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
DEP15037	1

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

VENDOR
*331142322 304-255-4821
ANALABS INC
PO BOX 1235

CRAB ORCHARD WV 25827

SHIP TO
ENVIRONMENTAL PROTECTION
DEPARTMENT OF
OFFICE OF WATER RESOURCES
601 57TH STREET SE
CHARLESTON, WV
25304 304-926-0499

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
10/27/2010				

BID OPENING DATE: 11/17/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT

********** ADDENDUM NO. 5 **********

ADDENDUM ISSUED FOR THE WATER/SOIL TESTING CONTRACT TO DISTRIBUTE THE REVISED SPECIFICATIONS, APPENDIX A, APPENDIX B, AND THE NEW BID SCHEDULE PER THE ATTACHED.

BID OPENING DATE AND TIME ARE EXTENDED FROM 10/28/10 TO 11/17/2010 AT 1:30 PM.

********** NO OTHER CHANGES **********

0001	1	LS		961-48		

GENERAL ANALYSIS OF WATER AND SOIL FIELD TESTING

RECEIVED
2010 NOV 17 AM 10:10
WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE Annissa Reiger TELEPHONE 304-255-4821 DATE 11-16-10

TITLE Lab Director FEIN 55-0670153 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.htm** 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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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.
Awards will be made to all laboratories possessing a current valid West Virginia DEP Laboratory Quality Assurance certification for the appropriate categories of parameters and meeting the qualifications listed below. Because of the short holding times for certain parameters and the desire to avoid multiple labs analyzing samples from individual sites, work will be distributed based on proximity of lab to sample collection location, overall costs for parameters being requested, and the ability of labs to analyze all requested parameters (i.e., certified for all requested parameters). Costs to pickup samples from DEP personnel will also be taken into consideration.

Bidding should be done for each analyte within a specific method. Prices should also be given for liquid and solid samples. If vendor is certified for more than one method per parameter, include method#, MDL and cost. Bids must be submitted exactly as per attached bid sheet.

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. The laboratory must be certified by the Water Resources Quality Assurance Program. This includes any laboratories to which analyses are subcontracted.

2. Be accessible by telephone **24 hours per day, 7 days per week.**

3. Capable of attending and providing expert testimony in legal proceeding, upon request.

4. **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

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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 or is to occur and from which DEP office or other location the sample can be obtained. The vendor shall be notified when the sample was taken (time/date) for circumstances when holding times for parameters to be analyzed are less than seven (7) days. The vendor shall indicate the time the sample was obtained from the pickup location 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.

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 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. In the event the method is not specified, the laboratory shall contact the sampler for verification of the method to be used.

Vendors must complete the column in Appendix A with the method # associated with methods that have current MDLs that meet or are below the maximum MDL listed for each parameter. A single analytical method for some parameters isn't adequate, for example, a sample of discharge water from a sewage treatment plant need not have the same precision as a sample from relatively clean oligotrophic waters. If vendors are certified for more than 2 methods for a parameter, the vendor can provide bids and associated information on a separate page.

Vendors must provide a single bid for the cost of the analysis and reporting for the Phase 1 Detection Monitoring constituent lists described in the bid sheet.

Results of analytical tests must be submitted electronically in a Microsoft Excel (or compatible) format. Where provided, the vendor must include the WQ ID number with the data submitted. This electronic data submittal requirement may be waived in some circumstances where the number of samples and/or number of analytical tests requested is low. Waiver must be requested prior to data submittal

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 Division. 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 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.

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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.

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. The DEP reserves the right to conduct unannounced examinations of the laboratory's records to assure compliance.

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.

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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 subcontractors 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, however this provision does not prohibit the DEP from directly contacting subcontractors.

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.

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MISCELLANEOUS PROVISIONS

1. The DEP will provide all sample containers and field preservatives.

2. 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.

3. 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.

4. 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.

5. 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.

6. The laboratory will provide blank water to the DEP, at no charge, upon request.

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Appendix A - Method

Item No.	Parameter	Associated MDL*	Method #	Alt Method #	Alt MDL
1	pH	N/A	SM4500H+B		
2	Hot Acidity	5 mg/L	SM2310B		
3	Alkalinity	5 mg/L	EPA 310.2	SM2320B	5mg/L
4	Hardness	1 mg/L	SM2340B		
5	Specific Conductance	3 µS/cm^2	SM2510B		
6	Sulfate	5 mg/L	EPA 300.0		
7	Sulfide	1 mg/L			
8	Turbidity	1 NTU (higher OK if if highly turbid)	EPA 180.1		
9	Bromide	1 mg/L			
10	Chloride	5 mg/L	SM4500Cl-E		
11	Fluoride	0.2 mg/L	SM4500F-C		
12	Fecal Coliform (MF)	4 col/100 ml	SM9222D		
13	Fecal Coliform (MPN)	4 col/100 ml			
14	Total Solids	1 mg/L	SM2540B		
15	Dissolved Solids (TDS)	1 mg/L	SM2540C		
16	Suspended Solids (TSS)	3 mg/L	SM2540D		
17	Settleable Solids	0.5 mg/L	SM2540F		
18	Volatile Solids	1 mg/L	SM2540E		
19	Percent Solids	1%	SM2540G		
20	Kjeldahl Nitrogen	0.5 mg/L	EPA 351.2		
20A	Kjeldahl Nitrogen (alt. method)	0.1 mg/L			
21	Ammonia Nitrogen	0.1 mg/L	EPA 350.1		
22	Organic Nitrogen	0.5 mg/L	SM4500N		
23	Nitrate-Nitrogen	0.05 mg/L	EPA 335.2		
24	Nitrite-Nitrogen	0.05 mg/L	EPA 335.2		
25	Nitrite-Nitrate	0.05 mg/L	EPA 335.2		
25A	Nitrite-Nitrate (alt method)	0.01 mg/L			
26	Total Phosphorus	0.02 mg/L	EPA 365.1		
26A	Total Phosphorus (alt. method)	0.005 mg/L			
27	Orthophosphate	0.01 mg/L	EPA 365.1		
28	Total Phosphate	0.01 mg/L	EPA 365.1		

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Appendix A - Method (Continued)

Item No.	Parameter	Associated MDL	Method #	Alt Method #	Alt MDL
29	BOD	1 mg/L	SM5210B		
30	BOD-carbonaceous	1 mg/L			
31	COD	0.5 mg/L	SM5220D		
32	TOC	1 mg/L			
33	MBAS	0.05 mg/L	SM5540C		
34	Phenolics	0.01 mg/L	EPA 420.4		
35	Total Cyanide	0.005 mg/L	EPA 335.4		
36	Hexavalent Chromium	0.005 mg/L	SM3500CrD		
37	Oil-Grease	0.1 mg/L	EPA1664A		
38	Chlorophyll A (Standard Methods)	0.5 mg/L			
39	Color (APHA)	5 color units			
40	Color (ADMI)	10 ADMI value			
41	Cyanide, Amenable (40 CSR 136)	0.005 mg/L			
42	Cyanide, Free (ASTM)	0.01 mg/L			
43	Mineral Acidity (Standard Methods)	1 mg/L	SM2310B		
44	Total Acidity (Standard Methods)	1 mg/L	SM2310B		
45	Tot Petroleum Hydrocarbons GRO/DRO (WVTPH/8015B)	0.5 mg/L			
46	Fecal Streptococci (Standard Methods)	4 col/100 mL			
47	Escherichia Coli (Numeric Result)	1 col/100 mL			
48	Bicarbonate (Standard Methods)	1 mg/L	SM4500		
49	Ferrous Iron(Standard Methods)	0.05 mg/L			
50	Unionized Ammonia (46 CSR 1)	0.1 mg/L	EPA 350.1		
51	Dissolved Organic Carbon (Standard Methods)	1 mg/L			
52	Particulate Organic Carbon (Standard Methods)	1 mg/L			

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Appendix A - Method (Continued)

Metals (Dissolved or Total) (dissolved metals will be field filtered)

Item No.	Parameter	Associated MDL (mg/L)	Method #	Alt Method #	Alt MDL
53	Aluminum	0.005	EPA6020A		
54	Antimony	0.005	EPA6020A		
55	Arsenic	0.005	EPA6020A		
56	Barium	0.005	EPA6020A		
57	Beryllium	0.001	EPA6020A		
58	Boron	0.02	EPA6020A		
59	Cadmium	0.0002	EPA6020A		
60	Calcium	0.02	EPA6020A		
61	Chromium	0.001	EPA6020A		
62	Cobalt	0.001	EPA6020A		
63	Copper	0.001	EPA6020A		
64	Iron	0.01	EPA6020A		
65	Lead	0.001	EPA6020A		
66	Magnesium	0.05	EPA6020A		
67	Manganese	0.005	EPA6020A		
68	Mercury	0.5 (ng/L)		Method 1631-E	
68A	Mercury (alt. method)	0.0001	EPA245.1		
69	Molybdenum	0.005	EPA6020A		
70	Nickel	0.005	EPA6020A		
71	Potassium	0.05	EPA6020A		
72	Selenium	0.001	EPA6020A		
73	Silver	0.0002	EPA6020A		
74	Sodium	0.05	EPA6020A		
75	Thallium	0.001	EPA6020A		
76	Tin	0.02			
77	Vanadium	0.005	EPA6020A		
78	Zinc	0.002	EPA6020A		
79	N/A	N/A			

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Appendix A - Method (Continued)

Radiochemistry

Item No.	Parameter	Associated MDL	Method #	Alt Method #	Alt MDL
80	Gross Alpha				
81	Gross Beta				
82	Ra - 226				
83	Ra -228				
84	Total Urainum				
85	Sr-89				
86	Sr-90				
87	Tritium (H3)				
88	Gamma (Cs-137)				
89	Radon				

Toxicity Testing - Freshwater organisms

Item No.	Test	Est. #	Method #
	Acute:		
90	Ceriodaphnia	25	2002.0
91	Daphnia Pulex / D. magna	10	2021.0
92	Pimephales promelas	25	2000.0
	Chronic:		
93	Ceriodaphnia	25	1002.0
94	Pimephales promelas (Survival & growth)	25	1000.0
95	Pimephales promelas (Survival & teratogenicity)	25	1001.0

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Appendix B

Constituents for Phase I Detection Monitoring

GROUP A: Inorganic Constituents

COMMON NAME[2]	CAS RN[3]	
Acidity	(Total)	
Aluminum	(Total)	id as package
Alkalinity	(Total)	(Groups A and B combined)
Ammonia Nitrogen	(Total)	
Antimony	(Total)	
Arsenic	(Total)	
Barium	(Total)	
Beryllium	(Total)	
Bicarbonates	(mg/l)	
Boron	(Total)	
Cadmium	(Total)	
Chlorides	(Total)	
Chromium	(Total)	
Cobalt	(Total)	
COD	(mg/l)	
Copper	(Total)	
Dissolved Manganese	(Total)	
Iron	(Total)	
Lead	(Total)	
Magnesium	(Total)	
Mercury	(Total)	
Molybdenum	(Total)	
Nickel	(Total)	
Nitrate	(Total)	
pH	(Std. Units)	
Potassium	(Total)	
Selenium	(Total)	
Silver	(Total)	
Sodium	(Total)	
Specific Conductance	(umhos/cm)	
Sulfate	(Total)	
TDS	(mg/l)	
Thallium	(Total)	
TOC	(mg/l)	
Total Phenolic Materials	(Total)	
TSS	(Total)	
Turbidity	(Total)	
Vanadium	(Total)	
Zinc	(Total)	

In addition to the above, the following parameters should be analyzed:
Temperature, (BOD-5-day),flouride and calcium.

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GROUP B: Organic Constituents[1]

COMMON NAME[2]	CAS RN[3]
Acetone	67-64-1
Acrylonitrile	107-13-1
Benzene	71-43-2
Bromochloromethane	74-97-5
Bromodichloromethane	75-27-4
Bromoform; Tribromomethane	75-25-2
Carbon disulfide	75-15-0
Carbon tetrachloride	56-23-5
Chlorobenzene	108-90-7
Chloroethane;Ethyl chloride	75-00-3
Chloroform; Trichloromethane	67-66-3
Dibromochloromethane; Chlorodibromometh	124-48-1
1,2-Dibromo-3-chloropropane;DBCP	96-12-8
1,2,-Dibromoethane; Ethylene dibromide; EI	106-93-4
o-Dichlorobenzene; 1,2-Dichlorobenzene	95-50-1
p-Dichlorobenzene; 1,4-Dichlorobenzene	106-46-7
trans-1,4-Dichloro-2-butene	110-57-6
1,1-Dichloroethane; Ethylidene chloride	75-34-3
1,2-Dichlorethanel Ethylene dichloride	107-06-2
1,1-Dichloroethylene; 1,1-Dichloroethene;Vi	75-35-4
cis-1,2-Dichlorethylene; cis-1,2-Dichloroeth	156-59-2
trans-1,2-Dichloroethylene; trans-1,2-Dichlo	156-60-5
1,2-Dichloropropane; Propylene dichloride	78-87-5
cis-1,3-Dichloropropene	10061-01-5
trans-1,3-Dichloropropene	10061-02-6
Ethylbenzene	100-41-4
2-Hexanone; Methyl butyl ketone	591-78-6
Methyl bromide; Bromomethane	74-83-9
Methyl chloride; Chloromethane	74-87-3
Methylene bromide; Dibromomethane	74-95-3
Methylene chloride; Dichloromethane	75-09-2
Methyl ethyl ketone; MEK; 2-Butanone	78-93-3
Methyl iodide; Iodomethane	74-88-4
4-Methyl-2-pentanone; Methyl isobutyl keto	108-10-1
Styrene	100-42-5
1,1,1,2-Tetrachloroethane	630-20-6
1,1,2,2-Tetrachloroethane	79-34-5
Tetrachloroethylene; Perchloroethylene	127-18-4
Toluene	108-88-3
1,1,1-Trichloroethane; Methyichloroform	71-55-6
1,1,2-Trichloroethane	79-00-5
Trichloroethylene; Trichloroethene	79-01-6
Trichlorofluoromethane; CFC-ll	75-69-4
1,2,3-Trichloropropane	96-18-4
Vinyl acetate	108-05-4
Vinyl chloride	75-01-4
Xylenes	1330-20-7

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1. This list contains volatile organics for which possible analytical procedures provided in EPA Report SW-846 "Test Methods for Evaluating Solid Waste", third edition, November 1986, as revised December 1987, includes Method 8260 and 8011; and metals for which SW-846 provides either Method 6010 or a method from the 7000 series of methods.

2. Common names are those widely used in government regulations, scientific publications, and commerce; synonyms exist for many chemicals.

3. Chemical Abstracts Service registry number. Where "Total" is entered, all species in the groundwater that contain this element are included.

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ANALYSIS OF WATER AND SOIL

DEP15037

Vendor's Bid Sheet

Vendors Name: Analabs, Inc.

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

Liquid Samples						
ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Dection Level*	UNIT PRICE	AMOUNT
1	4000	pH	SM4500H+B	N/A	$ 10.00	$40,000
1A	10	pH (Solid)	SW9045		$ 15.00	$150.00
2	4000	Hot Acidity	SM2310B	5 mg/l	$ 10.00	$40,000
2A	1000	Hot Acidity Alt. Method		*	$	$
3	4000	Alkalinity	EPA 310.2	5 mg/L	$ 10.00	$40,000
3A	1000	Alkalinity Alt. Method	SM2320B	5mg/L	$ 10.00	$10,000
4	500	Hardness	SM2340B	1 mg/L	$ 30.00	$15,000
4A	100	Hardness Alt. Method			$	$
4B	10	Hardness (Solid)	SM2340B		$ 45.00	$450
5	1000	Specific Conductance	SM2510B	3 uS/cm^2	$ 10.00	$ 10,000
5A	500	Specific Conductance Alt. Method			$	$
6	4000	Sulfate	EPA300.0	5 mg/L	$ 12.00	$ 48,000
6A	1000	Sulfate Alt. Method			$	$
6B	10	Sulfate (Solid)	EPA300.0		$ 27.00	$ 270
7	20	Sulfide		1 mg/L	$	$
7A	10	Sulfide Alt. Method			$	$
8	20	Turbidity	EPA 180.1	1 NTU (higher OK if highly turbid)	$ 10.00	$ 200
8A	10	Turbidity Alt. Method			$	$
9	25	Bromide		1 mg/L	$	$
9A	10	Bromide Alt. Method		0.1 mg/L	$	$
9B	10	Bronide (Solid)			$	$
10	3000	Chloride	SM4500C1-E	5 mg/L	$ 12.00	$ 36,000
10A	100	Chloride Alt. Method			$	$
10B	10	Chloride (Solid)	SM4500C1-E		$ 27.00	$ 270
11	25	Fluoride	SM4500F-C	0.2 mg/L	$ 20.00	$ 500
11A	10	Fluoride Alt. Method			$	$
11B	10	Fluoride (Solid)	SM4500F-C		$ 35.00	$ 350
12	4000	Fecal Coliform (MF)	SM9222D	4 col/100 mL	$ 18.00	$ 72,000
12A	1000	Fecal Coliform (MF) Alt. Method			$	$
13	100	Fecal Coliform (MPN)		4 col/100 mL	$	$
13A	50	Fecal Coliform (MPN) Alt. Method			$	$
14	25	Total Solids	SM2540B	1 mg/L	$ 12.00	$ 300
14A	10	Total Solids Alt. Method			$	$
14B	10	Total Solide (Solid)	SM2450G		$ 12.00	$ 120
15	3000	Dissolved Solids (TDS)	SM2540C	1 mg/L	$ 10.00	$ 30,000
15A	1000	Dissolved Solids (TDS) Alt. Method			$	$
16	4000	Suspended Solids (TSS)	SM2540D	3 mg/L	$ 10.00	$ 40,000
16A	1000	Suspended Solids (TSS) Alt. Method			$	$

REVISED PER ADDM# 5

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Dection Level*	UNIT PRICE	AMOUNT
17	25	Settleable Solids	SM2540F	0.5ml/L	$10.00	$250
17A	10	Settleable Solids Alt. Method			$	$
18	25	Volatile Solids	SM2540E	1 mg/L	$12.00	$300
18A	10	Volatile Solids Alt. Method			$	$
18B	10	Volatile Solide (Solid)	SM2540E		$12.00	$120
19	25	Percent Solids	SM2540G	1%	$12.00	$300
19A	10	Percent Solids Alt. Method			$	$
19B	10	Percent Solids (Solid)	SM2540G		$12.00	$120
20	400	Kjeldahl Nitrogen	EPA351.2	0.1 mg/L	$24.00	$9,600
20A	100	Kjeldahl Nitrogen Alt. Method			$	$
20B	10	Kjeldahl Nitrogen (Solid)	SM4500NH3B		$39.00	$390
20C	10	Kjeldahl Nitorgen Alt. Method (Solid)			$	$
21	50	Ammonia Nitrogen	EPA 350.1	0.1 mg/L	$24.00	$1,200
21A	10	Ammonia Nitrogen Alt. Method			$	$
21B	10	Ammonia Nitrogen (Solid)	SM4500NH3B		$39.00	$390
21C	10	Ammonia Nitrogen Alt. Method (Solid)			$	$
22	50	Organic Nitrogen	SM4500N	0.5 mg/L	$24.00	$1,200
22A	10	Organic Nitrogen Alt. Method			$	$
23	50	Nitrate-Nitrogen	EPA 335.2	0.05 mg/L	$24.00	$1,200
23A	10	Nitrate-Nitrogen Alt. Method			$	$
24	50	Nitrite-Nitrogen	EPA 335.2	0.05 mg/L	$24.00	$1,200
24A	10	Nitrite-Nitrogen Alt. Method			$	$
24B	10	Nitrite-Nitrogen (Solid)	SM4500NO3F		$39.00	$390
24C	10	Nitrite-Nitrogen Alt. Method (Solid)			$	$
25	400	Nitrite-Nitrate	EPA 335.2	0.05 mg/L	$ 24.00	$9,600
25A	100	Nitrite-Nitrate Alt. Method			$	$
25B	10	Nitrite-Nitrate (Solid)	SM4500NO3F		$39.00	$390
25C	10	Nitrite-Nitrate Alt. Method (Solid)			$	$
26	400	Total Phosphorus	EPA365.1	0.005 mg/L	$24.00	$9,600
26A	100	Total Phosphorus Alt. Method			$	$
26B	10	Total Phosphorus (Solid)	SM4500PF		$39.00	$390
26C	10	Total Phosphorus Alt. Method (Solid)			$	$
27	50	Orthophosphate	EPA 365.1	0.01 mg/L	$12.00	$600
27A	10	Orthophosphate Alt. Method			$	$
28	50	Total Phosphate	EPA 365.1	0.01 mg/L	$ 12.00	$600
28A	10	Total Phosphate Alt. Method			$	$
28B	10	Total Phosphate (Solid)	SM4500PF		$ 27.00	$270
28C	10	Total Phosphate Alt. Method (Solid)			$	$
29	25	BOD	SM5210B	1 mg/L	$36.00	$900
29A	10	BOD Alt. Method			$	$
30	25	BOD-carbonaceous		1 mg/L	$	$
30A	10	BOD-carbonaceous Alt. Method			$	$
31	25	COD	SM5220D	0.5 mg/L	$ 24.00	$600
31A	10	COD Alt. Method			$	$
32	25	TOC		1 mg/L	$	$
32A	10	TOC Alt. Method			$	$
33	25	MBAS	SM5540C	0.05 mg/L	$24.00	$ 600
33A	10	MBAS Alt. Method			$	$
34	25	Phenolics	EPA 420.4	0.01 mg/L	$24.00	$ 600
34A	10	Phenolics Alt. Method			$	$
34B	10	Phenolics (Solid)	EPA 420.4		$39.00	$ 390
35	25	Total Cyanide	EPA 335.4	0.005 mg/L	$24.00	$ 600
35A	10	Total Cyanide Alt. Method			$	$
35B	10	Total Cyanide (Solid)	EPA 335.4		$ 39.00	$390

REVISED PER ADDM# 5

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Dection Level*	UNIT PRICE	AMOUNT
36	200	Hexavalent Chromium	SM3500CrD	0.005 mg/L	$18.00	$3,600
36A	10	Hexavalent Chromium Alt. Method			$	$
36B	10	Hexavalent Chromium (Solid)	SM3500CrD		$33.00	$330
37	25	Oil-Grease	EPA1664A	2 mg/L	$ 36.00	$900
37A	10	Oil-Grease Alt. Method			$	$
37B	10	Oil-Grease (Solid)	EPA1664A		$51.00	$510
38	100	Cholorophyll A		0.5 mg/L	$	$
38A	20	Cholorophyll A Alt. Method			$	$
39	25	Color (APHA)		5 color units	$	$
39A	10	Color (APHA) Alt. Method			$	$
40	25	Color (ADMI)		10 ADMI value	$	$
40A	10	Color Alt. Method			$	$
41A	25	Cyanide, Amenable		0.005 mg/L	$	$
41B	10	Cyanide, Amenable Alt. Method			$	$
42	25	Cyanide, Free (ASTM)		0.01 mg/L	$	$
42A	10	Cyanide, Free Alt. Method			$	$
43	25	Mineral Acidity	SM2310B	1 mg/L	$ 10.00	$250
43A	10	Mineral Acidity Alt. Method			$	$
44	25	Total Acidity	SM2310B	1 mg/L	$10.00	$250
44A	10	Total Acidity Alt. Method			$	$
45	25	Tot Petroleum Hydrocarbons GRO/DRO (8015)		0.5 mg/L	$	$
45A	10	Tot Petroleum Hydrocarbons GRO/DRO (8015) Alt. Method			$	$
45B	10	Tot Petroleum Hydrocarbons GRO/DRO (8015) (Solid)			$	$
46	25	Fecal Streptococci		4 col/100 mL	$	$
46A	10	Fecal Streptococci Alt. Method			$	$
46B	10	Fecal Streptococci (Solid)			$	$
47	25	Escherichia Coli (Numeric Result)		1 col/100 mL	$	$
47A	10	E. Coli (Numeric Result) Alt. Method			$	$
48	25	Bicarbonate (Standard Methods)	SM4500	1 mg/L	$ 12.00	$300
48A	10	Bicarbonate Alt. Method			$	$
49	25	Ferrous Iron (Standard Methods)		0.05 mg/L	$	$
49A	10	Ferrous Iron Alt. Method			$	$
51	25	Dissolved Organic Carbon		1 mg/L	$	$
51A	10	Dissolved Organic Carbon Alt. Method			$	$
53	4000	Aluminum	EPA6020A	0.005 mg/L	$ 12.00	$ 48,000
53A	100	Aluminum - Alt. method			$	$
53B	10	Aluminum (Solid)	EPA6020A		$ 27.00	$ 270
54	20	Antimony	EPA6020A	0.005 mg/L	$ 16.00	$ 320
54A	10	Antimony Alt. Method			$	$
54B	10	Antimony (Solid)	EPA6020A		$ 31.00	$ 310
55	20	Arsenic	EPA6020A	0.005 mg/L	$ 16.00	$ 320
55A	10	Arsenic Alt. Method			$	$
55B	10	Arsenic (Solid)	EPA6020A		$ 31.00	$ 310
56	20	Barium	EPA6020A	0.005 mg/L	$ 16.00	$ 320
56A	10	Barium Alt. Method			$	$
56B	10	Barium (Solid)	EPA6020A		$ 31.00	$ 310
57	20	Beryllium	EPA6020A	0.001 mg/L	$ 16.00	$ 320
57A	10	Beryllium Alt. Method			$	$
57B	10	Beryllium (Solid)	EPA6020A		$ 31.00	$ 310
58	20	Boron	EPA6020A	0.02 mg/L	$ 16.00	$ 320
58A	10	Boron Alt. Method			$	$

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ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Dection Level*	UNIT PRICE	AMOUNT
58B	10	Boron (Solid)	EPA6020A		$31.00	$ 310
59	200	Cadmium	EPA6020A	0.0002 mg/L	$16.00	$ 3,200
59A	20	Cadmium Alt. Method			$	$
59B	10	Cadmium (Solid)	EPA6020A		$31.00	$10
60	500	Calcium	EPA6020A	0.02 mg/L	$12.00	$ 6,000
60A	20	Calcium Alt. Method			$	$
60B	10	Calcium (Solid)	EPA6020A		$27.00	$ 270
61	20	Chromium	EPA6020A	0.001 mg/L	$16.00	$20
61A	10	Chromium Alt. Method			$	$
61B	10	Chromium (Solid)	EPA6020A		$31.00	$ 310
62	20	Cobalt	EPA6020A	0.001 mg/L	$16.00	$ 320
62A	10	Cobalt Alt. Method			$	$
62B	10	Cobalt (Solid)	EPA6020A		$31.00	$ 310
63	200	Copper	EPA6020A	0.001 mg/L	$16.00	$ 3,200
63A	20	Copper Alt. Method			$	$
63B	10	Copper (Solid)	EPA6020A		$31.00	$ 310
64	3000	Iron	EPA6020A	0.01 mg/L	$12.00	$ 36,000
64A	100	Iron Alt. Method			$	$
64B	10	Iron (Solid)	EPA6020A		$27.00	$ 270
65	200	Lead	EPA6020A	0.001 mg/L	$16.00	$ 3,200
65A	10	Lead Alt. Method			$	$
65B	10	Lead (Solid)	EPA6020A		$31.00	$ 310
66	500	Magnesium	EPA6020A	0.05 mg/L	$12.00	$ 6,000
66A	20	Magnesium Alt. Method			$	$
66B	10	Magnesium (Solid)	EPA6020A		$27.00	$ 270
67	3000	Manganese	EPA6020A	0.005 mg/L	$12.00	$ 36,000
67A	100	Manganese Alt. Method			$	$
67B	10	Manganese (Solid)	EPA6020A		$27.00	$ 270
68	200	Mercury	EPA245.1	0.0001 mg/L	$30.00	$ 6,000
68A	200	Mercury / Method 1631E		0.5 ng/L	$	$
68B	10	Mercury (Solid)	SW7471B		$45.00	$ 450
69	20	Molybdenum	EPA6020A	0.005 mg/L	$16.00	$ 320
69A	10	Molybdenum Alt. Method			$	$
69B	10	Molybdenum (Solid)	EPA6020A		$31.00	$ 310
70	200	Nickel	EPA6020A	0.005 mg/L	$16.00	$ 3,200
70A	20	Nickel Alt. Method			$	$
70B	10	Nickel (Solid)	EPA6020A		$31.00	$ 310
71	500	Potassium	EPA6020A	0.05 mg/L	$12.00	$ 6,000
71A	20	Potassium Alt. Method			$	$
71B	10	Potassium (Solid)	EPA6020A		$27.00	$ 270
72	500	Selenium	EPA6020A	0.001 mg/L	$16.00	$ 8,000
72A	20	Selenium Alt. Method			$	$
72B	10	Selenium (Solid)	EPA6020A		$31.00	$ 310
73	200	Silver	EPA6020A	0.0002 mg/L	$16.00	$ 3,200
73A	20	Silver Alt. Method			$	$
73B	10	Silver	EPA6020A		$ 31.00	$ 310
74	500	Sodium	EPA6020A	0.05 mg/L	$12.00	$ 6,000
74A	20	Sodium Alt. Method			$	$
74B	10	Sodium (Solid)	EPA6020A		$27.00	$ 270
75	20	Thallium	EPA6020A	0.001 mg/L	$ 16.00	$ 320
75A	10	Thallium Alt. Method			$	$
75B	10	Thallium (Solid)	EPA6020A		$31.00	$ 310
76	20	Tin		0.02 mg/L	$	$
76A	10	Tin Alt. Method			$	$

REVISED PER ADDM# 5

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Dection Level*	UNIT PRICE	AMOUNT
76B	10	Tin (Solid)			$	$
77	20	Vanadium	EPA6020A	0.005 mg/L	$16.00	$320
77A	10	Vanadium Alt. Method			$	$
77B	10	Vanadium (Solid)	EPA6020A		$31.00	$310
78	200	Zinc	EPA6020A	0.002 mg/L	$16.00	$3,200
78A	20	Zinc Alt. Method			$	$
78B	10	Zinc (Solid)	EPA6020A		$31.00	$310
79	200	Metals Prep Cost	SW3050B		$.....	$.....
79A	10	Metals Prep Cost (Solid)	EPA6020A		$15.00	$150.....
80	20	Gross Alpha			$	$
81	20	Gross Beta			$	$
82	20	Ra-226			$	$
83	20	Ra-228			$	$
84	20	Total Uranium			$	$
85	20	Sr-89			$	$
86	20	Sr-90			$	$
87	20	Tritium (H3)			$	$
88	20	Gamma (Cs-137)			$	$
89	20	Radon			$	$

Included in individual metal pricing

		Toxicity Testing - Freshwater Organisms			
		Acute:			
90	25	Ceriodaphnia		$	$
91	10	Daphnia Pulex / D. magna		$	$
92	25	Pimephales promelas		$	$
		Chronic:			
93	25	Ceroidaphnia		$	$
94	25	Pimephales promelas (Survival & Growth)		$	$

95	200	Analysis of entire "Phase I Parameters" for landfills **See Appendix B for list.**		$803.00	$ 160,600

TOC & Organics subcontracted; all other in-house

96	10	**Professional staff representation of data in legal/administrative setting per hour**	$	$

		Collection of samples - costs associated with sample pickup form the following locations:		
97	24	**Charleston Office, 601 57th St., SE, Charleston, WV 25304**	$80.00	$ 1,920
98	24	**Teays Office, P.O. Box 662, Teays, WV 25596**	$115.00	$ 2,760
99	24	**Fairmont Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554**	$170.00	$ 4,080
100	24	**Romney Office, HC 63, Box 2545, Romney, WV 26757**	$345.00	$ 8,280
101	24	**French Creek Office, P.O. Box 38, French Creek, WV 26218**	$ 200.00	$ 4,800
102	24	**Wheeling Office, 131A Peninsula St., Wheeling, WV 26003**	$350.00	$ 8,400
103	24	**Parkersburg Office, 2311 Ohio Ave., Parkersburg, WV 26010**	$175.00	$ 4,200
104	24	**Oak Hill Office, 116 Industrial Dr., Oak Hill, WV 25901**	$40.00	$ 960

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ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Dection Level*	UNIT PRICE	AMOUNT
105	24	**Logan Office, 1101 George Kostas Dr. Logan, 25601**			$185.00	$4,400
106	24	**Welch Office, 311 Court St. Welch 24801**			$ 160.00	$3,840
107	5000	**Other locations as Cost Per Mile to pickup site**			$3.00	$15,000
108	10	**24 Hour Turn-Around Rush Orders****			$ 200%	$
109	10	**48 Hour Turn-Around Rush Orders****			$ 100%	$
110	10	**72 Hour Turn Around Rush Orders****			$75%	$
		TOTAL				$

All unit pricing quoted should be based on standard (not to exceed two weeks) turn-around time.

* For Alternate test methods (and methods for which no MDL is listed), list your current method detection limit for each method

**During emergency situations samples may be requested on a quicker turn-around basis.

West Virginia

Department of Environmental Protection

hereby certifies

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Analabs, Incorporated

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

042

Certificate number

February 17, 2006

Date Issued

Certificate originally granted 5/11/1993

Quality Assurance Officer

Director

Attachment I

COPY

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

Annual Certified Parameter List

for

ANALABS, INCORPORATED
CRAB ORCHARD, WEST VIRGINIA

PARAMETERS CERTIFIED

NONPOTABLE WATER INORGANIC NONMETALS

ANALYTE	METHOD	TECHNOLOGY
Acidity, Hot, Total	SM20th2310 B(4a)	Titrimetric
Alkalinity	EPA310.2 Rev 2.2-1974	Colorimetric
Alkalinity	SM20th2320 B	Titrimetric
Ammonia	EPA350.1 Rev 2.0-1993	Spectrophotometric
Chloride	SM20th4500-Cl-E	Colorimetric
Chlorine, Residual	HACH 8167	Spectrophotometric
Chromium, Hexavalent	SM20th3500-Cr B	Colorimetric
Cyanide, Total	EPA335.4 Rev 1.0-1993	Spectrophotometric
Dissolved	SM20th2540 C	Gravimetric
Fluoride	SM20th4500-F C	ISE
Hardness, Total	SM20th2340 B	Calculation
Kjeldahl, Total Nitrogen, (TKN)	EPA351.2 Rev 2.0-1993	Spectrophotometric
Nitrate	EPA353.2 Rev 2.0-1993	Spectrophotometric
Nitrate-Nitrite	EPA353.2 Rev 2.0-1993	Calculation
Nitrite	EPA353.2 Rev 2.0-1993	Spectrophotometric
Oil & Grease	EPA1664 A	Gravimetric
Oxygen, Biochemical, (BOD)	SM20th5210 B	Probe
Oxygen, Chemical, (COD)	SM20th5220 D	Spectrophotometric
Oxygen, Dissolved	SM20th4500-O G	Probe
pH	SM20th4500-H B	Electrode
Phenolics, Total	Lachat 10-210-00-1-A	Spectrophotometric
Phosphorus, Ortho	EPA365.1 Rev 2.0-1993	Spectrophotometric
Phosphorus, Total	EPA365.1 Rev 2.0-1993	Spectrophotometric
Settleable	SM20th2540 F	Gravimetric
Specific Conductance	SM20th2510 B	Probe
Sulfate	EPA300.0 Rev 2.1-1993	IC
Surfactants, (MBAS)	SM20th5540 C	Spectrophotometric
Suspended	SM20th2540 D	Gravimetric
Temperature	SM20th2550 B	Manual
Total	SM20th2540 B	Gravimetric
Turbidity	EPA180.1 Rev 2.0-1993	Turbidimetric
Ammonia	EPA350.1 Rev 2.0-1993	Distillation
Cyanide, Total	EPA335.4 Rev 1.0-1993	Distillation

ANALYTE	METHOD	TECHNOLOGY
Fluoride	SM20th4500-F B	Distillation
Kjeldahl, Total Nitrogen, (TKN)	EPA351.2 Rev 2.0-1993	Digestion
Kjeldahl, Total Nitrogen, (TKN)	EPA351.2 Rev 2.0-1993	Distillation

NONPOTABLE WATER TRACE METALS

METAL	METHOD	TECHNOLOGY
Aluminum	SW6020	ICP-MS
Antimony	SW6020	ICP-MS
Arsenic	SW6020	ICP-MS
Barium	SW6020	ICP-MS
Beryllium	SW6020	ICP-MS
Boron	SW6020	ICP-MS
Cadmium	SW6020	ICP-MS
Calcium	SW6020	ICP-MS
Chromium	SW6020	ICP-MS
Cobalt	SW6020	ICP-MS
Copper	SW6020	ICP-MS
Iron	SW6020	ICP-MS
Lead	SW6020	ICP-MS
Magnesium	SW6020	ICP-MS
Manganese	SW6020	ICP-MS
Mercury	EPA245.1 Rev 3.0-1994	CVAA
Molybdenum	SW6020	ICP-MS
Nickel	SW6020	ICP-MS
Potassium	SW6020	ICP-MS
Selenium	SW6020	ICP-MS
Silver	SW6020	ICP-MS
Sodium	SW6020	ICP-MS
Thallium	SW6020	ICP-MS
Vanadium	SW6020	ICP-MS
Zinc	SW6020	ICP-MS
Metals, Dissolved	SW3005A	Digestion
Metals, Total	SW3005A	Digestion

NONPOTABLE WATER MICROBIOLOGY

GROUP	METHOD	TECHNOLOGY
Coliform, Fecal	SM20th9222 D	Membrane Filter

HAZARDOUS WASTE CHARACTERISTICS

PROCEDURE	METHOD	TECHNOLOGY
Paint Filter Test	SW9095B	Gravimetric
TCLP (Metals only)	SW1311	Extraction

SOLID AND CHEMICAL INORGANIC NONMETALS

ANALYTE	METHOD	TECHNOLOGY
Ammonia	SM20th4500 NH3-G	Spectrophotometric
Kjeldahl, Total Nitrogen, (TKN)	SM20th4500 NH3-G	Spectrophotometric
Nitrate	SM20th4500 NO3-F	Spectrophotometric
pH, Soil and Waste	SW9045 D	Electrode
Phosphorus	SM20th4500 P-F	Spectrophotometric
Volatile (Sludges)	SM20th2540 G	Gravimetric
Ammonia	SM20th4500 NH3-B	Distillation
Kjeldahl, Total Nitrogen, (TKN)	SM20th4500 Norg-C	Digestion
Kjeldahl, Total Nitrogen, (TKN)	SM20th4500 NH3-B	Distillation
Phosphorus	SM20th4500 P-B	Digestion

SOLID AND CHEMICAL TRACE METALS

METAL	METHOD	TECHNOLOGY
Aluminum	SW6020	ICP-MS
Antimony	SW6020	ICP-MS
Arsenic	SW6020	ICP-MS
Barium	SW6020	ICP-MS
Beryllium	SW6020	ICP-MS
Boron	SW6020	ICP-MS
Cadmium	SW6020	ICP-MS
Calcium	SW6020	ICP-MS
Chromium	SW6020	ICP-MS
Cobalt	SW6020	ICP-MS
Iron	SW6020	ICP-MS
Lead	SW6020	ICP-MS
Magnesium	SW6020	ICP-MS
Manganese	SW6020	ICP-MS
Mercury	SW7471 B	CVAA
Molybdenum	SW6020	ICP-MS
Nickel	SW6020	ICP-MS
Potassium	SW6020	ICP-MS
Selenium	SW6020	ICP-MS
Silver	SW6020	ICP-MS
Sodium	SW6020	ICP-MS
Thallium	SW6020	ICP-MS
Vanadium	SW6020	ICP-MS
Zinc	SW6020	ICP-MS
Metals, Dissolved	SW3050B	Digestion
Metals, Total	SW3050B	Digestion

SOLID AND CHEMICAL MICROBIOLOGY

GROUP	METHOD	TECHNOLOGY
Fecal Coliform	SM20th9222D	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 August 31, 2011. Certificate No 042

Tommy W. Smith II Issued on September 08, 2010

Tommy W. Smith II
Quality Assurance Officer

Charles K. Thompson
P. O. Box 1235
Crab Orchard, WV 25827
304-255-4821
cthompson@analabsinc.com

ANALABS

EDUCATION

- B.S. Mathematics, W.V. Institute of Technology, Montgomery, WV, 1966
- B.S. Chemistry W.V. Institute of Technology, Montgomery, WV, 1970
- W.V. State Police Academy, Dunbar, WV, 1972
- W.V. College of Graduate Studies, Beckley, WV, courses toward M.B.A., 1982

SPECIALIZED TRAINING

- 1972 - Bureau of Narcotics and Dangerous Drugs Forensic Chemist School, Washington, DC
- 1972 - Atomic Absorption Spectrophotometry Seminar, Cincinnati, OH
- 1973 - Fluorescence Spectrophotometry Seminar, Norwalk, CT
- 1974 - Supervisor's Chemical Test Program, Indiana University, Bloomington, IN
- 1975 - X-Ray Fluorescence Spectrometry Course, Sunnyvale, CA
- 1976 - Instrumental Analysis, FBI National Academy, Quantico, VA
- 1979 - A Short Course in Coal Preparation, West Virginia University, Morgantown, WV
- 1990 - EPA Drinking Water Symposium, Charleston, WV
- 1991 - Acid Mine Drainage Seminar, University of Kentucky
- 1992 - Chemistry of Contaminants in Soil/Water Systems, University of Kentucky
- 1992 - 40-Hour OSHA HAZMAT Training
- 1992 - 8-Hour HAZMAT Supervisor Training
- 1994 - Class 1-D Water Plant Operator, Clarksburg, WV
- 1995 - EPA Conference on Analysis of Pollutants in the Environment, Norfolk, VA
- 1996 - Perkin-Elmer AA and ICP Seminar, Charleston, WV
- 1999-Intoximeter Breath Alcohol Supervisor Training, Harrisonburg, VA
- 2001- Mold Remediation Course, University of Cincinnati, Cincinnati, OH
- 2001- AEGIS Microbe Shield Certified Applicator Course, Midland, MI
- 2002- BECO Mold Seminar, Columbus, OH
- 2002- IAQA Conference, Chicago, IL
- 2002- IAQA Certified Indoor Environmentalist Course, Fort Lauderdale, FL
- 2004- AeroTech Laboratories Mold Seminar, Raleigh, NC

PROFESSIONAL HISTORY

Owner, Analabs, Inc., 1987 – Present. - Supervises design and operation of laboratory and

laboratory personnel. Implements training program for personnel in correct EPA procedures of laboratory analysis. Performs analysis on hazardous waste materials.

Co-Owner, Precision Testing Laboratory, Beckley, WV, 1984 – 1991. – Supervised design and operation of laboratory and laboratory personnel and coal analysis. Implemented training program for personnel in correct procedures of laboratory analysis. Preparation plant technical advisor.

Quality Control Supervisor, National Mines Corporation, Pineville, WV, 1979 - 1990 Regulated quality and blend of clean coal product. Monitored quality of raw coal received from contract mine operations. Supervised quality of magnetite purchased and perform checks on preparation plant cleaning circuits. Administered environmental control and direct construction of refuse impoundment. Supervised operation of coal and water laboratory, weigh station and laboratory personnel. Evaluated analysis of coal (moisture, ash, sulfur, volatile matter, FSI, BTU, ash fusion, fluidity, grindability, washability) and water (pH, iron, manganese, dissolved solids, suspended solids, specific conductance, alkalinity, acidity, chloride, sulfate, aluminum). Preparation Plant technical advisor.

Consultant, Appalachian Laboratories, Beckley, WV, March 1985 - Dec. 1986. Supervised all aspects of water analysis.

Consultant, Aren and Associates, Inc., Beckley, WV, Feb. 1984 - Feb. 1985. Technical Consultant for water analysis.

Prep Plant Production Foreman, National Mines Corporation, Pineville, WV, 1978 – 1979. Supervised all aspects of coal preparation and eighteen hourly employees.

Preparation Plant Engineer, National Mines Corporation, Pineville, WV, 1977 - 1978 Initiated and supervised all technical problem solving projects.

Chemist, National Mines Corporation, Pineville, WV, 1976 – 1977. Performed coal and water analysis.

Forensic Chemist, West Virginia State Police, Charleston, WV, 1971 – 1976.Performed drug analysis, toxicological analysis and examined arson evidence. Expert witness for the State of West Virginia on over 200 different occasions. Instructor, State Police Academy.

CERTIFICATIONS

- Certified Troxler Nuclear Density Gauge Operator

PO Box 45
Forest Hill, WV 24935

304 466 6675

Katie Marie Cole

Objective To gain sufficient employment utilizing my knowledge and skills to the best of my ability

Experience January 2000-Present Analabs Inc Crab Orchard, WV

Lab Manager

- Meet with WVDEP, WVDHHR, and NELAC for inspection of the lab
- Oversee general management of laboratory and lab employees
- Review lab analysis and QC
- Provide consultation to clients
- Notify clients of non-compliant samples
- Assist in developing new methodologies (initial training, updating and writing SOPs, etc.)
- Oversee general maintenance of laboratory equipment.

January 2000-January 2005 Analabs Inc Crab Orchard, WV

Assistant Lab Supervisor

- Review lab analysis and QC
- Provide consultation to clients
- Notify clients of non-compliant samples
- Assist in developing new methodologies (initial training, updating and writing SOPs, etc.)
- Oversee general maintenance of laboratory equipment.

Education 1996-1999 College of West Virginia Beckley, WV

- Bachelors Degree in Natural Science

1995-1996 Bridgewater College Bridgewater, VA

1995 Summers Co. High School Hinton, WV

Certifications West Virginia University/National Fire Academy-Managing Company Tactical Operations/Leadership III/Incident Command System/Incident Safety Officer/HAZMAT/ Hazardous Materials Operations

Jamie M Wills
94 Holcomb Street, Glen Jean, WV 25846
3044693479
jwills@analabsinc.com

OBJECTIVE

Establish quantifiable standards to improve the professionalism of the laboratory.

EMPLOYMENT HISTORY

Metal Supervisor Jan 2009-current
Analabs INC., Crab Orchard, WV

- Manage and supervise the entire metals department.
- Complete knowledge of all methods for all analyses run in the metals section.
- Coordinate work flow and maintain deadline schedules.
- Main method developer and problem solver for both ICP-mass spectrometers.
- Extensive knowledge of quality control protocols.
- Maintain Standard Operating Procedures manual for the metals section.
- Certified to run drinking water analyzes. As well as NPDES, soil and sludge samples.
- Order parts and supplies for the section.
- Email results to clients.
- Train all new employees for the metals section.
- Also required to know various chemical and microbiological methods throughout the laboratory.
- Proficient with the use of PowerPoint, Excel, Word, Access, and various software for analyzing data.
- Improved proficiency and quality of work for metals section.

Laboratory Technician Jan 2008-Jan 2009
Analabs INC., Crab Orchard, WV

- Trained to run and maintain the ICS-MS.
- Ran analytical data and reported results.
- Trained in pipette technique and quality control requirements.
- Established filing system for section.
- Organized section to be more proficient.

EDUCATION

Bachelors of science in Biology Dec 2007
West Virginia University Institute of Technology in Montgomery, WV
Achieved degree while working 40 hours a week and doing volunteer work for the Dunloup Creek Watershed.

Summer Kuhn

146 Beaver Street
Shady Spring, WV 25918
304-282-1819
summerkuhn@gmail.com

Education

Shady Spring High School 2005, GPA 3.8
Honor Graduate

West Virginia University 2009
Overall GPA 3.4, Biology GPA 3.4, Psychology GPA 3.9
Bachelor of Science Degree in Biology with a Psychology minor
Cum Laude

Work Experience

Analabs, Inc. Lab Analyst, August 2010 – Present
-I perform Total Suspended Solid and Total Dissolved Solid tests.

Oak Hill and Mount Hope High School HSTA Teacher, Oak Hill WV, September 2009 – Present
- Health Science and Technology Academy
- I am the HSTA Teacher serving as an academic role model for the Oak Hill and Mount Hope High School HSTA club after school. I provide the students with hands on science activities exploring a range of topics, assistance in formulating a research presentation and provide career based guest speakers in modern technology, mathematics and science fields. I also help in preparing students for college by searching for majors, careers, other scholarships and colleges to attend.

Office Worker, Winterplace, Ghent WV, 2003-2010
- During the winter seasons I answered phones, office work, helped with group orientations and handled group ticketing for the ski resort.

Student Caller/Pledge Manager, WVU Foundation, Morgantown WV, 2007-2009
- The WVU Foundation was a work study job where I was able to connect with various alumni and friends of the different WVU schools, colleges, sports and programs. During this time I talked with many of them about their time at WVU, sporting events, new updates around campus and their interest in financially supporting the faculty and students of WVU.

Hardees, Morgantown WV, Summer 2008
Chase Exxon, Daniels WV, Summer 2009
- I worked as a cashier for one summer.

WVU HSTA Mentor, Morgantown WV, Summer 2007 and 2008
- HSTA is a scholarship program for high school minority students of West Virginia who are interested in entering a science, mathematics or technology major in college. I am a graduate of this program and while in college I served as a mentor to high school seniors and juniors during their summer programs at WVU.

Professional Skills

- Excellent listener and communicator verbally and in writing
- Strong developing analytical and research skills
- Skilled in varies computer programs including word processing, spreadsheets, email, ect
- Great team player in building trusting relationships with individuals

Personal Values

- I pride myself on my self-motivation, eagerness to learn, and love for new challenges.
- I am very productive and reliable worker with the ability to multiple task and reach personal and team goals.
- I am an enthusiastic, adaptable and loyal person who seeks a positive and respectful career.

Gregory S. Taylor

PO Box 205, Itmann, WV, 24847
Home: 304.294.4620 Work: 304.294.4620
E-mail: taylorg8@msu.edu

PROFESSIONAL EXPERIENCE

Analabs – Crab Orchard, West Virginia

Laboratory Technician
March 23rd 2008 – Present

I currently work at Analabs as a Laboratory Technician in the metals department. I operate an ICP Mass Spectrometer that tests samples for all major metals. Once a week I operate a mercury analyzer to measure mercury levels in samples. Additional responsibilities include identification and separation of rock strata in rock core samples, running treatability tests, volatile solids, and calculating percent solid weight. In the past I ran total suspended solids, total dissolved solids, and digested metals samples.

UPPER GUYANDOTTE WATERSHED ASSOCIATION – Mullens, West Virginia

Water Monitoring Program Coordinator
January 28th 2006 – January 28th 2008

I worked with the Upper Guyandotte Watershed Association as the Water Monitoring Program Coordinator. I chose sample locations, frequency of sampling and oversaw the training of all members involved. I set up and facilitated meetings between community members and involved governmental agencies to work in a capacity where all stakeholders were involved. I also oversaw the hiring and management of three summer interns brought in from colleges across the nation. I am familiar with water project funding sources and the permitting process. I also worked actively on the Wyoming County Brownfields Initiative, the Wyoming County Planning Commission, and managed over fifty volunteers that generated hundreds of volunteer hours for the Upper Guyandotte Watershed Association.

Significant Achievements

- UGWA was awarded 2007 Water Quality Award from the West Virginia Department of Environmental Protection for the development and stringent implementation of the volunteer water monitoring programs.
- Completed an E.P.A. approved Quality Assurance Program Plan which allowed two streams in the Upper Guyandotte to be added to the 303(d) list as impaired for bacteria.
- Secured over $40,000 generated in grant funding.

Education

Michigan State University, East Lansing, MI
Bachelor of Science completed August 2006, GPA - 3.03/4.00
Major: Environmental Studies & Applications
Additional coursework in GIS Cartography and Urban Planning
Michigan State University Overseas Study: Argentina, May 2006

Significant Achievements

- 2006 Environmental Studies & Applications Distinguished Service Award
- Students Embracing Environmental Disciplines Webmaster

-Relevant Coursework-

Water Resources Management	Watershed Management
Chemistry	Biology
Ecology	Statistics
GIS Cartography	GIS & The Environment
Environmental Law	Environmental Policy Formation
Natural Resource Management	Environmental Geochemistry
Fisheries & Wildlife	Urban Planning

Technical Proficiency

Operating Systems:	Windows XP, VISTA, ME, 2000, 98, MAC OSX Leopard, Linux
Software Expertise:	Microsoft Office, Desktop Publishing (Dream Weaver, Netscape Composer, Microsoft Front Page) Access, ArcGIS, ArcView

HERBERT L. PARSONS

431 MANOR DRIVE • BECKLEY WV 25801
304-731-9943 • HPARSONS2@GMAIL.COM

EDUCATION

WEST VIRGINIA UNIVERSITY
Morgantown, West Virginia
Bachelors of Science in Biology, May 2009

LIBERTY HIGH SCHOOL
Glen Daniels, West Virginia
Honor Graduate, May 2002
Selected to attend American Legion Boys' State

PUBLICATIONS

- Staudacher, E. M., Huetteroth, W., Parsons, H. L., Schachtner, J., and Daly, K.C. *Glomerular Response Mapping Using Virtual Projection Neuron Populations: A Step Towards Representing Whole Antennal Lobe Activity in Realtime.* (2007) *Chemical Senses.* pg 81.
- E. M. Staudacher, W. Huetteroth, H. L. Parsons, J. Schachtner, & K. C. Daly. Ensemble analysis of projection neurons from identified glomeruli in the moth *Manduca sexta*: Towards a 4D representation of odor processing in a virtual AL. *Society for Neuroscience.* November 6, 2007. San Diego CA.
- E. M. Staudacher, W. Huetteroth, H. L. Parsons, J. Schachtner, & K. C. Daly. Ensemble analysis of projection neurons from identified glomeruli in the moth *Manduca sexta*: Towards a 4D representation of odor processing in a virtual AL. (In press: *Journal of Neuroscience*)

EMPLOYMENT

ANALABS INC.
196 Dayton St.
Crab Orchard, WV 25827
May 2009 - Present
LAB ANALYST – Performed various laboratory preparation and analysis including solids, BOD/COD, flow injection and ion chrmiatography of various ions and ionic compounds.

HEALTH SCIENCES TECHNOLOGY ACADEMY
Robert C Byrd Health Sciences Center
PO Box 9026
Morgantown, WV 26506-9026

June 2008 – February 2009
PROGRAM ASSISTANT – In addition to typical office duties, I help to gather and sort data on various projects, including the DPD research project collaboration with the University of Pittsburgh.

January 2006 – May 2006
STUDENT OFFICE ASSISTANT - My duties included reviewing student files and assisting program coordinators with various office duties including filing and spreadsheets.

WVU WORK STUDY
Lab of Dr. Kevin Daly
Department of Biology
Morgantown, West Virginia 26506
May 2006 - December 2007

LAB ASSISTANT

Responsibilities included assisting a graduate student with research for a Master's thesis by conducting behavioral trials with experimentally-manipulated organisms. I also assisted a Post-Doctoral Researcher performing histology on insect brain tissue. This included fixation, staining, sectioning, and mounting brain tissue. A Confocal Laser Scanning Microscope, and its image acquisition software, was utilized to take optical sections of neurons being stained during experiments. An elimination experiment was also conducted under the Post-Doctoral researcher's supervision to eliminate a potential problem with the experimental paradigm.

MENTORSHIPS

HEALTH SCIENCES TECHNOLOGY ACADEMY - June 2005
Summer Academy Student Mentor

Responsible for monitoring students participating in the HSTA Summer Institute. Mentors were assigned between 7-10 students each, supervised activities, chaperoned outings, enforced rules, and treated minor injuries and ailments, with assistance of program coordinators.

HEALTH CAREERS OPPORTUNITY PROGRAM – July 2008
Mentor

Responsible for leading prospective HCOP students and their parents on a tour of the WVU Health Sciences Center, assisting students in activities that were planned by the participating professional schools, and answered questions regarding college and graduate school expectations.

SPECIALIZED SKILLS AND TRAINING

- Strong research background (neurobiology and community health).
- 3+ years of laboratory experience in various types of laboratory settings.
- Familiarity with several forms of histology including paraffin and plastic embedding techniques, Cason's Trichrome staining, and immunocytochemistry processes including the Avadin-Biotin reaction.
- Experience with advanced imaging techniques and equipment.
- Strong Biology and Chemistry background.
- Experience with Microsoft Office 2007 suite.

REFERENCES PROVIDED ON REQUEST

Jillian M. Holliday
(304) 890-2970
jholliday@suddenlink.net

Objective

Provide Analabs with quality and accurate analysis

Education

Mountain State University ***1999-2003***

B.S. Environmental Studies
B.S. Interdisciplinary Studies

Work History

Analabs ***August 2007-Present***

- Analyze various tests using flow injection and ion chromatography
- Titrations
- Microbiology testing including MFC, MPN, HPC and Bacteria samples
- Prepare reagents and standards for test analysis
- Quality Control

Name: **Catherine Romage**

Position: **Lab Technician**

Years with Company: 21 **years**

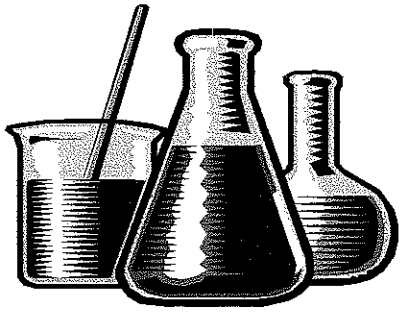
CR

EDUCATION AND TRAINING

- B.S., Biology, Glenville State College, Glenville, WV – 1985
- A.S., Forest Technology, Glenville State College, Glenville, WV – 1980
- EPA Drinking Water Symposium, Charleston, WV - 1990
- Acid Mine Drainage Seminar - University of Kentucky – 1991
- Perkin-Elmer HGA Training, Norwalk, CT – 1991
- Bacteriological Training, West Virginia Department of Health, Charleston, WV - 1993
- Perkin-Elmer AA and ICP Seminar, Charleston - 1996
- Lachat FIA & IC Training

TECHNICAL EXPERIENCE

Analyst - Analabs, Inc., 1989 - Present. Performs general lab procedures and wet chemistry using EPA accepted methods. Operates laboratory equipment, including a Perkin Elmer 2100 Atomic Absorption Spectrophotometer, a Lachat flow-injection ion analyzer with ion chromatography. Proficient in the microbiological examination of drinking and wastewater.



Jodie N. Wilson

HC 64 Box 453 · Iaeger, West Virginia 24844
jodie.wilson9@gmail.com · (H) 304.938.3675 (C) 276.202.4488

Qualifications Profile

Dependable, detail-oriented professional eagerly contributing laboratory skills and scientific knowledge to excel in a position related to analysis, quality control, and research.

Knowldege and skills

- Operating microscopes, centrifuges, thermocyclers, micropipettes, balances and scales, autoclaves, and other basic laboratory equipment. Prepare plates, slants, and dishes for various bacterial cultures, and properly dispose of used materials. Knowledge of and/or application of various laboratory tests (i.e. E.L.I.S.A.s, polymerase chain reaction, sample digestions, etc.). Successful completion of courses in inorganic and organic chemistry, biochemistry, biotechnology, ecology, and microbiology.
- Comfortable and capable of working with technology and various software programs.
- Work well independently and as an outgoing team member to ensure company success and client satisfaction. Excellent organizational and communication skills, self-motivated, and punctual. Considerate and adaptable to ensure duties are efficiently fulfilled.

Education

Wright State University, Dayton, OH — *09/2007 – In progress*
Master of Science in Biological Sciences (Thesis: Analysis of Elementary School Students' Understandings of Models as Changeable Entities)

West Virginia University Institute of Technology, Montgomery, WV — *01/2006 – 05/2007*
Bachelor of Science in Biology

Southern WV Community and Technical College, Mount Gay, WV — *08/2002 – 12/2005*
Associate of Science in Biology, Chemistry/Physics, Pre-Medicine/Pre-Pharmacy and Associate of Arts in General Studies

West Virginia University — *08/2001 – 03/2002*
13 credit hours toward degree in science

Experience

Environmental Laboratory Technician, Analabs, Inc., Crab Orchard, WV — *08/2010 – Present*
Prepare water and soil samples for acid digestions, nutrient extractions, sludge analysis, and dissolved oxygen content. Practice safe and standard laboratory techniques and use equipment (i.e. personal protective equipment, pipettes, electronic balances, syringes, filters, etc.) to ensure efficient, precise, and accurate results promptly. Prepare commonly used standards to make quality control standards and to digest samples. Prepare and check protocol sheets for samples. Perform calculations and enter data into computers pertaining to analyzed samples. Maintain a clean and organized laboratory environment to prevent contamination of samples and promote safety to laboratory personnel and visitors. Set up and take down towers of samples and store samples appropriately.

Classroom Science Teacher, Mount View High School, Welch, WV — *08/2009 – 08/2010*
Organized weekly lesson plans and instructional material and instructed high school students enrolled in physical science, chemistry, and human anatomy courses. Integrated technology and utilized Microsoft Word, Powerpoint, and Excel in many lessons and projects. Prepared and conducted physics and chemistry labs and dissections. Graded, prepared, and facilitated quizzes and exams. Kept records of academics, attendance, and discipline reports for each student.

Kennel Attendant, Towne and Country Animal Clinic, Fairborn, OH *08/2008 – 06/2009*
Fed, watered, exercised and medicated, respectively, cats and dogs boarded and/or housed for surgeries. Communicated progress and well being of patients and boarders to owners. Assisted veterinarians and technicians with minor treatments of patients and laboratory tests.

Academic Assitant, WVUIT, Montgomery, WV *08/2006 – 05/2007*
Assisted biology department faculty and department chair in setting up laboratories, cleaning and storing equipment, running errands. Maintained microbiology laboratory, inventory, and equipment. Instructed one microbiology laboratory session. Prepared cultures for labs and disposed of cultures and specimen after use.

Vice President **Analabs, Inc.** **2003 to Present**

As vice president, I oversee all aspects of the business including human resources, customer relations, services and new business development. My current main focus is the integrity and growth of Analabs. By developing a marketing strategy and increasing Analabs' level of technical capability and customer service, we are now experiencing a growth of more than 33% annually, even during a recession.

COMMUNITY SERVICE

- Upward Basketball Commissioner, Crab Orchard Baptist Church, 2005
- Upward Basketball Coach, Crab Orchard Baptist Church, 2006 – 2009
- Toddler/Kindergarten Church Coordinator, Crab Orchard Baptist Church, 2004 – Present
- Volunteer and Gold Sponsor of the Annual Charlie Williamson Memorial Triathlon
- Financial Supporter of many local youth sports programs and various other charitable organizations
- Career Day Volunteer, Beckley Elementary, 2009
- Member of Friends of Coal Ladies Auxiliary
- Member of Friends of Coal

- Certified Preparation Plant and Surface Electrician
- Certified to Inspect and Teach Re-Certification on Coal Refuse and Impoundment Inspection
- State and Nationally Certified Emergency Medical Technician
- Certified Breath Alcohol Trainer
- Certified D. O. T. Urine Collector
- Certified AEGIS Microbe Shield Applicator
- Certified Indoor Environmentalist

PROFESSIONAL ORGANIZATIONS

- Member American Society for Testing and Materials (ASTM)
- Member American Chemical Society
- Member American Water Works Association
- Member Association of Official Analytical Chemists
- Member Water Environment Federation
- Member West Virginia Rural Water Association
- Member American Industrial Hygiene Association
- Member of American Indoor Air Quality Association

ANALABS

Annissa J. Reiger
Laboratory Director

EDUCATION AND TRAINING

- B. A. in Biology, Berea College, Berea, KY. May 1991
- Acid Mine Drainage Seminar, University of Kentucky, Lexington, KY, June 1992
- WV Rural Water Association Symposium, Canaan Valley, WV, 1993, 1994, 1996
- Bacteriological Training, WV Department of Health and Human Resources, Office of Laboratory Services, Charleston, WV, September 1993
- EPA Conference on the Analysis of Pollutants in the Environment, Norfolk, VA, 1995
- EPA and American Chemical Society Conference, Washington, D. C., 1996
- FPIA Abused Drug Screening, Abbott Laboratories, Dallas, TX, 1998
- Responding to RFPs, Small Business Administration, Flatwoods, WV, 1998
- On-Site Drug Screening Analysis, MedTox Laboratories, 2000
- Breath Alcohol Testing Using Alco-Sensor IV/RBT IV Breathalyzer, Intoximeters, Inc., 1999
- Advanced Training for Inductively Coupled Plasma-Mass Spectrometer (ICP-MS), Perkin-Elmer Corporation, Atlanta, GA, 2003

TECHNICAL EXPERIENCE

Laboratory Director **Analabs, Inc.** **February 2000 to Present**
Guides the direction of the laboratory through the expansion of various departments. Develops new methods and techniques for use in the laboratory environment. Actively trains technicians in good laboratory practice and analytical processes.

Laboratory Supervisor **Analabs, Inc.** **June 1993 to February 2000**
Oversees activities of laboratory personnel. Inventories and orders lab supplies; authorizes equipment repair. Trains incoming employees in correct and safe laboratory procedures. Consults with clients who have technical questions or concerns.

Analyst **Analabs, Inc.** **June 1991 to June 1993**
Performs general lab procedures and wet chemistry using EPA accepted methods. Operates laboratory equipment, including an Atomic Absorption Spectrophotometer, a Flow-Injection Ion Analyzer, and a Gas Chromatograph. Proficient in the microbiological examination of drinking and wastewater.

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:**

___ 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,**

X 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:**

X 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: Annissa Reuger / Analabs, Inc. Signed: Annissa Reuger

Date: 11-16-10 Title: Lab Director

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

RFQ No. DEP15037

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: Analabs, Inc.

Authorized Signature: Annissa Reiger Date: 11-16-10

State of WV

County of Raleigh, to-wit:

Taken, subscribed, and sworn to before me this 16th day of November, 2012

My Commission expires November 29, 2012, 20__.

AFFIX SEAL HERE

NOTARY PUBLIC Lori M. Isom

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
LORI M. ISOM
ANALABS, INC.
P. O. BOX 1235
CRAB ORCHARD, WV 25827
My commission expires November 29, 2012