shipping containers, labels and shall cover all costs of shipping from the sample location or from any WV/DEP office.

### Step 2 - Conduct Specified Analysis on Samples

The methods used by the laboratory for the analysis shall be either 1) Methods described in 40 CFR-136 for organic analysis and Standard Methods for the Examination of Water and Waste Water, current edition, but must be an approved method per 40 CFR Part 36 or 2) Test Methods for Evaluating Solid Waste - Physical/Chemical Methods (SW-846) Third Edition, with updates. The sampler shall be responsible for specifying either 1 or 2 above, and in the event the method is not specified, Method 1 shall be used.

In the event a compound is requested by a method which has greater than ten compounds in the compound list, any compounds detected at or above three times the PQL, in addition to the requested compound, shall be reported and invoiced as individual compounds up to a maximum of ten compounds total. If ten or more compounds are detected and reported, the total list cost will be in effect.

Analysis of samples is not deemed completed until the data has been submitted to and accepted by DEP. Should the DEP not provide notice of acceptance within four weeks of the date results were mailed, the vendor may consider the data to be acceptable by the Department. The vendor shall be responsible for maintaining preservation of the samples until the holding time is exceeded. Any samples with a sheen, discoloration or odor shall be maintained by the vendor until DEP's notification that the sample can be properly disposed of. DEP will advise the vendor which samples fall into this category. The vendor shall be responsible for the proper disposal of all samples submitted to them by the DEP unless otherwise notified. The vendor shall dispose of the sample no earlier than four weeks after DEP accepts the results. The results of the analysis shall be submitted to the DEP no more than two (2) weeks after receipt of samples.

### Step 3 - Quality Control

Three programs are to be utilized to assure reliable laboratory data: (1) the use and documentation of standard analytical methods, (2) analysis of duplicate and spiked (where the concept applies) samples at regular intervals each day to check analytical precision and accuracy,

Page | 3

and (3) analysis of reference samples a 6 (six) month intervals\*. Regardless of which analytical methods are used in a laboratory, the methodology must be carefully documented. Standard methods which have been modified or entirely replaced because of recent advances in the state of art may only be used when it has been given approval in the Federal Register. Documentation of procedures must be clear, honest, and adequately referenced; and the procedures shall be applied exactly as documented. The responsibility for results obtained from these procedures rests with the analyst and supervisor, both as representatives of the firm.

All testing must be conducted using approved methods: (1) 40-CFR-136, Organic test Methods for NPDES samples or 2) SW-846 Methods for all other samples. Where an NPDES method is not available, the laboratory may substitute an SW-846 method. The laboratory will be advised as to the type of sample being tested so that the proper test methods may be applied.

Further, the laboratory may substitute capillary column technology for packed column technology for NPDES test methods.

To check the laboratory analytical precision, duplicate analysis of samples shall be performed at regular intervals. Duplicate samples must be carried through the complete analytical process. For all analyses, the interval shall be every tenth (10th) sample. When less than ten (10) samples are tested in one day, at least one duplicate sample shall be analyzed, and that sample must be a DEP sample. The difference between the replicates for each analysis are to be plotted on Shewart precision quality control charts. "Out-of-Control" samples are to be repeated and appropriate steps shall be taken to locate and remedy the error.

To check the laboratory analytical accuracy, samples containing a known addition of the target analyte (spike) shall be analyzed at regular intervals. Spiked samples must be carried through the complete analytical process. For all analyses, the interval shall be every tenth (10th) sample. Where less than ten samples are tested in one day, at least one spiked sample shall be analyzed, and that sample must be a DEP sample. The percent recovery must be plotted out on Shewart accuracy quality control charts. "Out of Control" samples are to be repeated and appropriate steps taken to locate and remedy the source of error.

Periodic submission of samples with known composition will occur. No notice of this activity will be provided unless results indicate an anomaly.

\*These analyses shall be conducted under the vendor's performance evaluation test number through the Analytical Products Group.

### **Practical Quantitation Limits**

PQLs have been listed where possible and is defined as the lowest concentration of analytes that can be reliably determined within specified limits of precision and accuracy by a particular method under routine laboratory conditions. If the PQL for a particular method is higher value than the regulatory limit for that parameter, then an alternate method with a PQL lower than the regulatory limit shall be used. The laboratory shall provide DEP with one complete set of PQLs and Method Detection Limits upon being awarded the contract. If a certain PQL is desired by the sampler, the laboratory may substitute the requested method with another method that meets the necessary PQL upon approval of the sampler.

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#### Step 4 - Legal Testimony

The selected vendor or vendors may be requested by the DEP to testify concerning the validity of the laboratory analysis. The vendor will only be required to testify to the following areas:

1. Time of notification by Department of sampling and by whom.
2. When and where samples were collected by the firm.
3. Condition of sample.
4. How sample was preserved by the firm.
5. Date and time(s) of analysis and by whom.
6. Chain of Custody procedures within the laboratory
7. Methods used.
8. Results of analysis.

At no time will the firm respond to questions concerning interpretation of results. The Department shall reimburse the vendor for the costs of any such testimony. The vendor must provide a detailed invoice of actual costs incurred.

#### PRIME VENDOR RESPONSIBILITIES

A vendor who is awarded a contract, when performing work under the terms and conditions of this contract, is solely responsible for the satisfactory completion of the work. The vendor shall be responsible for ensuring that any subcontractor have all the necessary permits, certifications (including WV State Laboratory Certification) and insurance to perform the work. DEP will consider the prime vendor to be the sole point of contact with regard to authorized work under the contract.

#### SUBCONTRACTORS

The prime vendor shall not be allowed to subcontract any work or services under this contract to any other person, company, corporation, firm, organization or agency without prior written approval of the DEP.

#### CONFIDENTIALITY

The vendor agrees that any and all data, analyses, materials, reports or other information, oral or written, prepared by the vendor with respect to this requisition shall, except for information which has been made publicly available, be treated as confidential and shall not be utilized, released, published, or disclosed, by the vendor at any time for any purpose whatsoever other than to provide consultation or other service to DEP.

#### MISCELLANEOUS PROVISIONS

1. All analytical data submitted to DEP must be reported in MDLs, not PQLs.
2. The vendor shall provide necessary sample containers and field preservatives to the WV/DEP if requested by the Department.

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3. The DEP may, at their discretion, choose to deliver samples to the vendor's establishment rather than having them picked up by or delivered to the vendor.
4. If samples are to be shipped to the vendor by mail courier, then the vendor shall supply all shipping containers, labels and shall cover all costs of shipping from the sample location or from any WV/DEP office.
5. Upon awarding the contract, the vendor shall provide one copy of the method detection limits (MDLs) for all analytes for which the contract is awarded. Any updates to the MDLs during the life of this contract shall be provided to the DEP, in writing, within one week of the update(s) completion.
6. The vendor shall provide at no additional cost, any requested quality control/calibration information associated with a particular sample. Quality control/calibration information includes but is not limited to: values of standards used in calibration, date of last calibration, correlation coefficients of calibrations curves, instrument blank values, check standard values, spike/recovery values, duplicate values, dilution volumes, bench sheets, calculations and Shewart quality control charts.
7. Notice of any changes to the vendor's certification status with regard to any of the parameters that the vendor is certified to analyze for, must be submitted to DEP, in writing, within ten (10) days of the time of status change.
8. The laboratory will provide blank water to the DEP, at no charge, upon request.
9. Should MDLs lower than those listed on the contract be available, the Vendor shall provide these lower detection levels when conducting analyses.
10. If requested on the Chain of Custody, soil sample analytical results shall be reported on a dry-weight basis.

### Quality Control Deliverables

#### Level I Contents

Laboratory Analysis Reports  
Chain of Custody Form

#### Level II Contents

Laboratory Analysis reports  
Case Narrative  
Chain of Custody Form  
Initial Calibration summaries, CLP Form 6  
Continuing Calibration Verification summaries, CLP Form 7  
Raw method blank data  
Matrix Spike/Matrix Spike Duplicate Summary (MS/MSD), CLP form 3  
Surrogate Summary, CLP Form 2  
Raw Sample data



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Level III Contents, Organic

- Laboratory Analysis reports
- Chain of Custody Form
- Case Narrative
- Retention Time Summary (if applicable)
- Extraction Logs (if applicable)
- Analytical Run Logs
- MS Tuning Summary, CLP form 5 (if applicable)
- Initial Calibration Summaries, CLP Form 6
- Continuing Calibration Verification Summaries, CLP Form 7
- Method Blank Summary, CLP Form 4
- Raw method blank data
- Matrix Spike/Matrix Spike Duplicate Summary (MS/MSD), CLP form 3
- Surrogate Summary, CLP Form 2 (if applicable)
- Internal Standard Summary, CLP form 8 (if applicable)
- All associated Raw QC data, including calibrations
- Form 1 results Summaries for samples and blanks
- Raw Sample data
- MDL Statements
- Electronic Data Deliverable

Level IV (Inorganic/Metals)

- Laboratory Analysis reports
- Chain of Custody Form
- Case Narrative
- Analysis Data Sheet, CLP form 1
- Initial and continuing Calibration Verification, CLP Form II, Part 1
- CRDL Standard for AA and ICP, CLP Form II, Part 2
- Blanks, CLP Form III
- ICP Interference Check Sample, CLP Form IV
- Spike Sample Recovery, CLP Form V, Part 1
- Post Digest Spike Sample Recovery, CLP Form V, Part 2
- Duplicates, CLP Form VI
- Laboratory Control Sample, CLP Form VII
- Standard Addition Results, CLP Form VIII
- ICP Serial Dilutions, CLP Form IX
- Preparation Logs, CLP Form XIII
- Analysis Run Logs, CLP Form XIV
- All associated raw data
- MDL statements
- Electronic Data Deliverable

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Parameters detected with EPA 600 Series Organic Analyses**Method 601, Purgeable Halocarbons**

	MDLs	SOLID
Bromodichloroethane	1.0 ug/l	
Bromoform	1.0 ug/l	
Bromomethane	1.0 ug/l	
Carbon Tetrachloride	1.0 ug/l	
Chlorobenzene	1.0 ug/l	
Chloroethane	1.0 ug/l	
2-Chloroethylvinyl ether	1.0 ug/l	
Chloroform	1.0 ug/l	
Chloromethane	1.0 ug/l	
Dibromochloromethane	1.0 ug/l	
1,2-Dichlorobenzene	1.0 ug/l	
1,3-Dichlorobenzene	1.0 ug/l	
1,4-Dichlorobenzene	1.0 ug/l	
Dichlorodifluoromethane		
1,1-Dichloroethane	1.0 ug/l	
1,2-Dichloroethane	1.0 ug/l	
trans-1,2-Dichloroethene	1.0 ug/l	
1,2-Dichloropropane	1.0 ug/l	
cis-1,3-Dichloropropene	1.0 ug/l	
trans-1,3-Dichloropropene	1.0 ug/l	
Methylene chloride	1.0 ug/l	
1,1,2,2-Tetrachloroethane	1.0 ug/l	
Tetrachloroethene	1.0 ug/l	
1,1,1-Trichloroethane	1.0 ug/l	
1,1,2-Trichloroethane	1.0 ug/l	
Tetrachloroethylene	1.0 ug/l	
Trichlorofluoromethane	1.0 ug/l	
Vinyl Chloride	1.0 ug/l	
1,1-Dichloroethene	1.0 ug/l	
Full Suite		

**Method 602, Purgeable Aromatics**

	MDLs	SOLID
Benzene	1.0 ug/l	
Chlorobenzene	1.0 ug/l	
1,2-Dichlorobenzene	1.0 ug/l	
1,3-Dichlorobenzene	1.0 ug/l	
1,4-Dichlorobenzene	1.0 ug/l	
Ethylbenzene	1.0 ug/l	
Toluene	1.0 ug/l	

**Method 603, Acrolein and Acrylonitrile**

	MDLs	SOLID
Acrylonitrile		
Acrolein		

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**Method 604, Phenols****MDLs****SOLID**

4-Chloro-3-methylphenol  
 2-Chlorophenol  
 2,4-Dichlorophenol  
 2,4-Dimethylphenol  
 2,4-Dinitrophenol  
 2-Methyl-4,6-dinitrophenol  
 2-Nitrophenol  
 4-Nitrophenol  
 Pentachlorophenol  
 Phenol  
 2,4,6-Trichlorophenol

**Method 605, Benzidines****MDLs****SOLID**

Benzidines  
 3,3'-Dichlorobenzidine

**Method 606 Phthalate Esters****MDLs****SOLID**

Bis(2-ethylhexyl) phthalate  
 Butyl benzyl phthalate  
 Di-n-butyl phthalate  
 Diethyl phthalate  
 Dimethyl phthalate  
 Di-n-octyl phthalate

**Method 607, Nitrosamines****MDLs****SOLID**

N-Nitrosodimethylamine  
 N-Nitrosodiphenylamine  
 N-Nitrosodi-n-propylamine

**Method 608, Organochlorine Pesticides and PCBs****MDLs****SOLID**

Aldrin 0.3 ug/l  
 $\alpha$ -BHC 0.3 ug/l  
 $\beta$ -BHC 0.3 ug/l  
 $\delta$ -BHC 0.3 ug/l  
 $\gamma$ -BHC 0.3 ug/l  
 Chlorodane 0.5 ug/l  
 4,4'-DDD 0.3 ug/l  
 4,4'-DDE 0.3 ug/l  
 4,4'-DDT 0.3 ug/l  
 Dieldrin 0.3 ug/l  
 Endosulfan I 0.3 ug/l  
 Endosulfan II 0.3 ug/l

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**Method 608, Organochlorine Pesticides and PCBs continued**

	MDLs	SOLID
Endosulfan sulfate	0.5 ug/l	
Eldrin	0.5 ug/l	
Endrin aldehyde	0.5 ug/l	
Heptachlor	0.5 ug/l	
Heptachlor epoxide	0.3 ug/l	
Toxaphene	1.5 ug/l	
PCB-1016	0.5 ug/l	
PCB-1221	0.5 ug/l	
PCB-1232	0.5 ug/l	
PCB-1242	0.5 ug/l	
PCB-1248	0.5 ug/l	
PCB-1254	0.5 ug/l	
PCB-1260	0.5 ug/l	

**Method 609, Nitroaromatics and Isophorone**

	MDLs	SOLID
2,4-Dinitrotoluene		
2,6-Dinitrotoluene		
Isophorone		
Nitrobenzene		

**Method 610, Polynuclear Aromatic Hydrocarbons**

	MDLs	SOLID
Acenaphthene	10 ug/l	
Acenaphthylene	10 ug/l	
Anthracene	10 ug/l	
Benzo(a)anthracene	10 ug/l	
Benzo(a)pyrene	10 ug/l	
Benzo(b)fluoranthene	10 ug/l	
Benzo(ghi)perylene	10 ug/l	
Benzo(k)fluoranthene	10 ug/l	
Chrysene	10 ug/l	
Dibenzo(a,h)anthracene	10 ug/l	
Fluoranthene	10 ug/l	
Fluorene	10 ug/l	
Indeno(1,2,3-cd)pyrene	10 ug/l	
Naphthalene	10 ug/l	
Phenanthrene	10 ug/l	
Pyrene	10 ug/l	

**Method 611, Haloethers**

	MDLs	SOLID
Bis(2-chloroethyl) ether		
Bis(2-chloroethoxy) methane		
Bis(2-chloroisopropyl) ether		
4-Bromophenyl phenyl ether		
4-Chlorophenyl phenyl ether		



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**Method 612, Chlorinated Hydrocarbons continued**

MDLs

SOLID

2-Chloronaphthalene  
 1,2-Dichlorobenzene  
 1,3-Dichlorobenzene  
 1,4-Dichlorobenzene  
 Hexachlorobenzene  
 Hexachlorobutadiene  
 Hexachlorocyclopentadiene  
 Hexachloroethane  
 1,2,4-Trichlorobenzene

**Method 613 2,3,7,8-Tetrachlorodibenzo-P-dioxin**

MDLs

SOLID

2,3,7,8-Tetrachlorodibenzo-P-dioxin

**Method 613 Tetra-through Octa-Chlorinated Dibenzo-P-dioxins (CDDs) and Dibenzofurans (CDFs)****Method 624, Purgables**

MDLs

SOLID

Benzene 10 ug/l  
 Bromodichloromethane 10 ug/l  
 Bromoform 10 ug/l  
 Bromomethane 10 ug/l  
 Carbon Tetrachloride 10 ug/l  
 Chlorobenzene 10 ug/l  
 Chloroethane 10 ug/l  
 2-Chloroethylvinyl ether 20 ug/l  
 Chloroform 10 ug/l  
 Chloromethane 10 ug/l  
 Dibromochloromethane 10 ug/l  
 1,2-Dichlorobenzene 10 ug/l  
 1,3-Dichlorobenzene 10 ug/l  
 1,4-Dichlorobenzene 10 ug/l  
 1,1-Dichloroethane 10 ug/l  
 1,2-Dichloroethane 10 ug/l  
 trans-1,2-Dichloroethene 10 ug/l  
 1,2-Dichloropropane 10 ug/l  
 cis-1,3-Dichloropropene 10 ug/l  
 trans-1,3-Dichloropropene 10 ug/l  
 Ethyl benzene 10 ug/l  
 Methylene chloride 10 ug/l  
 1,1,2,2-Tetrachloroethane 10 ug/l  
 Tetrachloroethene 10 ug/l  
 Toluene 10 ug/l  
 1,1,1-Trichloroethene 10 ug/l

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## Method 624, Purgeables continued

	MDLs	SOLID
1,1,2-Trichloroethene	10 ug/l	
Trichlorethane	10 ug/l	
Trichlorofluoromethane	10 ug/l	
Vinyl chloride	10 ug/l	
1,1-Dichloroethene	10 ug/l	

## Method 625, Base/Neutrals Extractables

	MDLs	SOLID
Acenaphthene	10 ug/l	
Acenaphthylene	10 ug/l	
Anthracene	10 ug/l	
Aldrin	10 ug/l	
Benzo(a)anthracene		
Benzo(b)fluoranthene	10 ug/l	
Benzo(k)fluoranthene	10 ug/l	
Benzo(a)pyrene	10 ug/l	
Benzo(ghi)perylene	20 ug/l	
Benzyl butyl phthalate	10 ug/l	
3 -BHC		
δ -BHC		
Bis(2-chloroethyl) ether	10 ug/l	
Bis(2-chloroethoxy) methane	10 ug/l	
Bis(2-ethylhexyl) phthalate		
Bis(2-chloroisopropyl) ether	10 ug/l	
4-Bromophenyl phenyl ether	10 ug/l	
Chlordane		
2-chloronaphthalene	10 ug/l	
4-chlorophenyl phenyl ether		
Chrysene	10 ug/l	
4,4'-DDD		
4,4'-DDE		
4,4'-DDT		
Dibenzo(a,h) anthracene	20 ug/l	
Di-n-butylphthalate	10 ug/l	
1,2-Dichlorobenzene	10 ug/l	
1,3-Dichlorobenzene	10 ug/l	
1,4-Dichlorobenzene	10 ug/l	
3,3'-dichlorobenzidine	50 ug/l	
Dieldrin		
Diethyl phthalate	10 ug/l	
Dimethyl phthalate	10 ug/l	
2,4-dinitrotoluene	10 ug/l	
2,6-dinitrotoluene	10 ug/l	
Di-n-octylphthalate	10 ug/l	
Endosulfan sulfate		
Endrin aldehyde		

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**Method 625, Base/Neutrals Extractables continued**

	MDLs	SOLID
Fluoranthene	10 ug/l	
Fluorene	10 ug/l	
Heptachlor		
Heptachlor epoxide		
Hexachlorobenzene		
Hexachlorobutadiene	10 ug/l	
Hexachloroethane	10 ug/l	
Indeno(1,2,3-cd) pyrene	10 ug/l	
Isophorone		
Naphthalene	10 ug/l	
Nitrobenzene	10 ug/l	
N-nitrosodi-n-propylamine	10 ug/l	
PCB-1016		
PCB-1221		
PCB-1232		
PCB-1242		
PCB-1248		
PCB-1254		
PCB-1260		
Phenanthrene	10 ug/l	
Pyrene	10 ug/l	
Toxaphene		
1,2,4-trichlorobenzene	10 ug/l	

**625 Acid Extractables**

	MDLs	SOLID
4-chloro-3-methylphenol		
2-chlorophenol		
2,4-Dichlorophenol		
2,4-Dimethylphenol		
2,4-dinitrophenol		
2-methyl-4,6-dinitrophenol		
2-nitrophenol		
4-nitrophenol		
Pentachlorophenol		
Phenol		
2,4,6-trichlorophenol		

**METHOD 8015B**

	MDLs	SOLID
Acetone	10 ug/l	
Acetonitrile	10 ug/l	
Acrolein	10 ug/l	
Acrylonitrile	10 ug/l	
Allyl alcohol	10 ug/l	
1-Butanol (n-Butyl alcohol)	10 ug/l	

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## Method 8015B continued

	MDLs:	SOLID
t-Butyl alcohol	10 ug/l	
2-Chloroacetonitrile	10 ug/l	
2-Chloroethyl vinyl ether	10 ug/l	
Crotonaldehyde	10 ug/l	
Diethyl ether	10 ug/l	
1,4-Dioxane	10 ug/l	
Epichlorohydrin	10 ug/l	
Ethanol	10 ug/l	
Ethyl acetate	10 ug/l	
Ethyl glycol	10 ug/l	
Ethylene oxide	10 ug/l	
Hexafluoro-2-propanol (I.S.)	10 ug/l	
Hexafluoro-2-methyl		
2-propanol (I.S.)	10 ug/l	
Isobutyl alcohol	10 ug/l	
Isopropyl alcohol	10 ug/l	
Methanol	10 ug/l	
Methyl ethyl ketone (MEK)	10 ug/l	
Methyl isobutyl ketone (MIBK)	10 ug/l	
N-Nitroso-di-n-butylamine	10 ug/l	
Paraldehyde	10 ug/l	
2-Pentanone	10 ug/l	
2-Picoline	10 ug/l	
1-Propanol	10 ug/l	
Propionitrile	10/ug/l	
DRO	10/ug/l	
GRO	10/ug/l	
ORO	10/ug/l	

## METHOD 8041 Phenols by GC

	MDLs	SOLID
4-Chloro-3-methylphenol		
2-Chlorophenol		
2-Cyclohexyl-4,6-dinitrophenol		
2,4-Dichlorophenol		
2,6-Dichlorophenol		
2,4-Dimethylphenol		
Dinoseb (DNBP)		
2,4-Dinitrophenol		
2-Methyl-4,6-dinitrophenol		
2-Methylphenol (o-Cresol)		
3-Methylphenol (m-Cresol)		
4-Methylphenol (p-Cresol)		
2-Nitrophenol		
4-Nitrophenol		
Pentachlorophenol		



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## Method 8041 Phenols by GC continued

	MDLs	SOLID
Phenol		
2,3,4,5-Tetrachlorophenol		
2,3,4,6-Tetrachlorophenol		
2,3,5,6-Tetrachlorophenol		
2,4,5-Trichlorophenol		
2,4,6-Trichlorophenol		
2-Chloro-5-methylphenol		
4-chloro-2-methylphenol		
3-Chlorophenol		
4-Chlorophenol		
2,3-Dichlorophenol		
2,5-Dichlorophenol		
3,4-Dichlorophenol		
3,5-dichlorophenol		
2,3-Dimethylphenol		
2,5-Dimethylphenol		
2,6-Dimethylphenol		
3,4-Dimethylphenol		
2,5-Dinitrophenol		
3-Nitrophenol		
2,3,4-Trichlorophenol		
2,3,5-Trichlorophenol		
2,3,6-Trichlorophenol		

## METHOD 8100 Polynuclear Aromatic Hydrocarbons

	MDLs	SOLID
Acenaphthene		
Acenaphthylene		
Anthracene		
Benzo(a)anthracene		
Benzo(a)pyrene		
Benzo(b)fluoranthene		
Benzo(j)fluoranthene		
Benzo(k)fluoranthene		
Benzo(ghi)perylene		
Chrysene		
Dibenz(a,h)acridine		
Dibenz(a,j)acrodome		
Dibenzo(a,h)anthracene		
7H-Dibenzo(c,g)carbazole		
Dibenzo(a,e)pyrene		
Dibenzo(a,h)pyrene		
Dibenzo(a,l)pyrene		
Fluoranthene		
Fluorene		

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## Method 8100 Polynuclear Aromatic Hydrocarbons continued

	MDLs	SOLID
Indo(1,2,3-cd)pyrene		
3-Methylcholanthrene		
Naphthalene		
Phenanthrene		
Pyrene		

## METHOD 8121, Chlorinated Hydrocarbons

	MDLs	SOLID
Benzal chloride	10ug/l	
Benzotrichloride	10ug/l	
Benzyl chloride	10ug/l	
2-Chloronaphthalene	10ug/l	
1,2-Dichlorobenzene	10ug/l	
1,3-Dichlorobenzene	10ug/l	
1,4-Dichlorobenzene	10ug/l	
Hexachlorobenzene	10ug/l	
Hexachlorobutadiene	10ug/l	
$\alpha$ -Hexachlorocyclohexane ( $\alpha$ -BHC)	10ug/l	
$\beta$ -Hexachlorocyclohexane ( $\beta$ -BHC)	10ug/l	
$\gamma$ -Hexachlorocyclohexane ( $\gamma$ -BHC)	10ug/l	
$\delta$ -Hexachlorocyclohexane ( $\delta$ -BHC)	10ug/l	
Hexachlorocyclopentadiene	10ug/l	
Hexachloroethane	10ug/l	
Pentachlorobenzene	10ug/l	
1,2,3,4-Tetrachlorobenzene	10ug/l	
1,2,3,5-Tetrachlorobenzene	10ug/l	
1,2,4,5-Tetrachlorobenzene	10ug/l	
1,2,4-Trichlorobenzene	10ug/l	
1,2,3,-Trichlorobenzene	10ug/l	
1,3,5-Trichlorobenzene	10ug/l	

## METHOD 8151A, Chlorinated Herbicides

	MDLs	SOLID
2,4-D		
2,4-DB		
2,4,5-TP(Silvex)		
2,4,5-T		
Dalapon		
Dicamba		
Dichloroprop		
Dinoseb		
MCPA		
MCPP		
4-Nitrophenol		
Pentachlorophenol		
Acifluorfen		

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## Method 8151A, Chlorinated Herbicides-continued

	MDLs	SOLID
Bentazon		
Chloramben		
DCPA diacid		
3,5-Dichlorobenzoic Acid		
5-Hydroxydicamba		
Picloram		

## METHOD 8260

	MDLs	SOLID
Acetone	10 ug/l	
Acetonitrile	10 ug/l	
Acrolein (Propenal)	10 ug/l	
Acrylonitrile	10 ug/l	
Allyl alcohol	10 ug/l	
Allyl chloride	10 ug/l	
Benzene	10 ug/l	
Benzyl chloride	10 ug/l	
Bis(2-chloroethyl)sulfide	10 ug/l	
Bromoacetone	10 ug/l	
Bromochloromethane	10 ug/l	
Bromodichloromethane	10 ug/l	
4-Bromofluorobenzene	10 ug/l	
Bromoform	10 ug/l	
Bromomethane	10 ug/l	
n-Butanol	10 ug/l	
2-Butanone (MEK)	10 ug/l	
t-Butylalcohol	10 ug/l	
Carbon disulfide	10 ug/l	
Carbon tetrachloride	10 ug/l	
Chloral hydrate	10 ug/l	
Chlorobenzene	10 ug/l	
Chlorodibromomethane	10 ug/l	
Chloroethane	10 ug/l	
2-Chloroethanol	10 ug/l	
2-Chloroethyl vinyl ether	10 ug/l	
Chloroform	10 ug/l	
Chloromethane	10 ug/l	
Chloroprene	10 ug/l	
3-Chloropropionitrile	10 ug/l	
Crotonaldehyde	10 ug/l	
1,2-Dibromo-3-chloropropane	10 ug/l	
1,2-Dibromoethane	10 ug/l	
Dibromomethane	10 ug/l	
1,2-Dichlorobenzene	10 ug/l	
1,3-Dichlorobenzene	10 ug/l	
1,4-Dichlorobenzene	10 ug/l	

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## METHOD 8260 continued

	MDLs	SOLID
cis-1,4-Dichloro-2-butene	10 ug/l	
trans-1,4-Dichloro-2-butene	10 ug/l	
Dichlorodifluoromethane	10 ug/l	
1,1-Dichloroethane	10 ug/l	
1,2-Dichloroethane	10 ug/l	
1,1-Dichloroethene	10 ug/l	
trans-1,2-Dichloroethene	10 ug/l	
1,2-Dichloropropane	10 ug/l	
1,3-Dichloro-2-propanol	10 ug/l	
cis-1,3-Dichloropropene	10 ug/l	
trans-1,3-Dichloropropene	10 ug/l	
1,2,3,4-Dipoxybutane	10 ug/l	
Dichyl ether	10 ug/l	
1,4-Difluorobenzene	10 ug/l	
1,4-Dioxane	10 ug/l	
Epichlorohydrin	10 ug/l	
Ethanol	10 ug/l	
Ethyl acetate	10 ug/l	
Ethylbenzene	10 ug/l	
Ethylene oxide	10 ug/l	
Ethyl methacrylate	10 ug/l	
Fluorobenzene	10 ug/l	
Hexachlorobutadiene	10 ug/l	
Hexachloroetane	10 ug/l	
2-Hexanone	10 ug/l	
2-Hydroxypropionitrile	10 ug/l	
Iodometane	10 ug/l	
Isobutyl alcohol	10 ug/l	
Isopropylbenzene	10 ug/l	
Malononitrile	10 ug/l	
Methacrylonitrile	10 ug/l	
Methanol	10 ug/l	
Methylene chloride	10 ug/l	
Methyl methacrylate	10 ug/l	
4-Methyl-2-pentanone (MIBK)	10 ug/l	
Naphthalene	10 ug/l	
Nitrobenzene	10 ug/l	
2-Nitropropane	10 ug/l	
N-Nitroso-di-n-butylamine	10 ug/l	
Paraldehyde	10 ug/l	
Pentachloroethane	10 ug/l	
2-Pentanone	10 ug/l	
2-Picoline	10 ug/l	
1-Propanol	10 ug/l	
2-Propanol	10 ug/l	
Propargyl alcohol	10 ug/l	

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## METHOD 8260 continued

	MDLs	SOLID
$\beta$ -Propiolactone	10 ug/l	
Propionitrile (ethyl cyanide)	10 ug/l	
n-Propylamine	10 ug/l	
Pyridine	10 ug/l	
Styrene	10 ug/l	
1,1,1,2-Tetrachloroethane	10 ug/l	
1,1,2,2-Tetrachloroethane	10 ug/l	
Tetrachloroethene	10 ug/l	
Toluene	10 ug/l	
o-Touidine	10 ug/l	
1,2,4-Trichlorobenzene	10 ug/l	
1,1,1-Trichloroethane	10 ug/l	
1,1,2-Trichloroethane	10 ug/l	
Trichloroethene	10 ug/l	
Trichlorofluoromethane	10 ug/l	
1,2,3-Trichloropropane	10 ug/l	
Vinyl acetate	10 ug/l	
Vinyl Chloride	10 ug/l	
o-Xylene	10 ug/l	
m-Xylene	10 ug/l	
p-Xylene	10 ug/l	

## Method 8270

	MDLs	SOLID
Acenaphthene	10	
Acenaphthylene	10	
Acetophenone	10	
2-Acetylaminofluorene	20	
1-Acetyl-2-thiourea	1000	
2-Aminoanthraquinone	20	
Aminoazobenzene	10	
4-Aminobiphenyl	20	
Anilazine	100	
Aniline		
o-Anisidine	10	
Anthracene	10	
Aramite	20	
Azinphos-methyl	100	
Benzidine		
Benzoic acid	50	
Benz(a)anthracene	10	
Benzo(b)fluoranthene	10	
Benzo(k)fluoranthene	10	
Benzo(g,h,i,)perylene	10	
Benzo(a)pyrene	10	
p-Benzoquinone	10	

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## METHOD 8270 continued

	MDLs	SOLID
Benzyl alcohol	20	
Bis(2-chloroethoxy)methane	10	
Bis(2-chloroethyl)ether	10	
Bis(2-chloroisopropyl) ether	10	
Bis(2-ethylhexyl)phthalate		
4-Bromophenyl phenyl ether	10	
Bromoxynil	10	
Butyl Benzyl phthalate	10	
Captafol	20	
Captan	50	
Carbaryl	10	
Carbofuran	10	
Carbophenothion	10	
Chlordane		
Chlorfenvinphos	20	
4-Chloroaniline	20	
Chlorobenzilate	10	
5-Chloro-2-methylaniline	20	
4-Chloro-3-methylphenol	20	
3-(Chloromethyl)pyridine hydrochloride	100	
1-Chloronaphthalene		
2-Chloronaphthalene	10	
2-Chlorophenol	10	
4-Chloro-1,2-phenylenediamine		
4-Chloro-1,3-phenylenediamine		
4-Chlorophenyl phenyl ether	10	
Chrysene	10	
Coumaphos	40	
p-Cresidine	10	
Crotoxyphos	20	
2-Cyclohexyl-4,6-dinitro-phenol	100	
Demeton-O	10	
Demeton-S	10	
Diallate (cis or trans)	10	
2,4-Diaminotoluene	20	
Dibenz(a,i)acridine	10	
Dibenz(a,h)anthracene	10	
Dibenzofuran	10	
Dibenzo(a,e)pyrene	10	
1,2-Dibromo-3-chloropropane		
Di-n-butyl phthalate	10	
Diclonc		
1,2-Dichlorobenzene	10	
1,3-Dichlorobenzene	10	
1,4-Dichlorobenzene	10	
3,3'-Dichlorobenzidine	20	



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METHOD 8270 continued

	MDLs	SOLID
2,4-Dichlorophenol	10	
2,6-Dichlorophenol	10	
Dichlorovos	10	
Dicrotophos	10	
Diethyl phthalate	10	
Dicthyelstilbestrol	20	
Dimethoate	20	
3,3'-Dimethoxybenzidine	100	
Dimethylaminoazobenzene	10	
7,12-Dimethylbenz(a)anthracene	10	
3,3'-Dimethylbenzidiene	10	
2,4-Dimethylphenol	10	
Dimethyl phthalate	10	
1,2-Dinitrobenzene	40	
1,3-Dinitrobenzene	20	
1,4-Dinitrobenzene	40	
4,6-Dinitro-2-methylphenol	50	
2,4-Dinitrophenol	50	
2,4-Dinitrotoluene	10	
2,6-Dinitrotoulene	10	
5,5-Diphenylhydantoin	20	
1,2-Diphenylhydrazine		
Di-n-octyl phthalate	10	
Disulfoton	10	
EPN	10	
Ethion	10	
Ethyl carbamate	50	
Ethyl methanesulfonate	20	
Famphur	20	
Fensulfothion	40	
Fenthion	10	
Fluchloralin	20	
Fluoranthene	10	
Fluorene	10	
2-Fluorobiphenyl		
2-Fluorophenol		
Hexachlorobenzene	10	
Hexachlorobutadiene	10	
Hexachlorocyclopentadiene	10	
Hexachloroethane	10	
Hexacholorophene	50	
Hexamethylphosphoramide	20	
Hydroquinone		
Indeno(1,2,3-cd)pyrene	10	
Isodrin	20	
Isophorone	10	

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## METHOD 8270 continued

	MDLs	SOLID
Isosafrole	10	
Kepone	20	
Leptophos	10	
Mestranol	20	
Methapyrilene	100	
3-Methylcholanthrene	10	
Methyl methanesulfonate	10	
2-Methylnaphthalene	10	
2-Methylphenol	10	
3-Methylphenol	10	
4-Methylphenol	10	
Monocrotophos	40	
Naphthalene	10	
1,4-Naphthoquinone	10	
1-Naphthylamine	10	
2-Naphthylamine	10	
Nicotine	20	
5-Nitroacenaphthene	10	
2-Nitroaniline	50	
3-Nitroaniline	50	
4-Nitroaniline	20	
5-Nitro-o-toluidine	10	
4-Nitroquinoline-1-oxide	40	
N-Nitrosodi-n-butylamine	10	
N-Nitrosodiethylamine	20	
N-Nitrosodimethylamine		
N-Nitrosodiphenylamine	10	
N-Nitrosodi-n-propylamine	10	
N-Nitrosomorpholine		
N-Nitrosopiperidine	20	
N-Nitrosopyrrolidine	40	
Octamethyl pyrophosphoramidate	200	
4-4'-Oxydianiline	20	
Pentachlorobenzene	10	
Pentachloronitrobenzene	20	
Pentachlorophenol	50	
Phenacetin	20	
Phenanthrene	10	
Phenobarbital	10	
Phenol	10	
1,4-Phenylenediamine	10	
Phorate	10	
Phosalone	100	
Phosmet	40	
Phosphamidon	100	

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## METHOD 8270 continued.

	MDLs	SOLID
Phthalic anhydride	100	
2-Picoline (2-Methylpyridine)		
Piperonyl sulfoxide	100	
Pronamide	10	
Propylthiouracil	100	
Pyrene	10	
Pyridine		
Resorcinol	100	
Safrole	10	
Strychnine	40	
Sulfallate	10	
Terbufos	20	
1,2,4,5-Tetrachlorobenzene	10	
2,3,4,6-Tetrachlorophenol	10	
Tetrachlorvinphos	20	
Tetraethyl pyrophosphate	40	
Thionazine	20	
Thiophenol (Benzenethiol)	20	
Toulene diisocyanate		
o-Toulidine	10	
Toxaphene		
2,4,6-Tribromophenol		
1,2,4-Trichlorobenzene	10	
2,4,5-Trichlorophenol	10	
2,4,6-Trichlorophenol	10	
Trifluralin	10	
2,4,5-Trimethylaniline	10	
Trimethyl phosphate	10	
1,3,5-Trinitrobenzene	10	
Tris(2,3-dibromopropyl) phosphate	200	
Tri-p-tolyl phosphate	10	
O,O,O-Triethyl phosphorothioate		

## METHOD 8310 Polynuclear Aromatic Hydrocarbons by HPLC

	MDLs	SOLID
Acenaphthene		
Acenaphthylene		
Anthracene		
Benzo(a)anthracene		
Benzo(a)pyrene		
Benzo(b)fluoranthene		
Benzo(k)fluoranthene		
Benzo(ghi)perylene		
Chrysene		

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**METHOD 8310 Polynuclear Aromatic Hydrocarbons by HPLC continued**

	<b>MDLs</b>	<b>SOLID</b>
Dibenzo(a,h)anthracene		
Fluoranthene		
Fluorene		
Indo(1,2,3-cd)pyrene		
Naphthalene		
Phenanthrene		
Pyrene		

<b>TCLP RCRA Pesticides and Herbicides</b>	<b>PQL µg/l</b>	<b>SOLID</b>
<b>EPA 1311/SW846</b>		
Chlordane	2.0	
Endrin	20.0	
Heptachlor (and its epoxide)	2.0	
Lindane	20.0	
Methoxychlor	20.0	
toxaphene	2.0	
2,4-D	50.0	
2,4,5-TP(silvex)	10.0	

<b>TCLP RCRA METALS</b>	<b>PQL µg/l</b>	<b>SOLID</b>
<b>EPA 1311/SW846</b>		
Arsenic	20.0	
Barium	500.0	
Cadmium	25.0	
Chromium	250.0	
Lead	500.0	
Mercury	2.0	
Selenium	20.0	
Silver	50.0	

<b>TCLP Volatile Organics</b>	<b>MDLs</b>	<b>SOLID</b>
<b>8260 with 1311 extraction</b>		
Benzene	50.0	
Carbon Tetrachloride	50.0	
Chlorobenzene	50.0	
Chloroform	50.0	
1,2-dichloroethane	50.0	
1,1-dichloroethane	50.0	
methyl ethyl ketone	1000.0	
tetrachloroethylene	50.0	
trichloroethylene	50.0	
vinyl chloride	50.0	

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**TCLP Semi-Volatile Organics  
8270 with 1311 extraction**

	MDLs	SOLID
o-cresol	20.0	
m,p-cresol	40.0	
2,4-dinitrotoluene	10.0	
hexachlorobenzene	10.0	
hexachloro-1,3-butadiene	10.0	
hexachloroethane	10.0	
nitrobenzene	10.0	
pentachlorophenol	20.0	
pyridiene	10.0	
2,4,5-trichlorophenol	20.0	
2,4,6-trichlorophenol	20.0	
1,4-dichlorobenzene	10.0	

**RCRA General Chemistry**

	MDLs	SOLID
Ignitability		Corrosivity
Total Releasable Sulfide as H <sub>2</sub> S	5.0	
Total Releasable Cyanide as HCN	1.0	

**Metals/Cyanide Target Analyte List (TAL)-low level option**

EPA 200.7/SW 7470/7471

MDL

Water/solid

Aluminum	200 µg/l /40 mg/Kg
Antimony	60 µg/l /12 mg/Kg
Arsenic	10 µg/l /2 mg/Kg
Barium	200 µg/l /40 mg/Kg
Beryllium	5 µg/l /1 mg/Kg
Cadmium	5 µg/l /1 mg/Kg
Calcium	5000 µg/l /1000 mg/Kg
Chromium	10 µg/l /2 mg/Kg
Cobalt	50 µg/l /10 mg/Kg
Copper	25 µg/l /5 mg/Kg
Iron	100 µg/l /20 mg/Kg
Lead	3 µg/l /1 mg/Kg
Magnesium	5000 µg/l /1000 mg/Kg
Manganese	15 µg/l /3 mg/Kg
Molybdenum	20 µg/l /8 mg/Kg
Nickel	40 µg/l /8 mg/Kg
Potassium	5000 µg/l /1000 mg/Kg
Selenium	5 µg/l /1 mg/Kg mg/Kg
Silica	100 µg/l /20 mg/Kg
Silver	10 µg/l /2 mg/Kg

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**Metals/Cyanide Target Analyte List (TAL)-low level option continued**

	MDL
Sodium	5000 µg/l /1000 mg/Kg
Thallium	10 µg/l /2 mg/Kg
Vanadium	20 µg/l /4 mg/Kg
Zinc	10 µg/l /2 mg/Kg

**Priority Pollutant Metals-(Low Level option)Water**

EPA 245.1	MDL
Mercury	0.2 ng/l

**Priority Pollutant Metals (low level option)-soil**

EPA 245.5	MDL
Mercury	0.1 mg/kg

**Soild Waste Phase 1 Organics (Title 33 Series 1) Cost (Groundwater only) per set:**

PARAMETER	METHOD	MDLs	SOLID
Acetone	8260	10	
Acrylonitrile	8260	10	
Benzene	8260	1.0	
Bromochloromethane	8260	1.0	
Bromodichloromethane	8260	1.0	
Bromoform	8260	1.0	
Carbon disulfide	8260	10	
Carbon tetrachloride	8260	1.0	
Chlorobenzene	8260	1.0	
Chloroethane	8260	1.0	
Chloroform	8260	1.0	
Dibromochloromethane	8260	1.0	
1,2-Dibromo-3-chloropropane (DBCP)	8011	0.2	
1,2,-Dibromoethane (EDB)	8011	.05	
o-Dichlorobenzene	8260	1.0	
p-Dichlorobenzene	8260	1.0	
trans-1,4-Dichloro-2-butene	8260	1.0	
1,1-Dichloroethane	8260	1.0	
1,2-Dichloroethane	8260	1.0	
1,1-Dichloroethylene	8260	1.0	
cis-1,2-Dichloroethylene	8260	1.0	
trans-1,2-Dichloroethylene	8260	1.0	
1,2-Dichloropropane	8260	1.0	
cis-1,3-Dichloropropene	8260	1.0	
trans-1,3-Dichloropropene	8260	1.0	



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## Soild Waste Phase 1 Organics (Title 33 Series 1 continued)

	METHOD	MDLs	SOLID
Ethylbenzene	8260	1.0	
2-Hexanone	8260	10	
Methyl bromide	8260	1.0	
Methyl chloride	8260	1.0	
Methylene bromide	8260	1.0	
Methylene chloride	8260	1.0	
Methyl ethyl ketone	8260	10	
Methyl iodide	8260	10	
4-Methyl-2-pentanone	8260	10	
Styrene	8260	1.0	
1,1,1,2-Tetrachloroethane	8260	1.0	
1,1,2,2-Tetrachloroethane	8260	1.0	
Toulene	8260	1.0	
1,1,1-Trichloroethane	8260	1.0	
1,1,2-Trichloroethane	8260	1.0	
Trichloroethylene	8260	1.0	
Trichlorofluoromethane	8260	1.0	
1,2,3-Trichloropropane	8260	1.0	
Vinyl acetate	8260	10	
Vinyl chloride	8260	1.0	
Xylenes	8260	1.0	

## ORGANIC ANALYSIS OF WATER AND SOIL

DEP15706

## Bid Schedule

Vendors Name: Reliance Laboratories, Inc.

The DEP reserves the right to request additional information and supporting documentation regarding unit prices when the unit price appears to be unreasonable.

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1.0		Method 601, Purgeable Halocarbons - See page 7		
1.1	12	Single compound analysis cost		\$
1.2	12	Up to 10 compounds then complete list cost applies		\$
1.3	12	Complete list cost		\$
2.0		Method 602, Purgeable Aromatics - See page 7		
2.1	15	Single compound analysis cost		\$
2.2	15	Complete list cost		\$
3.0		Method 603, Acrolein & Acrylonitrile - See page 7		
3.1	15	Single compound analysis cost		\$
3.2	15	Complete list cost		\$
4.0		Method 604, Phenols - See page 8		
4.1	20	Single compound analysis cost		\$
4.2	20	Up to 10 compounds then complete list cost applies		\$
4.3	20	Complete list cost		\$
5.0		Method 605, Benzidines - See page 8		
5.1	12	Single compound analysis cost		\$
5.2	12	Complete list cost		\$
6.0		Method 606, Phthalate Esters - See page 8		
6.1	12	Single compound analysis cost		\$
6.2	12	Complete list cost		\$
7.0		Method 607, Nitrosamines - See page 8		
7.1	12	Single compound analysis cost		\$
7.2	12	Complete list cost		\$
8.0		Method 608, Organochlorine Pesticides & PCBs - See page 8-9		
8.1	15	Single compound analysis cost		\$
8.2	15	Up to 10 compounds then complete list cost applies		\$
8.3	15	Complete list cost		\$

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	AMOUNT
9.0		Method 609, Nitroaromatics & Isophorone - See page 9	
9.1	12	Single compound analysis cost	\$
9.2	12	Complete list cost	\$
10.0		Method 610, Polynuclear Aromatic Hydrocarbons - See page 9	
10.1	20	Single compound analysis cost	\$
10.2	20	Up to 10 compounds then complete list cost applies	\$
10.3	20	Complete list cost	\$
11.0		Method 611, Halocthers - See page 9	
11.1	12	Single compound analysis cost	\$
11.2	12	Complete list cost	\$
12.0		Method 612, Chlorinated hydrocarbons - See page 10	
12.1	12	Single compound analysis cost	\$
12.2	12	Complete list cost	\$
13.0		Method 613, 2,3,7,8 Tetrachlorodibenzo-P-dioxin - See page 10	
13.1	12	Single compound analysis cost	\$
14.0		Method 613, Tetra-through Octa-Chlorinated Dibenzo-P-dioxins (CDDs) & Dibenzofurans (CDFs) - See page 10	
14.1	12	Complete list cost	\$
15.0		Method 624, Purgeables - See page 10-11	
15.1	20	Single compound analysis cost	\$
15.2	20	Up to 10 compounds then complete list cost applies	\$
15.3	20	Complete list cost	\$
16.0		Method 625, Base/Neutrals Extractables - See page 11-12	
16.1	12	Single compound analysis cost	\$
16.2	12	Up to 10 compounds then complete list cost applies	\$
16.3	12	Complete list cost	\$
17.0		Method 625, Acid Extractables - See page 12	
17.1	12	Single compound analysis cost	\$
17.2	12	Up to 10 compounds then complete list cost applies	\$
17.3	12	Complete list cost	\$
18.0		Method 8015B - See page 12-13	
18.1	20	Single compound analysis cost	\$
18.2	20	Up to 10 compounds then complete list cost applies	\$
18.3	20	Complete list cost	\$
19.0		Method 8041, Phenols by GC - See page 13	
19.1	12	Single compound analysis cost	\$
19.2	12	Up to 10 compounds then complete list cost applies	\$
19.3	12	Complete list cost	\$

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION		AMOUNT
20.0		Method 8100, Polynuclear Aromatic Hydrocarbons - See page 14-15		
20.1	20	Single compound analysis cost		\$
20.2	20	Up to 10 compounds then complete list cost applies		\$
20.3	20	Complete list cost		\$
21.0		Method 8121, Chlorinated Hydrocarbons - See page 15		
21.1	12	Single compound analysis cost		\$
21.2	12	Up to 10 compounds then complete list cost applies		\$
21.3	12	Complete list cost		\$
22.0		Method 8151A, Chlorinated Herbicides - See page 15-16		
22.1	12	Single compound analysis cost		\$
22.2	12	Up to 10 compounds then complete list cost applies		\$
22.3		Complete list cost		\$
23.0		Method 8260, - See page 16-18		
23.1	15	Search for additional tentatively identified compounds	10.00	\$ 150.00
23.2	15	Single compound analysis cost	50.00	\$ 750.00
23.3	15	Up to 10 compounds then complete list cost applies	5.00	\$ 75.00
23.4	15	Complete list cost	145.00	\$ 2175.00
23.5	15	GC-MS Scan per TIC, report TICS that are detected at 10% of the area of the nearest internal standard	10.00	\$ 150.00
24.0		Method 8270, - See page 18-22		
24.1	15	Search for additional tentatively identified compounds	10.00	\$ 150.00
24.2	15	Single compound analysis cost	95.00	\$ 1425.00
24.3	15	Up to 10 compounds then complete list cost applies	5.00	\$ 75.00
24.4	15	Complete list cost	275.00	\$ 4125.00
24.5	15	GC-MS Scan per TIC, report TICS that are detected at 10% of the area of the nearest internal standard	10.00	\$ 150.00
25.0		Method 8310, Polynuclear Aromatic Hydrocarbons by HPLC - See page 22-23		
25.1	15	Single compound analysis cost		\$
25.2	15	Up to 10 compounds then complete list cost applies		\$
25.3	15	Complete list cost		\$
26.0		TCLP RCRA Pesticides & Herbicides EPA 1311/SW846 - See page 23		
26.1	12	Single compound analysis cost		\$
26.2	12	Complete list cost		\$
27.0		TCLP RCRA Metals EPA 1311/SW846 - See page 23		
27.1	24	Single compound analysis cost	95.00	\$ 2280.00
27.2	24	Complete list cost	185.00	\$ 4440.00
28.0		TCLP Volatile Organics 8260 with 1311 extraction - See page 23		
28.1	20	Single compound analysis cost	95.00	\$ 1900.00
28.2	20	Up to 10 compounds then complete list cost applies	5.00	\$ 100.00
28.3	20	Complete list cost	185.00	\$ 3700.00



ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION		AMOUNT
29.0		TCLP Semi-Volatile Organics 8720 with 1311 extraction - See page 24		
29.1	12	Single compound analysis cost	100.00	\$ 1200.00
29.2	12	Up to 10 compounds then complete list cost applies	5.00	\$ 60.00
29.3	12	Complete list cost	200.00	\$ 2400.00
30.0		RCRA General Chemistry - See page 24		
30.1	12	Single compound analysis cost	35.00	\$ 420.00
30.2	12	Complete list cost	100.00	\$ 1200.00
31.0		Metals/Cyanide Target Analyte List (TAL)-Low level option EPA 200.7/SW 7470/7471 - See page 24-25		\$
31.1	12	Single compound analysis cost	10.00	\$ 120.00
31.2	12	Complete list cost	240.00	\$ 2880.00
32.0	10	Priority Pollutant Metals-(low level option-Mercury) Water	25.00	\$ 250.00
33.0	10	Priority Pollutant Metals-(low level option-Mercury) Soil	25.00	\$ 250.00
34.0	10	8081A Organochlorine Pesticides GC		\$
35.0	10	8280 PCBs by GC		\$
36.0	10	8061A Phthalate Esters by GC/EDC		\$
37.0	20	8270 PAH by GC/MS	80.00	\$ 1600.00
38.0	20	8260B Semivolatile Organics by GC/MS	125.00	\$ 2500.00
39.0	20	8270C Semivolatile Organics by GC/MS	200.00	\$ 4000.00
40.0	30	BTEX (8021B/8260B)	50.00	\$ 1500.00
41.0	30	BTEX (8021B)/MTBE (8021B)	60.00	\$ 1800.00
42.0	30	BTEX (8021B)/GRO (8015B)	85.00	2550.00
43.0	30	BTEX (8021B)/DRO/GRO (8015B)	125.00	\$ 3750.00
44.0	30	BTEX (8021B)/GRO (8015B)/MTBE (8021B)	85.00	2550.00
45.0	30	BTEX (8021B)/DRO/GRO (8015B)/MTBE (8021B)	125.00	\$ 3750.00
46.0	30	BTEX/MTBE/TBA/EDB/EDC by 8260B (SIM)	100.00	\$ 3000.00
47.0	10	TPH-ORO (8015B)	50.00	\$ 500.00
48.0	10	TPH-GRO (8015B)	50.00	\$ 500.00
49.0	10	TPH-DRO (8015B)	50.00	\$ 500.00
50.0	10	TPH-DRO/ORO (8015)	75.00	\$ 750.00

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION		AMOUNT
51.0	10	TPH-GRO/DRO (8015B)	80.00	\$ 800.00
52.0	20	TPH-GRO/DRO/ORO (8015B)	125.00	\$ 2500.00
53.0		Solid Waste Phase I Organics (Title 33 Series1) Cost (Groundwater only) per set; - See page 25:26		
53.1	12	Search for additional tentatively identified compounds	10.00	\$ 120.00
53.2	12	Single compound analysis cost	50.00	\$ 600.00
53.3	12	Up to 10 compounds then complete list cost applies	5.00	\$ 60.00
53.4	12	Total cost Phase I 8260 complete list	145.00	\$ 1740.00
54.0		Priority Pollutants by SW-846 Protocol Analysis		
54.1	12	Priority Pollutant Volatiles	110.00	\$ 1320.00
54.2	12	Priority Pollutant Semi-Volatiles	200.00	\$ 2400.00
54.3	12	Priority Pollutant Pesticides/PCBs	105.00	\$ 1260.00
54.4	12	Priority Pollutant Inorganics	145.00	\$ 1740.00
54.5	12	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodibenzo-p-Dioxin) quoted at time of analysis	550.00	\$ 6600.00
55.0		Total Toxic Organics (TTO) by SW-846 Protocol Analysis		
55.1	12	TTO Volatiles	145.00	\$ 1740.00
55.2	12	TTO Semi-Volatiles	200.00	\$ 2400.00
55.3	12	TTO Pesticides/PCBs	105.00	\$ 1260.00
55.4	12	TTO Inorganics	N/A	\$ N/A
55.5	12	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodibenzo-p-Dioxin) quoted at time of analysis	450.00	\$ 5400.00
56.0		Target Compounds List (TCL) Analysis		
56.1	12	TCL Volatiles	145.00	\$ 1740.00
56.2	12	TCL Semi-Volatiles	200.00	\$ 2400.00
56.3	12	TCL Pesticides/PCBs	105.00	\$ 1260.00
56.4	12	TCL Inorganics	200.00	\$ 2400.00
56.5	12	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodibenzo-p-Dioxin) quoted at time of analysis	650.00	\$ 7800.00
57.0		Hazardous Waste Characterizations Analysis		
57.1	12	Reactivity	70.00	\$ 840.00
57.2	12	Ignitability	40.00	\$ 480.00
57.3	12	Corrosivity (pH)	7.00	\$ 84.00
57.4	12	Corrosivity (NACE)		\$
57.5	12	BTU		\$
57.6	12	TCLP	550.00	\$ 6600.00
57.7	12	Total Package Cost		\$



ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION		AMOUNT
58.0		TCLP Extractions Analysis		
58.1	15	Percent Solids (metals, semi-volatiles, volatiles, pesticides, herbicides)	15.00	\$ 225.00
58.2	15	Characterization Extraction (metals, semi-volatiles, pesticides, herbicides)	30.00	\$ 450.00
58.3	15	Zero Headspace Extraction (volatiles)	50.00	\$ 750.00
59.0		TCLP Analysis - Analysis		
59.1	20	TCLP Metals quantified to .10% of TCLP levels	185.00	\$ 3700.00
59.2	20	TCLP-Mercury	90.00	\$ 1800.00
59.3	20	TCLP-Individual Metal	85.00	\$ 1700.00
59.4	20	Additional Metals (Flame, Furnace, ICP, ICP-MS)	10.00	\$ 200.00
59.5	20	Analysis by Standard Method of Addition (per metal)	30.00	\$ 600.00
59.6	20	TCLP Pb characterization (includes extraction fees)	85.00	\$ 1700.00
59.7	20	TCLP Volatile Organics	185.00	\$ 3700.00
59.8	20	TCLP Semi-Volatile Organics	200.00	\$ 4000.00
59.9	20	TCLP Pesticides/Herbicides		\$
59.10	20	TCLP Pesticides		\$
59.11	20	TCLP Herbicides		\$
59.12	20	Full TCLP	550.00	\$ 11000.00
		NOTE: Multiphasic samples will be subject to additional extraction and analytical fee		
60.0	12	Phase II Groundwater Parameters		\$
51.0	12	Volatiles by Method 8260 - Groundwater II	145.00	\$ 1740.00
62.0	12	Volatiles by Method 8270 - Groundwater II	200.00	\$ 2400.00
63.0	12	Encore Sampling Kits	40.00	\$ <del>480.00</del> 480.00
64.0	12	Terra Core Sampling Kits	10.00	\$ 120.00
<b>Collection of Samples-Cost associated with samples from DEP Offices</b>				
65.0	24	*Charleston Office, 601 57th St., SE, Charleston, WV 25304	100.00	\$ 2400.00
66.0	24	*Teays Office, P.O. Box 662, Teays, WV. 25596	100.00	\$ 2400.00
67.0	24	*Fairmont Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554	N/C	\$ N/C
68.0	24	*Romney Office, HC 63, Box 2545, Romney, WV 26757	75.00	\$ 1800.00
69.0	24	*French Creek Office, P.O. Box 38, French Creek, WV 26218	25.00	\$ 600.00
70.0	24	*Wheeling Office, 131A Peninsula St., Wheeling, WV 26003	75.00	\$ 1800.00
71.0	24	*Parkersburg Office, 2311 Ohio Ave., Parkersburg, WV 26010	50.00	\$ 1200.00
72.0	24	*Oak Hill Office, 116 Industrial Dr., Oak Hill, WV 25901	100.00	\$ 2400.00

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION		AMOUNT
73.0	10	24 Hour Turn-Around Rush Orders**	X 2.00	\$
74.0	10	48 Hour Turn-Around Rush Orders**	X 1.50	\$
75.0	10	72 Hour Turn Around Rush Orders**	X 1.25	\$
		<b>TOTAL</b>		\$
All unit pricing quoted should be based on standard (not to exceed two weeks) turn-around time.				
**During emergency situations samples may be requested on a quicker turn-around basis.				

## State of West Virginia

**VENDOR PREFERENCE CERTIFICATE**

Certification and application\* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. Application is made for 2.5% resident vendor preference for the reason checked:  
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. Application is made for 2.5% resident vendor preference for the reason checked:  
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. Application is made for 2.5% resident vendor preference for the reason checked:  
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4.  Application is made for 5% resident vendor preference for the reason checked:  
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:  
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:  
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Reliance Laboratories Signed: [Signature]  
 Date: Jan 31, 2012 Title: Lab Manager

\*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

RFQ No. DEP15706

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**West Virginia Code §5A-3-10a states:** No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

**WITNESS THE FOLLOWING SIGNATURE**

Vendor's Name: Reliance Laboratories, Inc.

Authorized Signature: [Signature] Date: 1/30/2012

State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 30th day of January, 2012.

My Commission expires 08/29, 2015.

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]







# RELIANCE LABORATORIES, INC.

ENVIRONMENTAL ANALYSTS AND CONSULTANTS

BRIDGEPORT, WV

www.RelianceLabs.net

MARTINSBURG, WV

Certifications: WV Department of Health #: 00354, 00433 | WV Department of Environmental Protection #: 158, 181  
MD Department of Environment #: 336, 337 | US Environmental Protection Agency #: WV00042, WV00901

## DEP15706 Personnel Qualifications

Position/Title	Name		Experience
William Kirk	Director	BS/MS	34 Years
Tenley Miller	Lab Manager	BS Chemistry	12 Years, 7 Years as Lab Manager
Crystal Parker	Supervisory Analyst	BS Biology	12 Years as Analyst
Misaki Coffman	Supervisory Analyst	BS Environmental Science	8 Years, 4 years as Analyst
Tracey Hanshaw	Analyst	BS Vet Science	5 Years
Amanda Seitz	Analyst	BS Environmental Science	5 Years
Amanda Tonkery	Analyst	BS Chemistry	2 Years
Chris Tomoro	Analyst	AS Lab Science	1 Year
Sara Franciosi	Analyst	BS Chemistry	1 Year
Dewayne Coffman	Field Technician	HS	3 Years
Gabe Miller	Office Manager	BS/MBA	4 Years
Dawn Cook	Sample Receiving	AS Forestry	4 Years
Ashley St.Angelo	Sample Receiving		1 Year
Alison Auvil	Lab Supervisor – Martinsburg	HS/ETC	9 Years
Adam Bixler	Analyst – Martinsburg	BS Biology	6 Years

West Virginia

Department of Environmental Protection

hereby certifies

Reliance Laboratories, Inc. Bridgeport

to perform analyses for the purpose of determining compliance with the requirements of the state's natural resources and environmental programs when required by an order issued by the agency or required by statute.

This certificate does not guarantee the validity of data generated, but indicates the methodology, equipment, quality control procedures, records, and proficiency of the laboratory have been examined and found to be acceptable.

This certificate is the property of the Department of Environmental Protection

158

February 17, 2006

Certificate number

Date Issued

Certification originally granted 3/22/1994

*Dee J. Ladd*

Quality Assurance Officer



Director

*David M. Young*



Attachment I

WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER AND WASTE MANAGEMENT

Annual Certified Parameter List

for

RELIANCE LABORATORIES - BRIDGEPORT  
BRIDGEPORT, WEST VIRGINIA

PARAMETERS CERTIFIED

NONPOTABLE WATER INORGANIC NONMETALS

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Acidity	SM19th2310 B	Titrimetric
Alkalinity	SM19th2320 B	Titrimetric
Ammonia	SM19th4500-NH3 C	Titrimetric
Ammonia	ASTM D6919-03	IC
Bromide	EPA300.0 Rev. 2.1	IC
Chloride	EPA300.0 Rev. 2.1	IC
Chloride	SM19th4500-Cl B	Titrimetric
Chlorine, Residual	SM19th4500-Cl G	Spectrophotometric
Chlorine, Residual (Field Test)	SM19th4500-Cl G	Spectrophotometric
Color	SM19th2120 B	Visual Comparison
Conductance, Specific	EPA120.1	Probe
Cyanide, Total	SM19th 4500-CN D	Titrimetric
Cyanide, Amenable to Chlorination	SM19th4500-CN F	ISE
Demand, Biochemical Oxygen (BOD)	SM19th5210 B	Probe
Demand, Chemical Oxygen (COD)	EPA410.4 Rev. 2.0	Spectrophotometric
Fluoride	EPA300.0 Rev. 2.1	IC
Hardness, Total	SM19th2340 C	Titrimetric
Kjeldahl, Total Nitrogen	SM19th4500-NH3 C	Titrimetric
Nitrate	EPA300.0 Rev. 2.1	IC
Nitrite	EPA300.0 Rev. 2.1	IC
Oil & Grease	EPA1664 A	Gravimetric
Organic Carbon, Total	SM19th5310 C	Oxidation
Phenolics, Total	EPA420.1 Rev 1978	Manual Spectrophotometric
Phosphorus, Total	SM19th4500 P E	Manual Spectrophotometric
Phosphorus, ortho	EPA300.0 Rev. 2.1	IC
Solids, Dissolved	SM19th2540 C	Gravimetric
Solids, Settleable	SM19th2540 F	Imhoff

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Solids, Suspended	SM19th2540 D	Gravimetric
Solids, Total	SM19th2540 B	Gravimetric
Solids, Volatile	EPA160.4	Gravimetric
Sulfate	ASTMD516-02	Turbidimetric
Sulfate	EPA300.0 Rev. 2.1	IC
Sulfide	SM19th4500-S F	Titrimetric
Surfactants (MBAS)	SM19th5540 C	Spectrophotometric
Temperature	SM19th2550 B	
Turbidity	EPA180.1	Turbidimetric
Oxygen, Dissolved (Field Test)	SM19th4500-O G	Probe
pH	SM19th4500-H B	Probe
pH(Field Test)	SM19th4500-H B	Probe
Ammonia	SM190th4500-NH3 B	Distillation
Cyanide	SM19th4500-CN C	Distillation
Cyanide	SW9010	Distillation
Fluoride	SM19th4500-F B	Distillation
Phosphorus, Total	SM19th4500-P B.5	Digestion
Total Kjeldahl Nitrogen	SM19th4500-Norg B	Digestion
Total Kjeldahl Nitrogen	SM19th4500-NH3 B	Distillation

### NONPOTABLE WATER TRACE METALS

<u>METAL</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Aluminum	EPA200.7 Rev 4.4-1994	ICP
Antimony	EPA200.7 Rev 4.4-1994	ICP
Arsenic	EPA200.7 Rev 4.4-1994	ICP
Barium	EPA200.7 Rev 4.4-1994	ICP
Beryllium	EPA200.7 Rev 4.4-1994	ICP
Boron	EPA200.7 Rev 4.4-1994	ICP
Cadmium	EPA200.7 Rev 4.4-1994	ICP
Calcium	EPA200.7 Rev 4.4-1994	ICP
Chromium	EPA200.7 Rev 4.4-1994	ICP
Cobalt	EPA200.7 Rev 4.4-1994	ICP
Copper	EPA200.7 Rev 4.4-1994	ICP
Iron	EPA200.7 Rev 4.4-1994	ICP
Lead	EPA200.7 Rev 4.4-1994	ICP
Magnesium	EPA200.7 Rev 4.4-1994	ICP
Manganese	EPA200.7 Rev 4.4-1994	ICP
Molybdenum	EPA200.7 Rev 4.4-1994	ICP
Nickel	EPA200.7 Rev 4.4-1994	ICP
Potassium	EPA200.7 Rev 4.4-1994	ICP
Selenium	EPA200.7 Rev 4.4-1994	ICP
Silver	EPA200.7 Rev 4.4-1994	ICP
Sodium	EPA200.7 Rev 4.4-1994	ICP
Thallium	EPA200.7 Rev 4.4-1994	ICP

METALMETHODTECHNOLOGY

Tin	EPA200.7 Rev 4.4-1994	ICP
Vanadium	EPA200.7 Rev 4.4-1994	ICP
Zinc	EPA200.7 Rev 4.4-1994	ICP
Aluminum	EPA200.8 Rev 5.4-1994	ICP-MS
Antimony	EPA200.8 Rev 5.4-1994	ICP-MS
Arsenic	EPA200.8 Rev 5.4-1994	ICP-MS
Barium	EPA200.8 Rev 5.4-1994	ICP-MS
Beryllium	EPA200.8 Rev 5.4-1994	ICP-MS
Boron	EPA200.8 Rev 5.4-1994	ICP-MS
Cadmium	EPA200.8 Rev 5.4-1994	ICP-MS
Calcium	EPA200.8 Rev 5.4-1994	ICP-MS
Chromium	EPA200.8 Rev 5.4-1994	ICP-MS
Cobalt	EPA200.8 Rev 5.4-1994	ICP-MS
Copper	EPA200.8 Rev 5.4-1994	ICP-MS
Iron	EPA200.8 Rev 5.4-1994	ICP-MS
Lead	EPA200.8 Rev 5.4-1994	ICP-MS
Magnesium	EPA200.8 Rev 5.4-1994	ICP-MS
Manganese	EPA200.8 Rev 5.4-1994	ICP-MS
Mercury	EPA200.8 Rev 5.4-1994	ICP-MS
Molybdenum	EPA200.8 Rev 5.4-1994	ICP-MS
Nickel	EPA200.8 Rev 5.4-1994	ICP-MS
Potassium	EPA200.8 Rev 5.4-1994	ICP-MS
Selenium	EPA200.8 Rev 5.4-1994	ICP-MS
Silver	EPA200.8 Rev 5.4-1994	ICP-MS
Sodium	EPA200.8 Rev 5.4-1994	ICP-MS
Strontium	EPA200.8 Rev 5.4-1994	ICP-MS
Thallium	EPA200.8 Rev 5.4-1994	ICP-MS
Tin	EPA200.8 Rev 5.4-1994	ICP-MS
Titanium	EPA200.8 Rev 5.4-1994	ICP-MS
Vanadium	EPA200.8 Rev 5.4-1994	ICP-MS
Zinc	EPA200.8 Rev 5.4-1994	ICP-MS
Mercury	EPA245.1	CVAA
Chromium, Hexavalent	SM19th3500-Cr D	Colorimetric
Total Metals	EPA200.7 Rev 4.4-1994	Digestion
Dissolved Metals	EPA200.7 Rev 4.4-1994	
Total Metals	EPA200.8 Rev 5.4-1994	Digestion
Dissolved Metals	EPA200.8 Rev 5.4-1994	

NONPOTABLE WATER VOLATILE ORGANIC CHEMICALSGROUPMETHODTECHNOLOGY

Total Petroleum Hydrocarbons (GRO)	SW8015B	GC/FID
BTEX	SW8021B	GC/PID (SUS)

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Volatile Organic Compounds	SW8260B	GC/MS
Volatile Organic Compounds	SW5030B	Purge and Trap
Volatile Organic Compounds	SW5035	Purge and Trap, Closed

### NONPOTABLE WATER EXTRACTABLE AND SEMI-VOLATILE ORGANIC CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Total Petroleum Hydrocarbons (DRO)	SW8015B	GC/FID
Solid Phase	SW3535A	Extraction

### NONPOTABLE WATER MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Fecal Coliform	SM19th9222 D	Membrane Filter
Heterotrophic Plate Count	SM19th9215 B	Pour Plate

### HAZARDOUS WASTE CHARACTERISTICS

<u>PROCEDURE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Corrosivity	SW9040 C	Probe
Ignitability	SW1010A	Closed Cup
Reactive Cyanide	Run Total Cyanide by SW9010/9014	
Reactive Sulfide	Run Total Sulfide by SW9030B/9034	
Paint Filter Test	SW9095B	Gravimetric
TCLP (Metals and Organics)	SW1311	Rotating Extractor

### SOLID AND CHEMICAL INORGANIC NONMETALS

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
pH	SW9045D	Probe
Ammonia	SM19th4500-NH3 C	Titrimetric
Kjeldahl, Total Nitrogen	SM19th4500-NH3 C	Titrimetric
Phosphorus, Total	SM20th4500-P E	Manual Spectrophotometric
Solids, Total	SM19th2540 B	Gravimetric
Ammonia	SM19th4500-NH3 B (M)*	Distillation
Cyanide, Total	SW9013	Distillation
Cyanide, Total	SW9010	Distillation
Total Kjeldahl Nitrogen	SM19th4500Norg B	Digestion
Total Kjeldahl Nitrogen	SM19th4500-NH3 B	Distillation
Phosphorus, Total	SM19th4500-P B.5 (M)*	Digestion

\*Modified for analysis of solid and chemical matrices.

## SOLID AND CHEMICAL TRACE METALS

<u>METAL</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Aluminum	SW6010C	ICP
Antimony	SW6010C	ICP
Arsenic	SW6010C	ICP
Barium	SW6010C	ICP
Beryllium	SW6010C	ICP
Boron	SW6010C	ICP
Cadmium	SW6010C	ICP
Calcium	SW6010C	ICP
Chromium	SW6010C	ICP
Cobalt	SW6010C	ICP
Copper	SW6010C	ICP
Iron	SW6010C	ICP
Lead	SW6010C	ICP
Magnesium	SW6010C	ICP
Manganese	SW6010C	ICP
Molybdenum	SW6010C	ICP
Nickel	SW6010C	ICP
Potassium	SW6010C	ICP
Selenium	SW6010C	ICP
Silver	SW6010C	ICP
Sodium	SW6010C	ICP
Vanadium	SW6010C	ICP
Zinc	SW6010C	ICP
Mercury	SW7471A	CVAA
Metals	SW3050B	Digestion

## SOLID AND CHEMICAL MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Fecal Coliform	SM19th9222 D	Membrane Filter

## SOLID AND CHEMICAL VOLATILE ORGANIC CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Total Petroleum Hydrocarbons (GRO)	SW8015B	GC/FID
Halogenates & Aromatics	SW8021B	GC/PID/HECD
Volatile Organics in Soil	SW5035	Purge and Trap

SOLID AND CHEMICAL EXTRACTABLE AND SEMI-VOLATILE ORGANIC  
CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Total Petroleum Hydrocarbons (DRO)	SW8015B	GC/FID
Ultrasonic Extraction	SW3550 C	

This laboratory may test **ONLY** for those environmental parameters listed above for compliance reporting purposes. All testing must be by the test method cited in the current application for certification.

This Certification Expires April 30, 2012.

Certificate No 158

*Daniel T. Arnold*

\_\_\_\_\_  
Issued on September 27, 2011

Daniel T. Arnold  
Program Manager

West Virginia

Department of Environmental Protection

hereby certifies

Reliance Laboratories, Inc. Martinsburg

to perform analyses for the purpose of determining compliance with the requirements of the state's natural resources and environmental programs when required by an order issued by the agency or required by statute.

This certificate does not guarantee the validity of data generated, but indicates the methodology, equipment, quality control procedures, records, and proficiency of the laboratory have been examined and found to be acceptable.

This certificate is the property of the Department of Environmental Protection

181

Certificate number

February 17, 2006

Date Issued

Certification originally granted 5/12/1997

*Samuel S. Amell*

Quality Assurance Officer



*David M. Young*

Director





COPY

1-17-12  
JWJ

MASTER FILE

Attachment I

WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER AND WASTE MANAGEMENT

List of Certified Parameters  
for

**RELIANCE LABORATORIES - MARTINSBURG**  
**MARTINSBURG, WEST VIRGINIA**

PARAMETERS CERTIFIED

NONPOTABLE WATER INORGANIC NONMETALS

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Acidity	SM19th2310 B(4a)	Titrimetric
Alkalinity	SM19th2320 B	Titrimetric
Ammonia	SM19th4500-NH3 B	Distillation
Ammonia	SM19th4500-NH3 C	Titrimetric
Chloride	EPA300.0 Rev 2.1-1993	IC
Chloride	SM19th4500-Cl-B	Titrimetric
Chlorine, Residual	SM19th4500-Cl G	Spectrophotometric
Chromium, Hexavalent	SM19th3500-Cr D	Spectrophotometric
Conductance, Specific	EPA120.1 Rev 1982	Probe
Fluoride	EPA300.0 Rev 2.1-1993	IC
Hardness, Total	SM19th2340 C	Titrimetric
Nitrate	EPA300.0 Rev 2.1-1993	IC
Nitrate-Nitrite	EPA300.0 Rev 2.1-1993	Calculation
Nitrite	EPA300.0 Rev 2.1-1993	IC
Nitrite	SM19th4500-NO2 B	Spectrophotometric
Nitrogen, Total Kjeldahl (TKN)	SM19th4500-Norg B	Digestion
Nitrogen, Total Kjeldahl (TKN)	SM19th4500-NH3 B	Distillation
Nitrogen, Total Kjeldahl (TKN)	SM19th4500-NH3 C	Titrimetric
Oil & Grease	EPA1664 A	Gravimetric
Oxygen Demand, Biochemical (BOD)	SM19th5210 B	Probe
Oxygen, Dissolved	SM19th4500-O G	Probe
pH (Hydrogen Ion)	SM19th4500-H B	Electrode
Phosphorus, Total	SM19th4500-P B.5	Digestion
Phosphorus, Total	SM19th4500-P E	Spectrophotometric
Solids, Dissolved	SM19th2540 C	Gravimetric
Solids, Settleable	SM19th2540 F	Imhoff
Solids, Suspended	SM19th2540 D	Gravimetric
Solids, Total	SM19th2540 B	Gravimetric
Sulfate	EPA300.0 Rev 2.1-1993	IC
Sulfate	ASTM D516-02	Turbidimetric
Sulfide	SM19th4500-S F	Titrimetric
Temperature	SM19th2550 B	Thermometric
Turbidity	EPA180.1 Rev 2.0-1993	Turbidimetric

NONPOTABLE WATER MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Coliform, Fecal (MF)	SM19th9222 D	Membrane Filter

SOLID AND CHEMICAL INORGANIC NONMETALS

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Ammonia	SM19th4500-NH3 B	Distillation
Ammonia	SM19th4500-NH3 C	Titrimetric
Nitrogen, Total Kjeldahl (TKN)	SM19th4500-Norg B	Digestion
Nitrogen, Total Kjeldahl (TKN)	SM19th4500-NH3 B	Distillation
Nitrogen, Total Kjeldahl (TKN)	SM19th4500-NH3 C	Titrimetric
pH (Hydrogen Ion)	SW9045D	Electrode
Phosphorus, Total	SM19th4500-P B.5	Digestion
Phosphorus, Total	SM19th4500-P E	Spectrophotometric
Solids, Total, Fixed, & Volatile	SM19th2540 G	Gravimetric

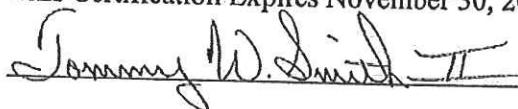
SOLID AND CHEMICAL MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Coliform, Fecal (MF)	SM19th9222 D	Membrane Filter

This laboratory may test **ONLY** for those environmental parameters listed above for compliance reporting purposes. All testing must be by the test method cited in the current application for certification.

This Certification Expires November 30, 2012.

Certificate No 181

 Issued on January 17, 2012

Tommy W. Smith II  
Quality Assurance Officer