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	PAGE
DEP14731	1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
CHUCK BOWMAN
304-558-2157

VENDOR
*709045224 304-842-5285
RELIANCE LABORATORIES INC
PO BOX 4657
BENEDUM AIRPORT INDUSTRIAL PK
BRIDGEPORT WV 26330

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B	FREIGHT TERMS
01/13/2010				

BID OPENING DATE: 02/04/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001		EA		961-48		

FIELD TESTING SERVICES

THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING QUOTATIONS FROM QUALIFIED VENDORS TO PROVIDE THE AGENCY WITH ORGANIC ANALYSIS OF WATER AND SOIL PER THE FOLLOWING SPECIFICATIONS, SCOPE OF WORK, TERMS & CONDITIONS, BID REQUIREMENTS, AND THE ATTACHED BID SCHEDULE.

EXHIBIT 3

LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE UPON 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 "REASONABL 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)

RECEIVED
2010 FEB -4 AM 11:00
WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE

TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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

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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 SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.

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.)

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.

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.

BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES

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FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.

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 AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM.

REV. 05/26/2009

NOTICE

A SIGNED BID MUST BE SUBMITTED TO:

DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
BUILDING 15
2019 WASHINGTON STREET, EAST
CHARLESTON, WV 25305-0130

THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:

SEALED BID

BUYER: CB-23

RFQ. NO.: DEP14731

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE

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LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
	BID OPENING DATE:			02/04/2010		
	BID OPENING TIME:			1:30 PM		
	PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:					
	----------			304-842-5351	----------	
	CONTACT PERSON (PLEASE PRINT CLEARLY):					
	----------			WILLIAM KIRK	----------	
	****** THIS IS THE END OF RFQ DEP14731 ****** TOTAL:					

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

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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, and (3) analysis of reference samples at 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 a 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.

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.

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 calibration 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.

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

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 Date 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 Date Deliverable

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		

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	
α -BHC	0.3 ug/l	
β -BHC	0.3 ug/l	
δ -BHC	0.3 ug/l	
γ -BHC	0.3 ug/l	
Chlorodane	0.5 ug/l	

Method 608, Organochlorine Pesticides and PCBs continued

	MDLs	SOLID
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	
Endosulfan sulfate	0.5 ug/l	
Eldrin	0.5 ug/l	
Endrin aldehyde	0.5 ug/l	
Heptacholr	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-I260	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		

Method 612, Chlorinated Hydrocarbons	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-Tetrachlorldibenzo-P-dioxin	MDLs	SOLID
2,3,7,8-Tetrachlorldibenzo-P-dioxin		

Method 1613 Tetra-through Octa-Chlorinated Dibenzo-P-dioxins (CDDs) and Dibenzofurans (CDFs)

Method 624, Purgeables	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	

Method 624, Purgeables continued

	MDLs	SOLID
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	
l,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	
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		

Method 625, Base/Neutrals Extractables continued

	MDLs	SOLID
4,4'-DDT		
Dibenzo(a,h) anthracene	20 ug/l	
Di-n-butlyphthalate	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		
Fluoranthene	10 ug/l	
Fluorene	10 ug/l	
Heptachlor		
Heptchlor 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-dintrophenol		
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	
t-Butyl alcohol	10 ug/l	
2-Chloroacylonitrile	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	

METHOD 8015B continued

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

METHOD 8041 Phenols by GC continued

	MDLs	SOLID
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,1)pyrene		
Fluoranthene		
Fluorene		
Indo(1,2,3-cd)pyrene		
3-Methhylcholanthrene		
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	
α-Hexachlorocyclohexane (α-BHC)	10ug/l	
β-Hexachlorocyclohexane (β-BHC)	10ug/l	
γ-Hexachlorocyclohexane (γ-BHC)	10ug/l	
δ-Hexachlorocyclohexane (δ-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		
Aciflouorfen		
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-Dicholorbenzene	10 ug/l	
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-Dicholopropene	10 ug/l	

METHOD 8260 continued

	MDLs	SOLID
trans-1,3-Dicholoropropene	10 ug/l	
1,2,3,4-Dipoxybutane	10 ug/l	
Diethyl ether	10 ug/l	
1,4-Difouorobenzene	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	
Methlylene 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	
β-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	

METHOD 8260 continued

	MDLs	SOLID
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	
Benzyl alcohol	20	
Bis(2-chloroethoxy)methane	10	
Bis(2-chloroethyl)ether	10	
Bis(2-chloroisoproply) ether	10	
Bis(2-ethylhexyl)phthalate		
4-Bromophenyl phenyl ether	10	
Bromoxynil	10	
Butyl Benzyl phthalate	10	
Captafol	20	

Method 8270 continued

	MDLs	SOLID
Captan	50	
Carbaryl	10	
Carbofuran	10	
Carbophenothion	10	
Chlordane		
Cholrfenvinphos	20	
4-Choloraniline	20	
Chlorobenzilate	10	
5-Chloro-2-methlyaniline	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-Cholorphenyl 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,j)acridine	10	
Dibenz(a,h)anthracene	10	
Dibenzofuran	10	
Dibenzo(a,e)pyrene	10	
1,2-Dibromo-3-chloropropane		
Di-n-butyl phthalate	10	
Diclone		
1,2-Dichlorobenzene	10	
1,3-Dichlorobenzene	10	
1,4-Dichlorobenzene	10	
3,3'-Dichlorobenzidine	20	
2,4-Dichlorophenol	10	
2,6-Dichlorophenol	10	
Dichlorovos	10	
Dicrotophos	10	
Diethyl phathalate	10	
Diethyelstilbestrol	20	
Dimethoate	20	
3,3'-Dimethoxybenzidine	100	
Dimethylaminoazobenzene	10	
7,12-Dimethylbenz(a)anthracene	10	

Method 8270 continued

	MDLs	SOLID
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	
Isosafrole	10	
Kepone	20	
Leptophos	10	
Mestranol	20	
Methapyrilene	100	
3-Methylcholanthrene	10	
Methyl methanesulfonate	10	
2-Methylnaphthalene	10	
2-Methlyphenol	10	
3-Methylphenol	10	
4-Methylphenol	10	

Method 8270 continued

	MDLs	SOLID
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 pyrophosphoramide	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	
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	

Method 8270 continued

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

TCLP RCRA Pesticides and Herbicides EPA 1311/SW846	PQL µg/l	SOLID
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	

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

TCLP Volatile Organics 8260 with 1311 extraction	MDLs	SOLID
Benzene	50.0	
Carbon Tetrachloride	50.0	
Chlorobenzene	50.0	
Chlordoform	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	

TCLP Semi-Volatile Organics 8720 with 1311 extraction	MDLs	SOLID
o-cresol	20.0	
m,p-cresol	40.0	
2,4-dinitrotoluene	10.0	
hexacholorobenzene	10.0	
hexachloro-1,3-butidiene	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
Ignitablilty	Corrosivity	
Total Releasable Sulfide as H2S	5.0	
Total Releasable Cyanide as HCN	1.0	

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	

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

PARAMETER	METHOD	MDLs	SOLID
1,2-Dichloropropane	8260	1.0	
cis-1,3-Dichloropropene	8260	1.0	
trans-1,3-Dichloropropene	8260	1.0	
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

DEP14731

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.

TEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1.0		**Method 601, Purgeable Halocarbons - See page 7**		
1.1	12	Single compound analyis cost		$
1.2	12	Up to 10 componds 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 8**		
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 componds 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 componds then complete list cost applies		$
8.3	15	Complete list cost		$

DEP14731 (cont.)

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	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 componds then complete list cost applies		$
10.3	20	Complete list cost		$
11.0		**Method 611, Halocthers - See page 10**		
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 Tetrachlorldibenzo-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 componds 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 componds then complete list cost applies		$
16.3	12	Complete list cost		$
17.0		**Method 625, Acid Extractables - See page 13**		
17.1	12	Single compound analysis cost		$
17.2	12	Up to 10 componds then complete list cost applies		$
17.3	12	Complete list cost		$
18.0		**Method 8015B - See page 13-14**		
18.1	20	Single compound analysis cost		$
18.2	20	Up to 10 componds then complete list cost applies		$
18.3	20	Complete list cost		$
19.0		**Method 8041, Phenols by GC - See page 14-15**		
19.1	12	Single compound analysis cost		$
19.2	12	Up to 10 componds then complete list cost applies		$
19.3	12	Complete list cost		$

DEP14731 (cont.)

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
20.0		**Method 8100, Polynuclear Aromatic Hydrocarbons - See page 15**		
20.1	20	Single compound analysis cost		$
20.2	20	Up to 10 componds then complete list cost applies		$
20.3	20	Complete list cost		$
21.0		**Method 8121, Chlorinated Hydrocarbons - See page 16**		
21.1	12	Single compound analysis cost		$
21.2	12	Up to 10 componds then complete list cost applies		$
21.3	12	Complete list cost		$
22.0		**Method 8151A, Chlorinated Herbicides - See page 16**		
22.1	12	Single compound analysis cost		$
22.2	12	Up to 10 componds then complete list cost applies		$
22.3		Complete list cost		$
23.0		**Method 8260, - See page 17 thru 19**		
23.1	15	Search for additional tentatively identified compounds	95.00	$1,425
23.2	15	Single compound analysis cost	110.00	$1,650
23.3	15	Up to 10 componds then complete list cost applies	110.00	$1,650
23.4	15	Complete list cost	140.00	$2,100
23.5	15	GC-MS Scan per TIC, report TICS that are detected at 10% of the area of the nearest internal standard	140.00	$2,100
24.0		**Method 8270, - See page 19 thru 23**		
24.1	15	Search for additional tentatively identified compounds		$
24.2	15	Single compound analysis cost		$
24.3	15	Up to 10 componds then complete list cost applies		$
24.4	15	Complete list cost		$
24.5	15	GC-MS Scan per TIC, report TICS that are detected at 10% of the area of the nearest internal standard		$
25.0		**Method 8310, Polynuclear Aromatic Hydrocarbons by HPLC - See page 23**		
25.1	15	Single compound analysis cost		$
25.2	15	Up to 10 componds then complete list cost applies		$
25.3	15	Complete list cost		$
26.0		**TCLP RCRA Pesticides & Herbicides EPA 1311/SW846 - See page 24**		
26.1	12	Single compound analysis cost		$
26.2	12	Complete list cost		$
27.0		**TCLP RCRA Metals EPA 1311/SW846 - See page 24**		
27.1	24	Single compound analysis cost	90.00	$2,160
27.2	24	Complete list cost	185.00	$4,440
28.0		**TCLP Volatile Organics 8260 with 1311 extraction - See page 24**		
28.1	20	Single compound analysis cost	170.00	$3,400
28.2	20	Up to 10 componds then complete list cost applies	170.00	$3,400
28.3	20	Complete list cost	170.00	$3,400

DEP14731 (cont.)

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
29.0		**TCLP Semi-Volatile Organics 8720 with 1311 extraction - See page 25**		
29.1	12	Single compound analysis cost		$
29.2	12	Up to 10 componds then complete list cost applies		$
29.3	12	Complete list cost		$
30.0		**RCRA General Chemistry - See page 25**		
30.1	12	Single compound analysis cost	75.00	$ 900
30.2	12	Complete list cost	170.00	$ 2,040
31.0		**Solid Waste Phase 1 Organics (Title 33 Series1) Cost (Groundwater only) per set: - See page 25-26**		
31.1	12	Search for additional tentatively identified compounds		$
31.2	12	Single compound analysis cost		$
31.3	12	Up to 10 componds then complete list cost applies		$
31.4	12	Total cost Phase I 8260 complete list	165.00	$ 1,980
32.0		**Priority Pollutants by SW-846 Protocol Analysis**		
32.1	12	Priority Pollutant Volaties	165.00	$ 1,980
32.2	12	Priority Pollutant Semi-Volaties		$
32.3	12	Priority Pollutant Pesticides/PCBs		$
32.4	12	Priority Pollutant Inorganics	165.00	$ 1,980
32.5	12	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodlbenzo-p-Dioxin) quoted at time of analysis		$
33.0		**Total Toxic Organics (TTO) by SW-846 Protocol Analysis**		
33.1	12	TTO Volatiles		$
33.2	12	TTO Semi-Volatiles		$
33.3	12	TTO Pesticides/PCBs		$
33.4	12	TTO Inorganics		$
33.5	12	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodlbenzo-p-Dioxin) quoted at time of analysis		$
34.0		**Target Compounds List (TCL) Analysis**		
34.1	12	TCL Volatiles		$
34.2	12	TCL Semi-Volatiles		$
34.3	12	TCL Pesticides/PCBs		$
34.4	12	TCL Inorganics		$
34.5	12	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodlbenzo-p-Dioxin) quoted at time of analysis		$
35.0		**Hazardous Waste Characterizations Analysis**		
35.1	12	Reacitivity	150.00	$1,800
35.2	12	Ignitability	60.00	$720
35.3	12	Corrosivity (pH)	20.00	$240
35.4	12	Corrosivity (NACE)		$
35.5	12	BTU	50.00	$600
35.6	12	TCLP	425.00	$5,100
35.7	12	Total Package Cost		$

DEP14731 (cont.)

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
36.0		**TCLP Extractions Analysis**		
36.1	15	Percent Solids (metals, semi-volatiles, volatiles, pesticides, herbicides)	20.00	$ 300
36.2	15	Characterization Extraction (metals, semi-volaties, pesticides, herbicides)	85.00	$ 1,275
36.3	15	Zero Headspace Extraction (violatiles)	85.00	$ 1,275
37.0		**TCLP Analysis - Analysis**		
37.1	20	TCLP Metals quantified to 10% of TCLP levels	185.00	$ 3,700
37.2	20	TCLP-Mercury	100.00	$ 2,000
37.3	20	TCLP-Individual Metal Excl. Hg	95.00	$ 1,900
37.4	20	Additional Metals (Flame, Furnace, ICP, ICP-MS)	15.00	$ 300
37.5	20	Analysis by Standard Method of Addition (per metal)	30.00	$ 600
37.6	20	TCLP Pb characterization (includes extraction fees)	15.00	$ 300
37.7	20	TCLP Volatile Organics	170.00	$ 3,400
37.8	20	TCLP Semi-Volatile Organics		$
37.9	20	TCLP Persticides/Herbicides		$
37.10	20	TCLP Pesticides		$
37.11	20	TCLP Herbicides		$
37.12	20	Full TCLP	425.00	$ 8,500
		NOTE: Multiphasic samples will be subject to additional extraction and analytical fee		
38.0	12	**Phase II Groundwater Parameters**		$
39.0	12	**Volatiles by Method 8260 - Groundwater II**	165.00	$ 1,980
40.0	12	**Volatiles by Method 8270 - Groundwater II**		$
41.0	12	**Encore Sampling Kits**		$
42.0	12	**Terra Core Sampling Kits**		$
43.0	24	***Charleston Office, 601 57th St., SE, Charleston, WV 25304**		$
44.0	24	***Teays Office, P.O. Box 662, Teays, WV 25596**		$
45.0	24	***Fairmont Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554**	25.00	$
46.0	24	***Romney Office, HC 63, Box 2545, Romney, WV 26757**	85.00	$
47.0	24	***French Creek Office, P.O. Box 38, French Creek, WV 26218**	55.00	$
48.0	24	***Wheeling Office, 131A Peninsula St., Wheeling, WV 26003**		$
49.0	24	***Parkersburg Office, 2311 Ohio Ave., Parkersburg, WV 26010**		$
50.0	24	***Oak Hill Office, 116 Industrial Dr., Oak Hill, WV 25901**		$
51.0	10	**24 Hour Turn-Around Rush Orders**** Standard Price	x2	$

DEP14731 (cont.)

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
52.0	10	**48 Hour Turn-Around Rush Orders**** Standard Price	x1.75	$
53.0	10	**72 Hour Turn Around Rush Orders**** Standard Price	x1.5	$
		TOTAL		$

*__Collection of Samples__ - Cost Associated with collection from DEP Offices

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.

PLEASE NOTE: The page numbers referenced with each line item on the bid schedule pertain to the page numbers on the top left hand side of the specifications and NOT the page numbers noted on the top right of each page.

Rev. 09/08

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:**

XX 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:**

XX 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, INC. **Signed:** [signature]

Date: FEB 2, 2010 **Title:** DIRECTOR

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

RFQ No. DEP14731

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: _____ Date: 2/3/2010

State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 3rd day of February, 2010

My Commission expires 08/29/2015, 20___.

AFFIX SEAL HERE

NOTARY PUBLIC _____

OFFICIAL SEAL
SARAH SIMMONS
NOTARY PUBLIC
STATE OF WEST VIRGINIA
1226 West Main St.
Bridgeport, WV 26330
My Commission Expires Aug. 29, 2015

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

LIMITED CHEMISTRY: Sulfate(ASTM D516-02), Specific Conductance(EPA120.1 Rev-1982), Turbidity(EPA180.1 Rev 2.0-1993), Phenolics, Total(EPA420.1 Rev 1978), Acidity, Total(SM19th2310 B), Alkalinity(SM19th2320 B), Hardness, Total(SM19th2340 C), Temperature(SM19th2550 B), Chlorine, Residual(SM19th4500-Cl G), Chlorine, Residual (Field Test)(SM19th4500-Cl G), Cyanide, Total(SM19th4500-CN C + -SM19th4500-CN D), Cyanide, Total(EPA335.4 Rev 1.0-1993), pH(SM19th4500-H B), pH(Field Test)(SM19th4500-H B), Oxygen, Dissolved(SM19th4500-O G), Oxygen, Dissolved(Field Test)(SM19th4500-O G), Phosphorus, Total(SM19th4500-P B.5 + SM19th4500-P E), Sulfide(SM19th4500-S2 F)

Nitrogen: Ammonia(SM19th4500NH3 B + SM19th4500NH3 C), Kjeldahl, Total, (TKN)(SM19th4500Norg B + SM19th4500NH3 C)

Demand: Oxygen, Chemical, (COD)(EPA410.4 Rev 2.0-1993), Oxygen, Biochemical, (BOD)(SM19th5210 B), Organic Carbon, Total, (TOC)(SM19th5310 C)

Solids: Volatile(EPA160.4), Total(SM19th2540 B), Dissolved(SM19th2540 C), Suspended(SM19th2540 D), Settleable(SM19th2540 F)

IC:

EPA300.0 Rev 2.1-1993 - Chloride, Fluoride, Nitrate, Nitrite, Sulfate
EPA300.1 Rev 1.0-1997 - Chloride, Fluoride, Nitrate, Nitrite

METALS:

ICP

EPA200.7 Rev 4.4-1994 - Aluminum, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Tin, Vanadium, Zinc

SW6010B - Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc

Miscellaneous: Chromium, Hexavalent(SM19th3500-Cr D)

CVAA: Mercury(EPA245.1 Rev 3.0-1994), Mercury(SW7471A)

ICP/MS

EPA200.8 Rev 5.4-1994 - Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Tin, Titanium, Vanadium, Zinc

MICROBIOLOGY: Heterotrophic Plate Count(SM19th9215 B)

MF: Coliform, Fecal(SM19th9222 D)

MISCELLANEOUS: Surfactants, (MBAS)(SM19th5540 C)

ORGANICS:

GC/MS: Volatile Organic Compounds(SW8260B)

GC: Halogenated & Aromatic Volatiles(SW8021B), Total Petroleum Hydrocarbons(SW8015B)

HAZARDOUS WASTE

Characteristics: Reactivity, Cyanide(SW Chapter 7.3.3.2), Reactivity, Sulfide(SW Chapter 7.3.4.2), Ignitability(SW1010A), Corrosivity(SW9040C), Paint Filter Test(SW9095B), Cyanide, Reactive(SW9012A), Sulfide, Reactive(SW9030B), Corrosivity, pH, Solid & Waste(SW9045D)

Extractions: Ultrasonic(SW3550B), Purge & Trap For Aqueous Sample(SW5030B), Cyanide (Solids & Oils)(SW9013)

Toxicity: TCLP (Metals)(SW1311)

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, 2010. Certificate No 158

Issued on April 30, 2009

Daniel T. Arnold
Program Manager

Attachment I

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

Annual Certified Parameter List

for

RELIANCE LABORATORIES - MARTINSBURG

MARTINSBURG, WEST VIRGINIA

PARAMETERS CERTIFIED

LIMITED CHEMISTRY: Sulfate(ASTM D516-90,02), Specific Conductance(EPA120.1 Rev-1982), Oil & Grease(EPA1664 A), Turbidity(EPA180.1 Rev 2.0-1993), Acidity, Hot, Total(SM19th2310 B(4a)), Alkalinity(SM19th2320 B), Hardness, Total(SM19th2340 C), Temperature(SM19th2550 B), Chlorine, Residual(SM19th4500-Cl G), Chloride(SM19th4500-Cl-B), pH(SM19th4500-H B), Oxygen, Dissolved(SM19th4500-O G), Phosphorus, Total(SM19th4500-P B.5 + SM19th4500-P E)

Demand: Oxygen, Chemical, (COD)(EPA410.4 Rev 2.0-1993), Oxygen, Biochemical, (BOD)(SM19th5210 B)

Nitrogen: Ammonia(SM19th4500NH3 B + SM19th4500NH3 C), Nitrite(SM19th4500NO2 B), Nitrate(SM19th4500NO3 D), Kjeldahl, Total, (TKN)(SM19th4500Norg B + SM19th4500NH3 C)

Solids: Total(SM19th2540 B), Dissolved(SM19th2540 C), Suspended(SM19th2540 D), Settleable(SM19th2540 F)

IC

EPA300.0 Rev 2.1-1993 - Chloride, Fluoride, Nitrate, Nitrate-Nitrite, Nitrite, Sulfate

METALS

Miscellaneous: Chromium, Hexavalent(SM19th3500-Cr D)

MICROBIOLOGY

MF: Coliform, Fecal(SM19th9222 D)

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, 2010. Certificate No 181

Tommy W. Smith II Issued on December 10, 2009

Tommy W. Smith II
Quality Assurance Officer

WILLIAM FAY KIRK, JR.

BUSINESS:

Post Office Box 4657
Benedum Airport Industrial Park
Bridgeport, WV 26330-0625
reliancelabs@westvirginia.net
304-842-5285/FAX 304-842-5351

RESIDENCE:

Post Office Box 615
Bridgeport, WV 26330
(304) 622-3211

EDUCATION

FAIRMONT STATE COLLEGE
Fairmont, West Virginia 26554
September 1965 - May 1969
Bachelor of Science - Biology

WEST VIRGINIA UNIVERSITY
Morgantown, West Virginia 26505
September 1970 - May 1973
Master of Arts - Biology (Specialization
Environmental Biology, Aquatic Chemistry)

WEST VIRGINIA UNIVERSITY, SCH ENGINEERING (CEU)
MICHIGAN STATE UNIVERSITY, SCH ENGINEERING (CEU)
UNIVERSITY OF KENTUCKY, SCH ENGINEERING (CEU)

HONORS AND ACTIVITIES: President, Beta Beta Beta, National Biological Honorary; Graduate Teaching Assistant and Departmental Instructor, Biology Department, West Virginia University; Recipient of National Science Foundation Fellowship.

EMPLOYMENT
November 1977-
Present

RELIANCE LABORATORIES, INC. (Primary)
Benedum Airport Industrial Park
Post Office Box 4657
Bridgeport, West Virginia 26330-4657

3790 Hedgesville Road, Suite I (Secondary)
Hedgesville, West Virginia 25427

President/Director-Coordinate all aspects of the laboratories' operation: Corporate management, Purchasing, Technical Development, Quality Control, Marketing, Client Relations and Contracting.

February 1984-
January 1987

ENVIRONMENTAL TREATMENT SERVICE, INC.
401 North Ohio Avenue
Clarksburg, West Virginia 26301
Founder/Vice-President/Technical Director for development of treatment techniques for oil and gas well production fluids.

June 1973 -
June 1979

CLARKSBURG WATER BOARD
1001 South Chestnut Street
Clarksburg, West Virginia 26302
Plant Manager-Coordinate Plant Operation (Water Treatment/Finished Water Distribution, Laboratory Function, Maintain Water Storage Facilities and Raw Water Impoundments.

June 1973 -
June 1979

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL WEATHER SERVICE
River District Office
Pittsburgh, Pennsylvania
Weather Observer-Provide climatological data to regional office for weather forecasting and record keeping.

June 1972 -
June 1973

CLARKSBURG WATER BOARD
1001 South Chestnut Street
Clarksburg, West Virginia 26302
Chief Chemist-Supervise and coordinate testing performed by the in-house water quality laboratory.

EXPERTISE

Independent Environmental Consultant offering prior experience:

* Preparation of PhaseI & PhaseII Environmental Audits for regulatory purposes,
* Development of Hydrological Investigations & Water Quality Surveys for regulatory purposes,
* Independent Environmental Consultation to Oil & Gas, Coal & Hard Rock Mining, State & Federal Government, Heavy Industry, Agriculture and Business Community.
* Expert Witness For Environmental Litigation
* Instructor at the West Virginia Environmental Training Center
* Certified: Asbestos Inspector, State of West Virginia #A1001233
* Certified: Hazardous Waste and Emergency Response, 40 Hr.

AFFILIATIONS PAST OR PRESENT

American Water Works Association
Independent Oil & Gas Association West Virginia
West Virginia Surface Mining & Reclamation Association
American Council of Independent Laboratories
West Virginia Rural Water Association
American Chemical Society

Tenley M. Plemons (MILLER)

plemonstm@yahoo.com
1417 Echo Street
Martinsburg, WV 25401
(304) 677-3627

EXPERIENCE

Reliance Laboratories, Inc. Bridgeport, WV
Lab Manager May 2002 to Present

- Development of Standard Operations Manual
- Development of Quality Control Manual
- Coordination of daily laboratory analysis and quality control
- Hiring and training laboratory personnel
- Performing quarterly safety audits and quality control audits
- Verification of raw data, calculations, and results
- Customer relations with new and existing clients

Reliance Laboratories, Inc. Bridgeport, WV
Lab Technician May 2000 to May 2002

- Performed environmental laboratory tests and quality control
- Development of Standard Operating Procedures for methods
- Trained new employees to perform laboratory tests

West Virginia Wesleyan College Chemistry Department
Chemistry Lab Assistant August 1999 to May 2002

- Preparation of lab experiments, chemicals, and equipment
- Assisted students during lab procedures and answered questions
- Graded lab reports, data sheets, questions

EDUCATION

West Virginia Wesleyan College Buckhannon, WV
May 2002 Bachelor of Science
Major: Chemistry Minor: Business Administration

HONORS

Freshman Chemistry Student of the Year Award
ACS Junior Chemistry Student of the Year Award
Senior Chemistry Student of the Year Award
Who's Who Among American College Students
Officer, Secretary: Benzene Ring Chemistry Association