



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 23 - Laboratory

Proc Folder: 164659

Doc Description: Addendum No. 2 - Organic Analysis of Water and Soil

Proc Type: Central Master Agreement

Date issued	Solicitation Closes	Solicitation No	Version
2016-11-16	2016-11-30 13:30:00	CRFQ 0313 DEP1700000009	3

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

Reliance Laboratories, Inc.
 P. O. Box 4657, 2044 Meadowbrook Rd
 Bridgeport, WV
 304-842-5285

11/30/16 10:03:39
 WV Purchasing Division

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers
 (304) 558-2063
 michelle.l.childers@wv.gov

Signature X

FEIN #

55-0580040

DATE

11/29/2016

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

Addendum

Addendum No. 2 issued to publish and distribute the attached information to the vendor community.

The West Virginia Purchasing Division is soliciting bids on behalf of The West Virginia Department of Environmental Protection to establish an open end contract for Organic Analysis of Water and Soil Samples.

BUYER TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF ADMINISTRATION 601 57TH ST SE CHARLESTON WV25304 US		ENVIRONMENTAL PROTECTION 601 57TH ST CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Organic Analysis of Water and Soil				

Comm Code	Manufacturer	Specification	Model #
81102600			

Extended Description :

Organic Analysis of Water and Soil.

DEP1700000009	Document Phase Final	Document Description Addendum No. 2 - Organic Analysis of Water and Soil	Page 3 of 3
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of The West Virginia Department of Environmental Protection to establish an open end contract for Organic Analysis of Water and Soil Samples.
2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in Attachment A and section 2 of the General Terms and Conditions.
 - 2.1 “Contract Item” or “Contract Items” the list of items identified in Section 3.1 below and on the Pricing Pages
 - 2.2 “Pricing Pages” means the schedule of prices, estimated order quantity, and totals contained in wvOASIS or attached hereto as Exhibit A, and used to evaluate the Solicitation responses
 - 2.3 “Solicitation” means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
 - 2.4 “WVDEP” means the West Virginia Department of Environmental Protection.
 - 2.5 “MDL” means Method Detection Limit.
 - 2.6 “MRL” means Method Reporting Limit.
 - 2.7 “PQL” means Practical Quantitation Limit.
 - 2.8 “Blank Water” is deionized water which is treated as a sample. It is used to identify errors or contamination in sample collection and analysis.
 - 2.9 “Dry Weight” is when the laboratory has measured the moisture content of the sample, and calculated the concentration based on the percent solids present in the sample.
 - 2.10 “Shewhart Quality Control Charts” are graphical and analytic tools for monitoring process variation.

3. GENERAL REQUIREMENTS:

3.1. Contract Items and Mandatory Requirements: Vendors shall provide Agency with the Contract Items listed below on an open-end and continuing basis. This contract will be awarded to multiple vendors based on the need to have vendors located throughout the state in close proximity to various DEP offices. Contract Items must meet or exceed the mandatory requirements as shown below:

3.1.1. Organic analysis of water and soil samples.

3.1.1.1. Must have a chemist on staff experienced in organic water/soil analysis and its interpretation.

3.1.1.1.1 The chemist must have at minimum a bachelor's degree in chemistry and a minimum of two (2) years of experience in gas chromatography & mass spectrometry.

3.1.1.1.2 Compliance with experience requirements will be determined prior to contract award by the State through references provided by the Vendor with its bid or upon request, through knowledge or documentation of the Vendor's past projects, or some other method that the State determines to be acceptable.

3.1.1.1.3 Vendor should provide a current résumé which includes information regarding the number of years of qualification, experience and training, and relevant professional education for each individual that will be assigned to this project.

3.1.1.1.4 Vendor must provide any documentation requested by the State to assist in confirmation of compliance with this provision. References, documentation, or other information to confirm compliance with this experience requirement should be submitted with the vendors response, but may be requested after bid opening and prior to contract award

3.1.1.2. The laboratory must be certified by the Water Resources Quality Assurance Program. This includes any laboratories to which analyses are subcontracted. Submit proof of certification preferably with bid, but must be sent prior to award.

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- 3.1.1.3. The vendor must be accessible by telephone twenty-four (24) hours per day, seven (7) days per week.
- 3.1.1.4 The vendors must follow the Quality Control and Analytical Procedures outlined in Attachment A.
- 3.1.1.5 The vendors, who are awarded a contract, are solely responsible for the satisfactory completion of the work. The prime vendor shall be responsible for ensuring that any subcontractors have all the necessary permits, certifications (including WV State Laboratory certifications), experience and insurance to perform the work. All subcontractors must be approved by DEP before the subcontractor initiates work. The primary contractor must prove subcontractor's qualifications prior to award. All work performed by a subcontractor must be appropriately annotated on any submitted documentation. DEP will consider the vendors 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 in instances where the DEP may need specific information regarding an analytical method or results in a timely manner which the prime vendor may not be able to provide.
- 3.1.1.5.1 The subcontractors are not expected to be available twenty-four (24) hours a day, seven (7) days a week.
- 3.1.1.6 The vendors agree that any and all data, analyses, materials, reports or other information, oral or written, prepared by the vendors with respect to this requisition shall, except for information which has been publicly available, be treated as confidential and shall not be utilized, released, published, or disclosed, by the vendors at any time for any purpose whatsoever other than to provide consultation or other service to the DEP.
- 3.1.1.7 All analytical data submitted to DEP must be reported in MDLs, not PQLs.
- 3.1.1.8 Upon request, the vendors shall provide sample containers and field preservatives to the DEP at no charge.

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- 3.1.1.9 The DEP may, at their discretion, choose to deliver to the vendor's establishment rather than having them picked up by or delivered to the vendors.
- 3.1.1.10 If samples are to be shipped to the vendors by mail courier, the vendors will not be permitted to have any additional charges related to the shipping. These charges must be included in the cost.
- 3.1.1.11 All unit pricing quoted must be based on standard (not to exceed fourteen (14) calendar days) turn-around time.
- 3.1.1.12 Upon awarding the contract, each vendor shall provide one copy of the method detection limits (MDLs) and method reporting limits (MRL's) 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 seven (7) calendar days of the update(s) completion. If the vendor raises MDL's so that they no longer meet regulatory criteria, DEP reserves the right use another vendor. If a vendor fails to supply this information to the DEP, the DEP will not conduct business with that vendor until the information has been submitted.
- 3.1.1.13 The vendors 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 Shewhart Quality Control Charts (graphical and analytic tools for monitoring process variation).
- 3.1.1.14 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 the DEP, in writing, within ten (10) calendar days of the time of status change.
- 3.1.1.15 The laboratories will provide blank water to the DEP, at no charge, upon request.

- 3.1.1.16** Should MDLs lower than those listed on the contract be available, the vendor shall provide these lower detection levels when conducting analyses.
- 3.1.1.17** All soil sample analytical results shall be reported on a dry-weight basis.
- 3.1.1.18** Samples delivered by WVDEP shall be taken to the lab located closest to the sampling location that is capable of conducting all necessary analysis. For samples to be picked up at the DEP Offices, DEP shall contact the lab capable of conducting all necessary analysis at regulatory required MDL's that has the lowest unit price per pickup at that particular DEP Office location as established in the contract. DEP shall verify that these conditions have been met prior to issuing a release order for the services.

4. CONTRACT AWARD:

4.1 Contract Award: The Contract is intended to provide Agency with a purchase price on all Contract Items. The Contract shall be awarded to the Vendors that meet the specifications set forth in this RFQ. This award will be split if it is in the best interest of the DEP. The first evaluator should be the degradation of the sample time and the test required. If there is no holding time restriction, then selection of vendor will be based on lowest to highest bidder to do the test. If holding time is restricted, then selection of the vendor will be based on the lowest to highest bid, with the closest lowest bidder providing the service.

4.2 Pricing Pages: Vendors should complete the Pricing Pages by filling in the "Unit Price" box with the price per unit. The "Amount" box is filled in by multiplying the "Unit Price" with the "Quantity". Vendors should complete the Pricing Page in their entirety as failure to do so may result in Vendor's bid being disqualified.

The Pricing Pages contain a list of the Contract Items and estimated purchase volume. The estimated purchase volume of each item represents the approximate volume of anticipated purchases only. No future use of the Contract of any individual item is guaranteed or implied.

Vendor should electronically enter the information into the Pricing Pages through wvOASIS, if available, or as an electronic document. In most cases, vendors can request an electronic copy of the Pricing Pages for bid purposes by sending an email request to the following address:

5. ORDERING AND PAYMENT:

5.1 Ordering: Vendors shall accept orders through wvOASIS, regular mail, facsimile, e-mail, or any other written form of communication. Vendors may, but are not required to, accept on-line orders through a secure internet ordering portal/website. If Vendors have the ability to accept on-line orders, they should include in their response a brief description of how Agencies may utilize the on-line ordering system. Vendors shall ensure that their on-line ordering system is properly secured prior to processing Agency orders on-line.

5.1.1 Agency will issue an Agency Delivery Order (ADO) for sampling. Agency must use the lowest bid Vendor unless it is determined that the sample need is perishable. Agency must document in the ADO how selected Vendor was established and used.

5.2 Payment: Vendors shall accept payment in accordance with the payment procedures of the State of West Virginia.

6. DELIVERY AND RETURN:

6.1 Delivery Time: Vendors shall deliver standard orders within 14 working days after orders are received. Vendors shall deliver emergency orders within 1 working day(s) after orders are received. Vendors shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met.

6.2 Late Delivery: The Agency placing the order under this Contract must be notified in writing if orders will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the delayed order, and/or obtaining the items ordered from a third party.

Any Agency seeking to obtain items from a third party under this provision must first obtain approval of the Purchasing Division.

6.3 Delivery Payment/Risk of Loss: Standard order delivery shall be F.O.B. destination to the Agency's location. Vendors shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery. The Agency will pay delivery charges on all emergency orders provided that Vendors invoices those delivery costs as a separate charge with the original freight bill attached to the invoice.

6.4 Return of Unacceptable Items: If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the Agency to arrange for the return and reimburse Agency for delivery expenses.

If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.

- 6.5 Return Due to Agency Error:** Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

7. VENDOR DEFAULT:

7.1 The following shall be considered a vendor default under this Contract.

- 7.1.1** Failure to provide Contract Items in accordance with the requirements contained herein.
- 7.1.2** Failure to comply with other specifications and requirements contained herein.
- 7.1.3** Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.
- 7.1.4** Failure to remedy deficient performance upon request.

7.2 The following remedies shall be available to Agency upon default.

- 7.2.1** Immediate cancellation of the Contract.
- 7.2.2** Immediate cancellation of one or more release orders issued under this Contract.

7.2.3 Any other remedies available in law or equity.

8. MISCELLANEOUS:

- 8.1 No Substitutions:** Vendor shall supply only Contract Items submitted in response to the Solicitation unless a contract modification is approved in accordance with the provisions contained in this Contract.
- 8.2 Vendor Supply:** Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.
- 8.3 Reports:** Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.
- 8.4 Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Tenley Miller

Telephone Number: 304-842-5285

Fax Number: 304-842-5351

Email Address: tmiller@wvdsi.net

Exhibit A Bid Schedule
ORGANIC ANALYSIS OF WATER AND SOIL

ITEM NO.	DESCRIPTION	UNIT of MEASURE	UNIT PRICE	ESTIMATE D QUANTITY	EXTENDED COST
1.0	Method 601, Purgeable Halocarbons - See Attachment A				
1.1	Single compound analysis cost	per sample	N/A	12	N/A
1.2	Up to 10 compounds then complete list cost applies	per sample	N/A	12	N/A
1.3	Complete list cost	per sample	N/A	12	N/A
2.0	Method 602, Purgeable Aromatics - See Attachment A				
2.1	Single compound analysis cost	per sample	N/A	15	N/A
2.2	Complete list cost	per sample	N/A	15	N/A
3.0	Method 603, Acrolein & Acrylonitrile - See Attachment A				
3.1	Single compound analysis cost	per sample	N/A	15	N/A
3.2	Complete list cost	per sample	N/A	15	N/A
4.0	Method 604, Phenols - See attachment A				
4.1	Single compound analysis cost	per sample	N/A	20	N/A
4.2	Up to 10 compounds then complete list cost applies	per sample	N/A	20	N/A
4.3	Complete list cost	per sample	N/A	20	N/A
5.0	Method 605, Benzidines - See Attachment A				
5.1	Single compound analysis cost	per sample	N/A	12	N/A
5.2	Complete list cost	per sample	N/A	12	N/A
6.0	Method 606, Phthalate Esters - See Attachment A				
6.1	Single compound analysis cost	per sample	N/A	12	N/A
6.2	Complete list cost	per sample	N/A	12	N/A
7.0	Method 607, Nitrosamines - See Attachment A				
7.1	Single compound analysis cost	per sample	N/A	12	N/A
7.2	Complete list cost	per sample	N/A	12	N/A
8.0	Method 608, Organochlorine Pesticides & PCBs - See Attachment A				
8.1	Single compound analysis cost	per sample	N/A	15	N/A
8.2	Up to 10 compounds then complete list cost applies	per sample	N/A	15	N/A
8.3	Complete list cost	per sample	N/A	15	N/A
9.0	Method 609, Nitroaromatics & Isophorone - See Attachment A				
9.1	Single compound analysis cost	per sample	N/A	12	N/A
9.2	Complete list cost	per sample	N/A	12	N/A
10.0	Method 610, Polynuclear Aromatic Hydrocarbons - See Attachment A				
10.1	Single compound analysis cost	per sample	N/A	20	N/A
10.2	Up to 10 compounds then complete list cost applies	per sample	N/A	20	N/A
10.3	Complete list cost	per sample	N/A	20	N/A
11.0	Method 611, Halothens - See Attachment A				
11.1	Single compound analysis cost	per sample	N/A	12	N/A
11.2	Complete list cost	per sample	N/A	12	N/A
12.0	Method 612, Chlorinated hydrocarbons - See Attachment A				

ITEM NO.	DESCRIPTION	UNIT of MEASURE	UNIT PRICE	ESTIMATE D QUANTITY	EXTENDED COST
12.1	Single compound analysis cost	per sample	N/A	12	N/A
12.2	Complete list cost	per sample	N/A	12	N/A
13.0	Method 613, 2,3,7,8 Tetrachlorodibenzo-P-dioxin - See Attachment A				
13.1	Single compound analysis cost	per sample	N/A	12	N/A
14.0	Method 613, Tetra-through Octa-Chlorinated Dibenzo-P-dioxins (CDDs) & Dibenzofurans (CDFs) - See Attachment A				
14.1	Complete list cost	per sample	N/A	12	N/A
15.0	Method 624, Purgeables - See Attachment A				
15.1	Single compound analysis cost	per sample	35.00	20	700.00
15.2	Up to 10 compounds then complete list cost applies	per sample	5.00	20	100.00
15.3	Complete list cost	per sample	110.00	20	2200.00
16.0	Method 625, Base/Neutrals Extractables - See Attachment A				
16.1	Single compound analysis cost	per sample	50.00	12	600.00
16.2	Up to 10 compounds then complete list cost applies	per sample	5.00	12	60.00
16.3	Complete list cost	per sample	125.00	12	1500.00
17.0	Method 625, Acid Extractables - See Attachment A				
17.1	Single compound analysis cost	per sample	50.00	12	600.00
17.2	Up to 10 compounds then complete list cost applies	per sample	5.00	12	60.00
17.3	Complete list cost	per sample	125.00	12	1500.00
18.0	Method 8015B - See Attachment A				
18.1	Single compound analysis cost	per sample	35.00	20	700.00
18.2	Up to 10 compounds then complete list cost applies	per sample	5.00	20	100.00
18.3	Complete list cost	per sample	110.00	20	2200.00
19.0	Method 8041, Phenols by GC - See Attachment A				
19.1	Single compound analysis cost	per sample	N/A	12	N/A
19.2	Up to 10 compounds then complete list cost applies	per sample	N/A	12	N/A
19.3	Complete list cost	per sample	N/A	12	N/A
20.0	Method 8100, Polynuclear Aromatic Hydrocarbons - See Attachment A				
20.1	Single compound analysis cost	per sample	N/A	20	N/A
20.2	Up to 10 compounds then complete list cost applies	per sample	N/A	20	N/A
20.3	Complete list cost	per sample	N/A	20	N/A
21.0	Method 8121, Chlorinated Hydrocarbons - See Attachment A				
21.1	Single compound analysis cost	per sample	N/A	12	N/A
21.2	Up to 10 compounds then complete list cost applies	per sample	N/A	12	N/A
21.3	Complete list cost	per sample	N/A	12	N/A
22.0	Method 8151A, Chlorinated Herbicides - See Attachment A				
22.1	Single compound analysis cost	per sample	N/A	12	N/A
22.2	Up to 10 compounds then complete list cost applies	per sample	N/A	12	N/A
22.3	Complete list cost	per sample	N/A	12	N/A
23.0	Method 8260, - See Attachment A				

ITEM NO.	DESCRIPTION	UNIT of MEASURE	UNIT PRICE	ESTIMATE D QUANTITY	EXTENDED COST
23.1	Search for additional tentatively identified compounds	per sample	10.00	15	150.00
23.2	Single compound analysis cost	per sample	40.00	15	600.00
23.3	Up to 10 compounds then complete list cost applies	per sample	5.00	15	75.00
23.4	Complete list cost	per sample	115.00	15	1725.00
23.5	GC-MS Scan per TIC, report TICS that are detected at 10% of the area of the nearest internal standard	per sample	10.00	15	150.00
24.0	Method 8270, - See Attachment A				
24.1	Search for additional tentatively identified compounds	per sample	10.00	15	150.00
24.2	Single compound analysis cost	per sample	65.00	15	975.00
24.3	Up to 10 compounds then complete list cost applies	per sample	5.00	15	75.00
24.4	Complete list cost	per sample	195.00	15	2925.00
24.5	GC-MS Scan per TIC, report TICS that are detected at 10% of the area of the nearest internal standard	per sample	10.00	15	150.00
25.0	Method 8310, Polynuclear Aromatic Hydrocarbons by HPLC - See Attachment A				
25.1	Single compound analysis cost	per sample	N/A	15	N/A
25.2	Up to 10 compounds then complete list cost applies	per sample	N/A	15	N/A
25.3	Complete list cost	per sample	N/A	15	N/A
26.0	TCLP RCRA Pesticides & Herbicides EPA 1311/SW846 - See Attachment A				
26.1	Single compound analysis cost	per sample	N/A	12	N/A
26.2	Complete list cost	per sample	N/A	12	N/A
27.0	TCLP RCRA Metals EPA 1311/SW846 - See Attachment A				
27.1	Single compound analysis cost	per sample	75.00	24	1800.00
27.2	Complete list cost	per sample	180.00	24	4320.00
28.0	TCLP Volatile Organics 8260 with 1311 extraction - See Attachment A				
28.1	Single compound analysis cost	per sample	75.00	20	1500.00
28.2	Up to 10 compounds then complete list cost applies	per sample	5.00	20	100.00
28.3	Complete list cost	per sample	170.00	20	3400.00
29.0	TCLP Semi-Volatile Organics 8720 with 1311 extraction - See Attachment A				
29.1	Single compound analysis cost	per sample	95.00	12	1140.00
29.2	Up to 10 compounds then complete list cost applies	per sample	5.00	12	60.00
29.3	Complete list cost	per sample	200.00	12	2400.00
30.0	RCRA General Chemistry - See Attachment A				
30.1	Single compound analysis cost	per sample	25.00	12	300.00
30.2	Complete list cost	per sample	80.00	12	960.00
31.0	Metals/Cyanide Target Analyte List (TAL)-Low level option EPA 200.7/SW 7470/7471				
31.1	Single compound analysis cost	per sample	10.00	12	120.00
31.2	Complete list cost	per sample	180.00	12	2160.00
32.0	Priority Pollutant Metals (low level option-Mercury) Water				
		per sample	25.00	10	250.00

ITEM NO.	DESCRIPTION	UNIT of MEASURE	UNIT PRICE	ESTIMATE D QUANTITY	EXTENDED COST
33.0	Priority Pollutant Metals-(low level option-Mercury) Soil	per sample	25.00	10	250.00
	Quick Packages				
34.0	8081A Organochlorine Pesticides GC	per sample	N/A	10	N/A
35.0	8280 PCBs by GC	per sample	N/A	10	N/A
36.0	8061A Phthalate Esters by GC/EDC	per sample	N/A	10	N/A
37.0	8270 PAH by GC/MS	per sample	80.00	10	800.00
37.a	PAH by GC/MS - 8270 SIM	per sample	80.00	20	1600.00
38.0	8260B Semivolatile Organics by GC/MS	per sample	115.00	20	2300.00
39.0	8270C Semivolatile Organics by GC/MS	per sample	195.00	20	3900.00
39.a	Semivolatile Organics by GC/MS - 8270 SIM	per sample	195.00	20	3900.00
40.0	BTEX (8021B/8260B)	per sample	40.00	30	1200.00
41.0	BTEX (8021B)/MTBE (8021B)	per sample	40.00	30	1200.00
42.0	BTEX (8021B)/GRO (8015B)	per sample	50.00	30	1500.00
43.0	BTEX (8021B)/DRO/GRO (8015B)	per sample	85.00	30	2550.00
44.0	BTEX (8021B)/GRO (8015B)/MTBE (8021B)	per sample	50.00	30	1500.00
45.0	BTEX (8021B)/DRO/GRO (8015B)/MTBE (8021B)	per sample	85.00	30	2550.00
46.0	BTEX/MTBE/TBA/EDB/EDC by 8260B (SIM)	per sample	50.00	30	1500.00
47.0	TPH-ORO (8015B)	per sample	40.00	10	400.00
48.0	TPH-GRO (8015B)	per sample	40.00	10	400.00
49.0	TPH-DRO (8015B)	per sample	40.00	10	400.00
50.0	TPH-DRO/ORO (8015B)	per sample	60.00	10	600.00
51.0	TPH-GRO/DRO (8015B)	per sample	80.00	10	800.00
52.0	TPH-GRO/DRO/ORO (8015B)	per sample	85.00	20	1700.00
	CONSTITUENTS FOR PHASE I DETECTION MONITORING				
53.0	Cost (Groundwater only) per set: - See Attachment A				
53.1	Search for additional tentatively identified compounds	per sample	10.00	12	120.00
53.2	Single compound analysis cost	per sample	50.00	12	600.00
53.3	Up to 10 compounds then complete list cost applies	per sample	5.00	12	60.00
53.4	Total cost Phase I complete list	per sample	420.00	12	5040.00

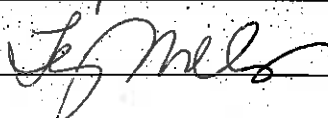
ITEM NO.	DESCRIPTION	UNIT of MEASURE	UNIT PRICE	ESTIMATE D QUANTITY	EXTENDED COST
54.0	Priority Pollutants by SW-846 Protocol Analysis				
54.1	Priority Pollutant Volatiles	per sample	115.00	12	1380.00
54.2	Priority Pollutant Semi-Volatiles	per sample	195.00	12	2340.00
54.3	Priority Pollutant Pesticides/PCBs	per sample	105.00	12	1260.00
54.4	Priority Pollutant Inorganics	per sample	85.00	12	1020.00
54.5	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodibenzo-p-Dioxin) quoted at time of analysis	per sample	500.00	12	6000.00
55.0	Total Toxic Organics (TTO) by SW-846 Protocol Analysis				
55.1	TTO Volatiles	per sample	115.00	12	1380.00
55.2	TTO Semi-Volatiles	per sample	195.00	12	2340.00
55.3	TTO Pesticides/PCBs	per sample	105.00	12	1260.00
55.4	TTO Inorganics	per sample	N/A	12	N/A
55.5	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodibenzo-p-Dioxin) quoted at time of analysis	per sample	415.00	12	4980.00
56.0	Target Compounds List (TCL) Analysis				
56.1	TCL Volatiles	per sample	115.00	12	1380.00
56.2	TCL Semi-Volatiles	per sample	195.00	12	2340.00
56.3	TCL Pesticides/PCBs	per sample	105.00	12	1260.00
56.4	TCL Inorganics	per sample	165.00	12	1980.00
56.5	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodibenzo-p-Dioxin) quoted at time of analysis	per sample	580.00	12	6960.00
57.0	Hazardous Waste Characterizations Analysis				
57.1	Reactivity	per sample	60.00	12	720.00
57.2	Ignitability	per sample	30.00	12	360.00
57.3	Corrosivity (pH)	per sample	7.00	12	84.00
57.4	Corrosivity (NACE)	per sample	N/A	12	N/A
57.5	BTU	per sample	N/A	12	N/A
57.6	TCLP	per sample	550.00	12	6600.00
57.7	Total Package Cost	per sample	647.00	12	7764.00
58.0	TCLP Extractions Analysis				
58.1	Percent Solids (metals, semi-volatiles, volatiles, pesticides, herbicides)	per sample	8.00	15	120.00
58.2	Characterization Extraction (metals, semi-volatiles, pesticides, herbicides)	per sample	25.00	15	375.00
58.3	Zero Headspace Extraction (volatiles)	per sample	50.00	15	750.00
59.0	TCLP Analysis - Analysis				
59.1	TCLP Metals quantified to 10% of TCLP levels	per sample	185.00	20	3700.00
59.2	TCLP-Mercury	per sample	75.00	20	1500.00
59.3	TCLP-Individual Metal	per sample	75.00	20	1500.00
59.4	Additional Metals (Flame, Furnace, ICP, ICP-MS)	per sample	10.00	20	200.00
59.5	Analysis by Standard Method of Addition (per metal)	per sample	10.00	20	200.00
59.6	TCLP Pb characterization (includes extraction fees)	per sample	75.00	20	1500.00
59.7	TCLP Volatile Organics	per sample	170.00	20	3400.00
59.8	TCLP Semi-Volatile Organics	per sample	200.00	20	4000.00
59.9	TCLP Pesticides/Herbicides	per sample	N/A	20	N/A
59.10	TCLP Pesticides	per sample	N/A	20	N/A

ITEM NO.	DESCRIPTION	UNIT of MEASURE	UNIT PRICE	ESTIMATE D QUANTITY	EXTENDED COST
59.11	TCLP Herbicides	per sample	N/A	20	N/A
59.12	Full TCLP	per sample	550.00	20	11000.00
	NOTE: Multiphasic samples will be subject to additional extraction and analytical fee	per sample			
PHASE II ASSESSMENT MONITORING (groundwater only)					
60.0	See Attachment A				
60.1	Search for additional tentatively identified compounds	per sample	15.00	12	180.00
60.2	Single compound analysis cost	per sample	90.00	12	1080.00
60.3	Up to 10 compounds then complete list cost applies	per sample	10.00	12	120.00
60.4	Total cost Phase II complete list	per sample	625.00	12	7500.00
61.0	Encore Sampling Kits (each)	each	20.00	12	240.00
62.0	Terra Core Sampling Kits (each)	each	10.00	12	120.00
Collection of Samples-Cost associated with collecting samples from DEP offices per pick-up					
63.0	Charleston Office, 601 57th St., SE, Charleston, WV 25304	per trip	50.00	24	1200.00
64.0	Teays Office, P.O. Box 662, Teays, WV 25596	per trip	50.00	24	1200.00
65.0	Fairmont Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554	per trip	0.00	24	0.00
66.0	Romney Office, HC 63, Box 2545, Romney, WV 26757	per trip	0.00	24	0.00
67.0	French Creek Office, P.O. Box 38, French Creek, WV 26218	per trip	0.00	24	0.00
68.0	Wheeling Office, 131A Peninsula St., Wheeling, WV 26003	per trip	0.00	24	0.00
69.0	Parkersburg Office, 2311 Ohio Ave., Parkersburg, WV 26010	per trip	0.00	24	0.00
70.0	Oak Hill Office, 116 Industrial Dr., Oak Hill, WV 25901	per trip	50.00	24	1200.00
71.0	24 Hour Turn-Around Rush Order percentage markup, per sample	per sample	100.00	\$500.00	\$
72.0	48 Hour Turn-Around Rush Order percentage markup, per sample	per sample	50.00	\$500.00	\$
73.0	72 Hour Turn Around Rush Order percentage markup, per sample	per sample	50.00	\$500.00	\$
TOTAL Bid Amount:					163168.00

Quantities listed on the bid schedule are for bid evaluation purposes only and are not a guarantee of quantities to be ordered over the life of the contract. Actual quantities may be more or less than those stated on this schedule. Note: Modification of this pricing page will result in vendor disqualification.

Company: Reliance Laboratories, Inc.

Name: Tenley Miller

Signature: 

Date: 11/28/2016

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 Vendor Preference, if applicable.

1. Application is made for 2.5% vendor preference for the reason checked:

Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,

Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,

Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,

2. Application is made for 2.5% 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% 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% 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% 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% 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.

7. Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with *West Virginia Code* §5A-3-59 and *West Virginia Code of State Rules*.

Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

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: 11/28/2016

Title: President

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Tenley Miller, President
 (Name, Title)
Tenley Miller, President
 (Printed Name and Title)
P.O. Box 4657 Bridgeport WV 26330
 (Address)
304-842-5285 / 304-842-5351
 (Phone Number) / (Fax Number)
TMiller@wvds1.net
 (email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Reliance Laboratories, Inc.
 (Company)

Tenley Miller, President
 (Authorized Signature) (Representative Name, Title)

Tenley Miller, President
 (Printed Name and Title of Authorized Representative)

11/28/2016
 (Date)

304-842-5285 304-842-5351
 (Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

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.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"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 exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Reliance Laboratories, Inc

Authorized Signature: [Signature] Date: 11/16/2016

State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 16 day of November, 2016

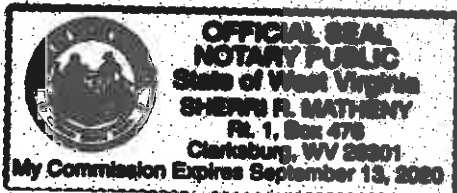
My Commission expires September 13, 2020

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature: Sheri R. Matheny]

Purchasing Affidavit (Revised 08/01/2015)



ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DEP1700000009

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Reliance Laboratories, Inc.

Company

J. Miller

Authorized Signature

11/28/2016

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
Revised 6/8/2012



Reliance Laboratories, Inc.
 2044 Meadowbrook Road | P.O. Box 4657
 Bridgeport, WV 26330
 Phone: 304.842.5285 | Fax: 304.842.5351

Martinsburg Laboratory
 Ridgefield Business Center | 25 Crimson Circle
 Martinsburg, WV 25403
 Phone: 304.596.2084 | Fax: 304.596.2086

Certifications: WV Department of Health #: 00354, 00443 | WV Department of Environmental Protection #: 158, 181
 MD Department of Environment #: 336, 337 | US Environmental Protection Agency #: WV00042, WV00901

Environmental Analysts and Consultants

RelianceLabs@wvdsi.net | www.RelianceLabs.net

Name		Experience
Tenley Miller, President	B.S. Chemistry	16 years
Crystal Parker, Supervisory Analyst	B.S. Biology	16 years
Tracey Hanshaw, Analyst	B.S. Vet Science	9 years
Justin Lung, Analyst	B.S. Env. Science	3 years
Aaron Bugby, Analyst	B.S. Biology	1 year
Alison Auvil, Supervisor	HS/ETC	14 years
Adam Bixler, Analyst	B.S. Biology	10 years
Gabe Miller, Vice President	B.S./MBA	8 years
Ashley Fleeman, Office	HS	5 years
Robin Leeper, Field Technician	AS	5 years
Megan Ramirez, Office	HS	7 years

Attachment I

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

List of Certified Parameters
for

RELIANCE LABORATORIES - BRIDGEPORT
BRIDGEPORT, WEST VIRGINIA

PARAMETERS CERTIFIED

NONPOTABLE WATER INORGANIC NONMETALS

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Acidity	SM2310 B-97	Titrimetric
Alkalinity	SM2320 B-97	Titrimetric
Ammonia	ASTM D6919-03	IC
Ammonia	SM4500-NH3 B-97	Distillation
Ammonia	SM4500-NH3 C-97	Titrimetric
Bromide	EPA300.0 Rev 2.1-1993	IC
Carbon, Total Organic (TOC)	SM5310 C-00	Oxidation
Chloride	EPA300.0 Rev 2.1-1993	IC
Chloride	SM4500-Cl B-97	Titrimetric
Chlorine, Residual	HACH 8167	Spectrophotometric
Chlorine, Residual	SM4500-Cl G-00	Spectrophotometric
Chromium, Hexavalent	EPA218.6 Rev 3.3-1994	IC
Chromium, Hexavalent	SM3500 Cr B-09	Spectrophotometric
Color	SM2120 B-01	Visual Comparison
Conductance, Specific	EPA120.1 Rev 1982	Probe
Cyanide, Amenable to Chlorination	SM4500-CN E-99	Spectrophotometric
Cyanide, Amenable to Chlorination	SM4500-CN G-99	Distillation
Cyanide, Total	SM4500-CN C-99	Distillation
Cyanide, Total	SM4500-CN E-99	Spectrophotometric
Cyanide, Weak Acid Dissociable	SM4500-CN E-99	Spectrophotometric
Cyanide, Weak Acid Dissociable	SM4500-CN I-99	Distillation
Fluoride	EPA300.0 Rev 2.1-1993	IC
Hardness, Calcium	SM2340 B-97	Calculation
Hardness, Total	SM2340 B-97	Calculation
Hardness, Total	SM2340 C-97	Titrimetric
Nitrate	EPA300.0 Rev 2.1-1993	IC
Nitrate-Nitrite	EPA300.0 Rev 2.1-1993	Calculation
Nitrite	EPA300.0 Rev 2.1-1993	IC
Nitrogen, Total Kjeldahl (TKN)	SM4500-NH3 B-97	Distillation
Nitrogen, Total Kjeldahl (TKN)	SM4500-NH3 C-97	Titrimetric
Nitrogen, Total Kjeldahl (TKN)	SM4500-Norg B-97	Digestion
Oil & Grease	EPA1664 A	Gravimetric
Oxygen Demand, Biochemical (BOD)	SM5210 B-01	Probe

ANALYTE

Oxygen Demand, Chemical (COD)
Oxygen, Dissolved
Oxygen, Dissolved
pH (Hydrogen Ion)
Phenolics, Total
Phosphorus, Ortho
Phosphorus, Total
Phosphorus, Total
Phosphorus, Total
Solids, Dissolved
Solids, Settleable
Solids, Suspended
Solids, Total
Solids, Volatile
Sulfate
Sulfate
Sulfide
Sulfite
Surfactants (MBAS)
Temperature
Turbidity

METHOD

EPA410.4 Rev 2.0-1993
HACH 10360
SM4500-O G-01
SM4500-H B-00
EPA420.1 Rev 1978
EPA300.0 Rev 2.1-1993
HACH 10210
SM4500-P B(5)-99
SM4500-P E-99
SM2540 C-97
SM2540 F-97
SM2540 D-97
SM2540 B-97
EPA160.4
ASTM D516-02
EPA300.0 Rev 2.1-1993
SM4500-S F-00
SM4500-SO3 B-00
SM5540 C-00
SM2550 B-00
SM2130 B-01

TECHNOLOGY

Spectrophotometric
LDO Probe
Probe
Electrode
Spectrophotometric
IC
Spectrophotometric
Digestion
Spectrophotometric
Gravimetric
Imhoff
Gravimetric
Gravimetric
Gravimetric
Turbidimetric
IC
Titrimetric
Titrimetric
Spectrophotometric
Thermometric
Turbidimetric

NONPOTABLE WATER TRACE METALS

METAL

Aluminum
Aluminum
Antimony
Antimony
Arsenic
Arsenic
Barium
Barium
Beryllium
Beryllium
Boron
Boron
Cadmium
Cadmium
Calcium
Calcium
Chromium
Chromium
Cobalt
Cobalt
Copper
Copper
Iron
Iron
Lead
Lead

METHOD

EPA200.7 Rev 4.4-1994
EPA200.8 Rev 5.4-1994
EPA200.7 Rev 4.4-1994
EPA200.8 Rev 5.4-1994
EPA200.7 Rev 4.4-1994
EPA200.8 Rev 5.4-1994
EPA200.7 Rev 4.4-1994
EPA200.8 Rev 5.4-1994
EPA200.7 Rev 4.4-1994
EPA200.8 Rev 5.4-1994
EPA200.7 Rev 4.4-1994
EPA200.8 Rev 5.4-1994
EPA200.7 Rev 4.4-1994
EPA200.8 Rev 5.4-1994
EPA200.7 Rev 4.4-1994
EPA200.8 Rev 5.4-1994
EPA200.7 Rev 4.4-1994
EPA200.8 Rev 5.4-1994
EPA200.7 Rev 4.4-1994
EPA200.8 Rev 5.4-1994
EPA200.7 Rev 4.4-1994
EPA200.8 Rev 5.4-1994
EPA200.7 Rev 4.4-1994
EPA200.8 Rev 5.4-1994

TECHNOLOGY

ICP
ICP-MS
ICP
ICP-MS
ICP
ICP-MS
ICP
ICP-MS
ICP-MS
ICP
ICP-MS
ICP-MS
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ICP-MS

<u>METAL</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Magnesium	EPA200.7 Rev 4.4-1994	ICP
Magnesium	EPA200.8 Rev 5.4-1994	ICP-MS
Manganese	EPA200.7 Rev 4.4-1994	ICP
Manganese	EPA200.8 Rev 5.4-1994	ICP-MS
Mercury	EPA1631 E	CVAF
Mercury	EPA245.1 Rev 3.0-1994	CVAA
Molybdenum	EPA200.7 Rev 4.4-1994	ICP
Molybdenum	EPA200.8 Rev 5.4-1994	ICP-MS
Nickel	EPA200.7 Rev 4.4-1994	ICP
Nickel	EPA200.8 Rev 5.4-1994	ICP-MS
Potassium	EPA200.7 Rev 4.4-1994	ICP
Potassium	EPA200.8 Rev 5.4-1994	ICP-MS
Selenium	EPA200.7 Rev 4.4-1994	ICP
Silicon	EPA200.7 Rev 4.4-1994	ICP
Silver	EPA200.7 Rev 4.4-1994	ICP
Silver	EPA200.8 Rev 5.4-1994	ICP-MS
Sodium	EPA200.7 Rev 4.4-1994	ICP
Sodium	EPA200.8 Rev 5.4-1994	ICP-MS
Strontium	EPA200.7 Rev 4.4-1994	ICP
Strontium	EPA200.8 Rev 5.4-1994	ICP-MS
Thallium	EPA200.7 Rev 4.4-1994	ICP
Thallium	EPA200.8 Rev 5.4-1994	ICP-MS
Tin	EPA200.7 Rev 4.4-1994	ICP
Tin	EPA200.8 Rev 5.4-1994	ICP-MS
Vanadium	EPA200.7 Rev 4.4-1994	ICP
Vanadium	EPA200.8 Rev 5.4-1994	ICP-MS
Zinc	EPA200.7 Rev 4.4-1994	ICP
Zinc	EPA200.8 Rev 5.4-1994	ICP-MS

NONPOTABLE WATER MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Coliform, Fecal (MF)	SM9222 D-97	Membrane Filter
Heterotrophic Plate Count (HPC)	SM9215 B-00	Pour Plate

NONPOTABLE WATER VOLATILE ORGANIC CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Halogenated & Aromatic Volatiles	SW8021B	GC
Purge & Trap For Aqueous Samples	SW5030B	Extraction
Purgeables	EPA624	GC/MS
Total Petroleum Hydrocarbons (GRO)	SW8015B	GC/FID
Volatile Organic Compounds	SW8260B	GC/MS

NONPOTABLE WATER EXTRACTABLE AND SEMI-VOLATILE ORGANIC CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Separatory Funnel Liquid-Liquid	SW3510C	Extraction
Solid Phase Extraction	SW3535A	Extraction
Total Petroleum Hydrocarbons (DRO)	SW8015B	GC/FID

HAZARDOUS WASTE CHARACTERISTICS

<u>PROCEDURE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Corrosivity	SW9040C	Electrode
Ignitability	SW1010A	Closed Cup
Paint Filter Test	SW9095B	Gravimetric
TCLP- Metals & Organics	SW1311	Extraction

SOLID AND CHEMICAL INORGANIC NONMETALS

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Ammonia	SM4500-NH3 B-97	Distillation
Ammonia	SM4500-NH3 C-97	Titrimetric
Cyanide, Total	SW9010B	Distillation
Cyanide, Total	SW9013	Extraction
Cyanide, Total	SW9014	Titrimetric
Nitrogen, Total Kjeldahl (TKN)	SM4500-NH3 B-97	Distillation
Nitrogen, Total Kjeldahl (TKN)	SM4500-NH3 C-97	Titrimetric
Nitrogen, Total Kjeldahl (TKN)	SM4500-Norg B-97	Digestion
pH (Hydrogen Ion)	SW9045D	Electrode
Phosphorus, Total	SM4500-P B(5)-99	Digestion
Phosphorus, Total	SM4500-P E-99	Spectrophotometric
Solids, Total, Fixed, & Volatile	SM2540 G-97	Gravimetric

SOLID AND CHEMICAL TRACE METALS

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

SOLID AND CHEMICAL MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Coliform, Fecal (MF)	SM9222 D-97	Membrane Filter

SOLID AND CHEMICAL VOLATILE ORGANIC CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Closed System Purge & Trap	SW5035	Extraction
Halogenated & Aromatic Volatiles	SW8021B	GC
Total Petroleum Hydrocarbons (GRO)	SW8015B	GC/FID

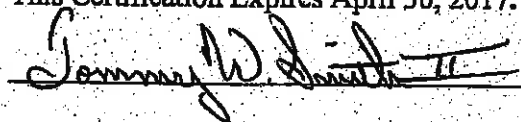
SOLID AND CHEMICAL EXTRACTABLE AND SEMI-VOLATILE ORGANIC CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Total Petroleum Hydrocarbons (DRO)	SW8015B	GC/FID
Ultrasonic	SW3550C	Extraction

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, 2017.

Certificate No 158



Issued on July 12, 2016

Tommy W. Smith II
Quality Assurance Officer

NOTE: This Attachment I supersedes & voids all previous Attachment I documents issued by WV DEP.