



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 2

List View

General Information Contact Default Values Discount Document Information

Procurement Folder: 715432

SO Doc Code: CRFQ

Procurement Type: Central Master Agreement

SO Dept: 0313

Vendor ID: 000000184626

SO Doc ID: DEP2000000035

Legal Name: PACE ANALYTICAL SERVICES LLC

Published Date: 5/1/20

Alias/DBA:

Close Date: 5/20/20

Total Bid: \$616,445.00

Close Time: 13:30

Response Date: 05/18/2020

Status: Closed

Response Time: 11:20

Solicitation Description: Inorganic Analysis of Water and Soil

Total of Header Attachments: 2

Total of All Attachments: 2



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

State of West Virginia
Solicitation Response

Proc Folder : 715432

Solicitation Description : Inorganic Analysis of Water and Soil

Proc Type : Central Master Agreement

Date issued	Solicitation Closes	Solicitation Response	Version
	2020-05-20 13:30:00	SR 0313 ESR05182000000006734	1

VENDOR

000000184626

PACE ANALYTICAL SERVICES LLC

Solicitation Number: CRFQ 0313 DEP20000000035

Total Bid : \$616,445.00

Response Date: 2020-05-18

Response Time: 11:20:55

Comments:

FOR INFORMATION CONTACT THE BUYER

Guy Nisbet
(304) 558-2596
guy.l.nisbet@wv.gov

Signature on File

FEIN #

DATE

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Analysis of Soil and Water Samples	1.00000	EA	\$616,445.000000	\$616,445.00

Comm Code	Manufacturer	Specification	Model #
81102600			

Extended Description :	Analysis of Soil and Water Samples as outlined on the attached bid sheet.
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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: 715432

Doc Description: Inorganic Analysis of Water and Soil

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2020-05-01	2020-05-20 13:30:00	CRFQ 0313 DEP2000000035	1

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:

PACE Analytical Services LLC
P.O. Box 286
Beaver, WV 25813
304-255-2500

FOR INFORMATION CONTACT THE BUYER

Guy Nisbet

(304) 558-2596

guy.l.nisbet@wv.gov

Signature X

FEIN #

41-1821617

DATE

5-18-2020

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

ADDITIONAL INFORMATION:

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 Inorganic Analysis of Water and Soil Samples per the terms and conditions and specifications as attached.

INVOICE 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	Analysis of Soil and Water Samples	1.00000	EA		\$616,445.00

Comm Code	Manufacturer	Specification	Model #
81102600			

Extended Description :

Analysis of Soil and Water Samples as outlined on the attached bid sheet.

DEP2000000035	Document Phase Final	Document Description Inorganic 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

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.

Jason Clark - Sales Manager
(Name, Title)

Jason Clark - Sales Manager
(Printed Name and Title)

P.O. Box 286 Beaver, WV 25813
(Address)

304-255-2500 / 304-255-2572
(Phone Number) / (Fax Number)

Jason.Clark@pace labs .com
(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.

Page Analytical Services LLC
(Company)

Richard Clinkscale, GM
(Authorized Signature) (Representative Name, Title)

Richard Clinkscale, GM
(Printed Name and Title of Authorized Representative)

5-18-2020
(Date)

304-255-2500 / 304-255-2572
(Phone Number) (Fax Number)

REQUEST FOR QUOTATION
Inorganic Analysis of Water and Soil Samples

- 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: _____

Jason Clark

REQUEST FOR QUOTATION
Inorganic Analysis of Water and Soil Samples

Telephone Number: 304-255-2500

Fax Number: 304-255-2572

Email Address: Jason.Clark@pace labs.com

West Virginia Ethics Commission



Disclosure of Interested Parties to Contracts

Pursuant to *W. Va. Code* § 6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$1 million or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply:

"Business entity" means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation, but does not include publicly traded companies listed on a national or international stock exchange.

"Interested party" or *"Interested parties"* means:

- (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors;
- (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
- (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

"State agency" means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education: Provided, that for purposes of *W. Va. Code* § 6D-1-2, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: ethics@wv.gov; website: www.ethics.wv.gov.

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: PACE Analytical Address: P.O. Box 286
Beaver, WV 25813

Name of Authorized Agent: Richard Clinkscales Address: P.O. Box 286 Beaver, WV 25813

Contract Number: DEP 2000000035 Contract Description: Inorganic Analysis of Water
soil

Governmental agency awarding contract: WV DEP

☐ Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

☒ Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

☒ Check here if none, otherwise list entity/individual names below.

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

☒ Check here if none, otherwise list entity/individual names below.

Signature: [Signature]

Date Signed: 5-18-2020

Notary Verification

State of WV, County of Raleigh:

I, Richard Clinkscales, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 18th day of May, 2020.

[Signature]
Notary Public's Signature



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA

JOYCE L. FARLEY

PO BOX 286
BEAVER, WV 25813

My Commission Expires June 8, 2023

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____

STATE OF WEST VIRGINIA
Purchasing Division
PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: 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: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, 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: PAC@ Analytical Services LLC

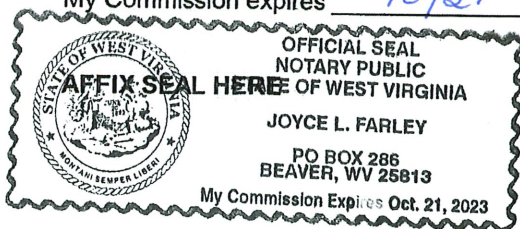
Authorized Signature: [Signature] Date: 5-18-2020

State of WV

County of Raleigh, to-wit:

Taken, subscribed, and sworn to before me this 18 day of May, 2020.

My Commission expires 10/21, 2023.



NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 01/19/2018)

Exhibit A
WV DEP INORGANIC ANALYSIS OF WATER AND SOIL
Pricing Pages

Liquid Samples & Solids							
Item #	Yearly Est. Quantity	Description	Method #	Method Detection Limit*	Practical Quantitation Limit	Unit Price	Extended Amount
1	4000	pH	SM 4500 - H B	N/A	N/A	\$6.00	\$24,000.00
1A	10	pH (Solid)	SW 9040 C	N/A	N/A	\$7.50	\$75.00
2	4000	Hot Acidity	SM 2310 B	5 MG/L	10 MG/L	\$8.00	\$32,000.00
2A	1000	Hot Acidity Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
3	4000	Alkalinity	SM 2320 B	1 MG/L	20 MG/L	\$8.00	\$32,000.00
3A	1000	Alkalinity Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
4	500	Hardness	SM 2340 B	1.0 MG/L	1.0 MG/L	\$9.00	\$4,500.00
4A	100	Hardness Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
4B	10	Hardness (Solid)	N/A	N/A	N/A	\$0.00	\$0.00
5	1000	Specific Conductance	SM 2510 B	1 US/CM2	1 US/CM2	\$10.00	\$10,000.00
5A	500	Specific Conductance Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
6	4000	Sulfate	E 300.0	1 MG/L	5 MG/L	\$10.00	\$40,000.00
6A	1000	Sulfate Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
6B	10	Sulfate (Solid)	SW 9056 A	20 MG/KG	50 MG/KG	\$12.50	\$125.00
7	20	Sulfide	SM 4500-S F	0.5 MG/L	1.0 MG/L	\$20.00	\$400.00
7A	10	Sulfide Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
8	20	Turbidity	E 180.1	0.5 NTU	0.5 NTU	\$10.00	\$200.00
8A	10	Turbidity Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
9	25	Bromide	E 300.0	0.031 MG/L	0.1 MG/L	\$10.00	\$250.00
9A	10	Bromide Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
9B	10	Bromide (Solid)	SW 9056 A	0.5 MG/KG	1 MG/KG	\$12.50	\$125.00
10	3000	Chloride	E 300.0	0.2 MG/L	1 MG/L	\$10.00	\$30,000.00
10A	100	Chloride Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
10B	10	Chloride (Solid)	SW 9056 A	4 MG/KG	10 MG/KG	\$12.50	\$125.00
11	25	Fluoride	E 300.0	0.05 MG/L	0.2 MG/L	\$10.00	\$250.00
11A	10	Fluoride Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
11B	10	Fluoride (Solid)	SW 9056 A	0.7 MG/KG	2 MG/KG	\$12.50	\$125.00
12	4000	Fecal Coliform (MF)	SM 9222 D	1 COL/100ML	1 COL/100ML	\$20.00	\$80,000.00
12A	1000	Fecal Coliform (MF) Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
13	100	Fecal Coliform (MPN)	COLILERT 18	1 MPN/100ML	1 MPN/100ML	\$40.00	\$4,000.00

Exhibit A
WV DEP INORGANIC ANALYSIS OF WATER AND SOIL
Pricing Pages

13A	50	Fecal Coliform (MPN) Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
14	20	Total Coliform	COLILERT 18	1 MPN/100ML	1 MPN/100ML	\$25.00	\$500.00
15	25	Total Solids	SM 2540 B	1 MG/L	2.5 MG/L	\$12.00	\$300.00
15A	10	Total Solids Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
15B	10	Total Solids (Solid)	SM 2540 G	5.0 MG/KG	10 MG/KG	\$12.00	\$120.00
16	3000	Dissolved Solids (TDS)	SM 2540 C	5 MG/L	10 MG/L	\$10.00	\$30,000.00
16A	1000	Dissolved Solids (TDS) Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
17	4000	Suspended Solids (TSS)	SM 2540 D	1 MG/L	2.5 MG/L	\$10.00	\$40,000.00
17A	1000	Suspended Solids (TSS) Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
18	25	Settleable Solids	SM 2540 F	0.1 ML/L	0.1 ML/L	\$15.00	\$375.00
18A	10	Settleable Solids Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
19	25	Volatile Solids	SM 2540 E	1 MG/L	1 MG/L	\$12.00	\$300.00
19A	10	Volatile Solids Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
19B	10	Volatile Solids (Solid)	SM 2540 G	0.01 WT%	0.01 WT%	\$12.00	\$120.00

Item #	Est. Quantity	Description	Method #	Method Detection Limit*	Practical Quantitation Limit	Unit Price	Extended Amount
20	25	Percent Solids	SM 2540 G	0.01 WT%	0.01 WT%	\$12.00	\$300.00
20A	10	Percent Solids Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
20B	10	Percent Solids (Solid)	SM 2540 G	0.01 WT%	0.01 WT%	\$12.00	\$120.00
21	400	Kjeldahl Nitrogen	E 351.2	0.32 MG/L	0.5 MG/L	\$22.00	\$8,800.00
21A	100	Kjeldahl Nitrogen Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
21B	10	Kjeldahl Nitrogen (Solid)	E 351.2	80 MG/KG	125 MG/KG	\$22.00	\$220.00
21C	10	Kjeldahl Nitrogen Alt. Method (Solid)	N/A	N/A	N/A	\$0.00	\$0.00
22	50	Ammonia Nitrogen	E 350.1	0.04 MG/L	0.1 MG/L	\$14.00	\$700.00
22A	10	Ammonia Nitrogen Alt. Method	SM 4500-NH3 B OR C	2.1 MG/L	5 MG/L	\$14.00	\$140.00
22B	10	Ammonia Nitrogen (Solid)	SM 4500-NH3 B	21 MG/KG	50 MG/KG	\$15.00	\$150.00
22C	10	Ammonia Nitrogen Alt. Method (Solid)	SM 4500-NH3 C	21 MG/KG	50 MG/KG	\$15.00	\$150.00
23	50	Organic Nitrogen	E 351.2 / E 350.1	0.04 MG/L	0.1 MG/L	\$35.00	\$1,750.00
23A	10	Organic Nitrogen Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
24	50	Nitrate-Nitrogen	E 300.0	0.03 MG/L	0.1 MG/L	\$12.00	\$600.00
24A	10	Nitrate-Nitrogen Alt. Method	SM 4500-NO3 F	0.03 MG/L	0.1 MG/L	\$12.00	\$120.00
25	50	Nitrite-Nitrogen	E 300.0	0.08 MG/L	0.5 MG/L	\$12.00	\$600.00

Exhibit A
WV DEP INORGANIC ANALYSIS OF WATER AND SOIL
Pricing Pages

25A	10	Nitrite-Nitrogen Alt. Method	SM 4500-NO3 F	0.03 MG/L	0.1 MG/L	\$12.00	\$120.00
25B	10	Nitrite-Nitrogen (Solid)	SW 9056 A	1 MG/KG	5 MG/KG	\$12.00	\$120.00
25C	10	Nitrite-Nitrogen Alt. Method (Solid)	SM 4500-NO3 F	1 MG/KG	5 MG/KG	\$12.00	\$120.00
26	400	Nitrite-Nitrate	Lachat 10-107-01-1-C	0.02 MG/L	0.1 MG/L	\$12.00	\$4,800.00
26A	100	Nitrite-Nitrate Alt. Method	SM 4500-NO3 F	0.03 MG/L	0.1 MG/L	\$12.00	\$1,200.00
26B	10	Nitrite-Nitrate (Solid)	SW 9056 A	0.9 MG/KG	1 MG/KG	\$12.00	\$120.00
26C	10	Nitrite-Nitrate Alt. Method (Solid)	SM 4500-NO3 F	1 MG/KG	5 MG/KG	\$12.00	\$120.00
27	400	Total Phosphorus	SM 4500-P BE	0.01 MG/L	0.05 MG/L	\$20.00	\$8,000.00
27A	100	Total Phosphorus Alt. Method	E 200.7	0.06 MG/L	0.50 MG/L	\$20.00	\$2,000.00
27B	10	Total Phosphorus (Solid)	SW 6010 C	3.7 MG/KG	25 MG/KG	\$20.00	\$200.00
27C	10	Total Phosphorus Alt. Method (Solid)	N/A	N/A	N/A	\$0.00	\$0.00
28	50	Orthophosphate	E 300.0	0.05 MG/L	0.1 MG/L	\$12.00	\$600.00
28A	10	Orthophosphate Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
29	50	Total Phosphate	SM 4500-P BE	0.01 MG/L	0.05 MG/L	\$20.00	\$1,000.00
29A	10	Total Phosphate Alt. Method	E 200.7	0.06 MG/L	0.50 MG/L	\$20.00	\$200.00
29B	10	Total Phosphate (Solid)	SW 6010 C	3.7 MG/KG	25 MG/KG	\$20.00	\$200.00
29C	10	Total Phosphate Alt. Method (Solid)	N/A	N/A	N/A	\$0.00	\$0.00
30	25	BOD	SM 5210 B	2 MG/L	2 MG/L	\$25.00	\$625.00
30A	10	BOD Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
Item #	Est. Quantity	Description	Method #	Method Detection Limit*	Practical Quantitation Limit	Unit Price	Extended Amount
31	25	BOD-carbonaceous	SM 5210 B	2 MG/L	2 MG/L	\$26.00	\$650.00
31A	10	BOD-carbonaceous Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
32	25	COD	E 410.4	4 MG/L	10 MG/L	\$22.00	\$550.00
32A	10	COD Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
33	25	TOC	SM 5310 C	0.6 MG/L	1 MG/L	\$22.00	\$550.00
33A	10	TOC Alt. Method	SW 9060	0.6 MG/L	1 MG/L	\$22.00	\$220.00
34	25	MBAS	SM 5540 C	0.028 MG/L	0.063 MG/L	\$32.00	\$800.00
34A	10	MBAS Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
35	25	Phenolics	E 420.1	0.005 MG/L	0.01 MG/L	\$35.00	\$875.00
35A	10	Phenolics Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
35B	10	Phenolics (Solid)	SW 9065	0.005 MG/KG	0.01 MG/KG	\$40.00	\$400.00

Exhibit A
WV DEP INORGANIC ANALYSIS OF WATER AND SOIL
Pricing Pages

36	25	Total Cyanide	E 335.4	0.005 MG/L	0.02 MG/L	\$28.00	\$700.00
36A	10	Total Cyanide Alt. Method	SW 9010B/9012B	0.005 MG/L	0.02 MG/L	\$28.00	\$280.00
36B	10	Total Cyanide (Solid)	SW 9010C/9012B	0.005 MG/KG	0.02 MG/KG	\$28.00	\$280.00
37	200	Hexavalent Chromium	E 218.6	0.0004 MG/L	0.001 MG/L	\$30.00	\$6,000.00
37A	10	Hexavalent Chromium Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
37B	10	Hexavalent Chromium (Solid)	SW 3060A/7196A	1.6 MG/KG	2.5 MG/KG	\$50.00	\$500.00
38	25	Oil-Grease	E 1664 A	4.9 MG/L	5 MG/L	\$30.00	\$750.00
38A	10	Oil-Grease Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
38B	10	Oil-Grease (Solid)	SW 9071 B	0.001 WT%	0.05 WT%	\$75.00	\$750.00
39	100	Chlorophyll A	E 446.0	0.1 MG/M3	1.0 MG/M3	\$55.00	\$5,500.00
39A	20	Chlorophyll A Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
40	25	Color (APHA)	SM 2120 B	5 CU	5 CU	\$13.00	\$325.00
40A	10	Color (APHA) Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
41	25	Color (ADMI)	SM 2120 E	1 CU	5 CU	\$50.00	\$1,250.00
41A	10	Color Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
42	25	Cyanide, Amenable	SM 4500-CN G/E	0.02 MG/L	0.02 MG/L	\$32.00	\$800.00
42A	10	Cyanide, Amenable Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
43	25	Cyanide, Free (ASTM)	SM 4500-CN I/E	0.005 MG/L	0.02 MG/L	\$32.00	\$800.00
43A	10	Cyanide, Free Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
44	25	Mineral Acidity	SM 2310 B	5 MG/L	10 MG/L	\$13.00	\$325.00
44A	10	Mineral Acidity Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
45	25	Total Acidity	SM 2310 B	5 MG/L	10 MG/L	\$8.00	\$200.00
45A	10	Total Acidity Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
46	25	Tot Petroleum Hydro-carbons GRO/DRO (8015)	SW 8015 C	0.5/0.2 MG/L	0.5/0.2 MG/L	\$75.00	\$1,875.00
46A	10	Tot Petroleum Hydro-carbons GRO/DRO (8015) Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
46B	10	Tot Petroleum Hydrocarbons GRO/DRO (8015) (Solid)	SW 8015 C	0.9/8.0 MG/KG	5.0/8.0 MG/KG	\$75.00	\$750.00
Item #	Est. Quantity	Description	Method #	Method Detection Limit*	Practical Quantitation Limit	Unit Price	Extended Amount
47	25	Fecal Streptococci	SM 9230 C	4 COL/100ML	10 COL/100ML	\$65.00	\$1,625.00
47A	10	Fecal Streptococci Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
47B	10	Fecal Streptococci (Solid)	N/A	N/A	N/A	\$0.00	\$0.00
48	25	Escherichia Coli (Numeric Result)	COLILERT 18	1 MPN/100ML	1 MPN/100ML	\$24.00	\$600.00

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48A	10	E. Coli (Numeric Result) Alt. Method	HACH 10029	1 COL/100ML	2.5 COL/100ML	\$24.00	\$240.00
49	100	Enterococci	N/A	N/A	N/A	\$0.00	\$0.00
50	20	Iron Bacteria	HACH-BART	1 CFU/ML	1 CFU/ML	\$60.00	\$1,200.00
51	20	Sulfate Reducing Bacteria	HACH-BART	1 CFU/ML	1 CFU/ML	\$60.00	\$1,200.00
52	25	Bicarbonate (Standard Methods)	SM 2320 B	1 MG/L	20 MG/L	\$8.00	\$200.00
52A	10	Bicarbonate Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
53	25	Ferrous Iron (Standard Methods)	SM 3500 - FED	0.05 MG/L	0.1 MG/L	\$30.00	\$750.00
53A	10	Ferrous Iron Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
54	25	Dissolved Organic Carbon	SM 5310 C	0.6 MG/L	1 MG/L	\$24.00	\$600.00
54A	10	Dissolved Organic Carbon Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
55	4000	Aluminum	E 200.7/SW 6010 C	0.01 MG/L	0.02 MG/L	\$7.00	\$28,000.00
55A	100	Aluminum - Alt. method	E 200.8/SW 6020 B	0.008 MG/L	0.02 MG/L	\$10.00	\$1,000.00
55B	10	Aluminum (Solid)	SW 6010 C	4.9 MG/KG	5.0 MG/KG	\$7.00	\$70.00
56	20	Antimony	E 200.7/SW 6010 C	0.009 MG/L	0.02 MG/L	\$7.00	\$140.00
56A	10	Antimony Alt. Method	E 200.8/SW 6020 B	0.0001 MG/L	0.0005 MG/L	\$10.00	\$100.00
56B	10	Antimony (Solid)	SW 6010 C	0.53 MG/KG	5.0 MG/KG	\$7.00	\$70.00
57	20	Arsenic	E 200.7/SW 6010 C	0.005 MG/L	0.02 MG/L	\$7.00	\$140.00
57A	10	Arsenic Alt. Method	E 200.8/SW 6020 B	0.0003 MG/L	0.003 MG/L	\$10.00	\$100.00
57B	10	Arsenic (Solid)	SW 6010 C	0.59 MG/KG	5.0 MG/KG	\$7.00	\$70.00
58	20	Barium	E 200.7/SW 6010 C	0.0003 MG/L	0.005 MG/L	\$7.00	\$140.00
58A	10	Barium Alt. Method	E 200.8/SW 6020 B	0.0003 MG/L	0.003 MG/L	\$10.00	\$100.00
58B	10	Barium (Solid)	SW 6010 C	0.66 MG/KG	5.0 MG/KG	\$7.00	\$70.00
59	20	Beryllium	E 200.7/SW 6010 C	0.00005 MG/L	0.001 MG/L	\$7.00	\$140.00
59A	10	Beryllium Alt. Method	E 200.8/SW 6020 B	0.00005 MG/L	0.0005 MG/L	\$10.00	\$100.00
59B	10	Beryllium (Solid)	SW 6010 C	0.06 MG/KG	0.5 MG/KG	\$7.00	\$70.00
60	20	Boron	E 200.7/SW 6010 C	0.005 MG/L	0.05 MG/L	\$7.00	\$140.00
60A	10	Boron Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
60B	10	Boron (Solid)	SW 6010 C	0.64 MG/KG	5.0 MG/KG	\$7.00	\$70.00
61	200	Cadmium	E 200.7/SW 6010 C	0.0002 MG/L	0.001 MG/L	\$7.00	\$1,400.00
61A	20	Cadmium Alt. Method	E 200.8/SW 6020 B	0.00005 MG/L	0.0005 MG/L	\$10.00	\$200.00
61B	10	Cadmium (Solid)	SW 6010 C	0.20 MG/KG	1.0 MG/KG	\$7.00	\$70.00
62	500	Calcium	E 200.7/SW 6010 C	0.027 MG/L	0.5 MG/L	\$7.00	\$3,500.00

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62A	20	Calcium Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
62B	10	Calcium (Solid)	SW 6010 C	29.7 MG/KG	50 MG/KG	\$7.00	\$70.00
63	20	Chromium	E 200.7/SW 6010 C	0.0008 MG/L	0.005 MG/L	\$7.00	\$140.00
63A	10	Chromium Alt. Method	E 200.8/SW 6020 B	0.0005 MG/L	0.003 MG/L	\$10.00	\$100.00
63B	10	Chromium (Solid)	SW 6010 C	0.56 MG/KG	5.0 MG/KG	\$7.00	\$70.00
64	20	Cobalt	E 200.7/SW 6010 C	0.0009 MG/L	0.005 MG/L	\$7.00	\$140.00
64A	10	Cobalt Alt. Method	E 200.8/SW 6020 B	0.0003 MG/L	0.003 MG/L	\$10.00	\$100.00
64B	10	Cobalt (Solid)	SW 6010 C	0.61 MG/KG	5.0 MG/KG	\$7.00	\$70.00
Item #	Est. Quantity	Description	Method #	Method Detection Limit*	Practical Quantitation Limit	Unit Price	Extended Amount
65	200	Copper	E 200.7/SW 6010 C	0.002 MG/L	0.005 MG/L	\$7.00	\$1,400.00
65A	20	Copper Alt. Method	E 200.8/SW 6020 B	0.0005 MG/L	0.003 MG/L	\$10.00	\$200.00
65B	10	Copper (Solid)	SW 6010 C	0.48 MG/KG	5.0 MG/KG	\$7.00	\$70.00
66	3000	Iron	E 200.7/SW 6010 C	0.04 MG/L	0.05 MG/L	\$7.00	\$21,000.00
66A	100	Iron Alt. Method	E 200.8/SW 6020 B	0.007 MG/L	0.02 MG/L	\$10.00	\$1,000.00
66B	10	Iron (Solid)	SW 6010 C	5.8 MG/KG	20 MG/KG	\$7.00	\$70.00
67	200	Lead	E 200.7/SW 6010 C	0.003 MG/L	0.01 MG/L	\$7.00	\$1,400.00
67A	10	Lead Alt. Method	E 200.8/SW 6020 B	0.00005 MG/L	0.0005 MG/L	\$10.00	\$100.00
67B	10	Lead (Solid)	SW 6010 C	0.55 MG/KG	5.0 MG/KG	\$7.00	\$70.00
68	500	Magnesium	E 200.7/SW 6010 C	0.02 MG/L	0.5 MG/L	\$7.00	\$3,500.00
68A	20	Magnesium Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
68B	10	Magnesium (Solid)	SW 6010 C	4.5 MG/KG	25 MG/KG	\$7.00	\$70.00
69	3000	Manganese	E 200.7/SW 6010 C	0.0007 MG/L	0.005 MG/L	\$6.25	\$18,750.00
69A	100	Manganese Alt. Method	E 200.8/SW 6020 B	0.0005 MG/L	0.003 MG/L	\$10.00	\$1,000.00
69B	10	Manganese (Solid)	SW 6010 C	0.58 MG/KG	5.0 MG/KG	\$7.00	\$70.00
70	200	Mercury	E 245.1	0.0002 MG/L	0.0005 MG/L	\$22.00	\$4,400.00
70A	200	Mercury / Method 1631E	E 1631 E	0.2 NG/L	0.5 NG/L	\$45.00	\$9,000.00
70B	10	Mercury (Solid)	SW7471 B	0.026 MG/KG	0.1 MG/KG	\$7.00	\$70.00
71	20	Molybdenum	E 200.7/SW 6010 C	0.001 MG/L	0.005 MG/L	\$7.00	\$140.00
71A	10	Molybdenum Alt. Method	E 200.8/SW 6020 B	0.0003 MG/L	0.003 MG/L	\$10.00	\$100.00
71B	10	Molybdenum (Solid)	SW 6010 C	0.67 MG/KG	5.0 MG/KG	\$7.00	\$70.00
72	200	Nickel	E 200.7/SW 6010 C	0.002 MG/L	0.005 MG/L	\$7.00	\$1,400.00

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72A	20	Nickel Alt. Method	E 200.8/SW 6020 B	0.0002 MG/L	0.003 MG/L	\$10.00	\$200.00
72B	10	Nickel (Solid)	SW 6010 C	0.79 MG/KG	5.0 MG/KG	\$7.00	\$70.00
73	500	Potassium	E 200.7/SW 6010 C	0.05 MG/L	0.5 MG/L	\$6.25	\$3,125.00
73A	20	Potassium Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
73B	10	Potassium (Solid)	SW 6010 C	5.1 MG/KG	25 MG/KG	\$7.00	\$70.00
74	500	Selenium	E 200.8/SW 6020 B	0.001 MG/L	0.003 MG/L	\$10.00	\$5,000.00
74A	20	Selenium Alt. Method	SM3114B/SW7742M	0.0002 MG/L	0.0005 MG/L	\$32.00	\$640.00
74B	10	Selenium (Solid)	SW 6010 C	0.77 MG/KG	5.0 MG/KG	\$7.00	\$70.00
75	200	Silver	E 200.7/SW 6010 C	0.0009 MG/L	0.005 MG/L	\$7.00	\$1,400.00
75A	20	Silver Alt. Method	E 200.8/SW 6020 B	0.0003 MG/L	0.003 MG/L	\$10.00	\$200.00
75B	10	Silver	SW 6010 C	0.63 MG/KG	2.5 MG/KG	\$7.00	\$70.00
76	500	Sodium	E 200.7/SW 6010 C	0.024 MG/L	0.5 MG/L	\$6.25	\$3,125.00
76A	20	Sodium Alt. Method	N/A	N/A	N/A	\$0.00	\$0.00
76B	10	Sodium (Solid)	SW 6010 C	11.0 MG/KG	50 MG/KG	\$7.00	\$70.00
77	200	Strontium	E 200.7/SW 6010 C	0.0010 MG/L	0.01 MG/L	\$7.00	\$1,400.00
77A	20	Strontium Alt. Method	E 200.8/SW 6020 B	0.0003 MG/L	0.003 MG/L	\$10.00	\$200.00
78	20	Thallium	E 200.7/SW 6010 C	0.004 MG/L	0.01 MG/L	\$7.00	\$140.00
78A	10	Thallium Alt. Method	E 200.8/SW 6020 B	0.00006 MG/L	0.0005 MG/L	\$10.00	\$100.00
78B	10	Thallium (Solid)	SW 6010 C	0.54 MG/KG	5.0 MG/KG	\$7.00	\$70.00
79	20	Tin	E 200.7/SW 6010 C	0.007 MG/L	0.1 MG/L	\$7.00	\$140.00
79A	10	Tin Alt. Method	E 200.8/SW 6020 B	0.0004 MG/L	0.0005 MG/L	\$10.00	\$100.00
79B	10	Tin (Solid)	SW 6010 C	9.2 MG/KG	25 MG/KG	\$7.00	\$70.00
80	20	Vanadium	E 200.7/SW 6010 C	0.001 MG/L	0.01 MG/L	\$7.00	\$140.00
80A	10	Vanadium Alt. Method	E 200.8/SW 6020 B	0.0002 MG/L	0.003 MG/L	\$10.00	\$100.00
80B	10	Vanadium (Solid)	SW 6010 C	0.51 MG/KG	5.0 MG/KG	\$7.00	\$70.00
81	200	Zinc	E 200.7/SW 6010 C	0.007 MG/L	0.02 MG/L	\$7.00	\$1,400.00
81A	20	Zinc Alt. Method	E 200.8/SW 6020 B	0.002 MG/L	0.005 MG/L	\$10.00	\$200.00
81B	10	Zinc (Solid)	SW 6010 C	2.35 MG/KG	5.0 MG/KG	\$7.00	\$70.00
82	200	Metals Prep Cost	E 200.2	N/A	N/A	\$6.50	\$1,300.00
82A	10	Metals Prep Cost (Solid)	SW 3050 B	N/A	N/A	\$8.50	\$85.00
Item #	Est. Quantity	Description	Method #	Method Detection Limit*	Practical Quantitation Limit	Unit Price	Extended Amount

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83	20	Gross Alpha	900	N/A	3 PCI/L	\$60.00	\$1,200.00
83A	10	Gross Alpha (Solid)	9310	N/A	10 PCI/L	\$60.00	\$600.00
84	20	Gross Beta	900	N/A	4 PCI/L	\$60.00	\$1,200.00
84A	10	Gross Beta (Solid)	9310	N/A	10 PCI/L	\$60.00	\$600.00
85	20	Ra-226	903	N/A	1 PCI/L	\$100.00	\$2,000.00
85A	10	Ra-226 (Solid)	9315 E 901 1M	N/A	1 PCI/G	\$100.00	\$1,000.00
86	20	Ra-228	904	N/A	1 PCI/L	\$100.00	\$2,000.00
86A	10	Ra-228 (Solid)	9320	N/A	1 PCI/G	\$100.00	\$1,000.00
87	20	Total Uranium	908	N/A	N/A	\$75.00	\$1,500.00
87A	10	Total Uranium (Solid)	6020	N/A	1 PCI/G	\$115.00	\$1,150.00
88	20	Sr-89	905	N/A	N/A	\$125.00	\$2,500.00
88A	10	Sr-89 (Solid)	905	N/A	N/A	\$125.00	\$1,250.00
89	20	Sr-90	905	N/A	4 PCI/L	\$125.00	\$2,500.00
89A	10	Sr-90 (Solid)	905	N/A	1 PCI/G	\$125.00	\$1,250.00
90	20	Tritium (H3)	906	N/A	400 PCI/L	\$125.00	\$2,500.00
90A	10	Tritium (H3) (Solid)	906	N/A	400 PCI/G	\$125.00	\$1,250.00
91	20	Gamma (Cs-137)	901	N/A	10 PCI/L	\$130.00	\$2,600.00
91A	10	Gamma (Cs-137) (Solid)	901.1	N/A	1 PCI/L	\$130.00	\$1,300.00
92	20	Radon	7500	N/A	100 PCI/L	\$130.00	\$2,600.00
92A	10	Radon (Solid)	7500	N/A	PCI/G	\$130.00	\$1,300.00

Toxicity Testing - Freshwater Organisms					
Item #	Est. Quantity	Description	Method #	Unit Price	Extended Amount
		Acute:			
93	25	Ceriodaphnia	EPA A821-R-02-012 2002.0	\$325.00	\$8,125.00
94	10	Daphnia Pulex / D. magna	EPA A821-R-02-012 2021.0	\$325.00	\$3,250.00
95	25	Pimephales promelas	EPA A821-R-02-012 2000.0	\$450.00	\$11,250.00
		Chronic:			
96	25	Ceroidaphnia	EPA A821-R-02-013 1002.0	\$1,100.00	\$27,500.00
97	25	Pimephales promelas (Survival & Growth)	EPA A821-R-02-013 1000.0	\$1,475.00	\$36,875.00

Collection of samples - costs associated with sample pickup from the following locations:				
98	24	Bridgeport Office, 101 Cambridge Place, Bridgeport, WV 26330	\$0.00	\$0.00
99	24	Charleston Office, 601 57th Street S.E., Charleston, WV 25304	\$0.00	\$0.00

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100	24	Fairmont Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554	\$0.00	\$0.00
102	24	Logan Office, 1101 George Kostas Dr., Logan, 25601	\$50.00	\$1,200.00
103	24	Fayetteville Office, 1159 Nick Rahall Greenway, Fayetteville, WV 25840	\$0.00	\$0.00
104	24	Parkersburg Office, 2311 Ohio Ave., Parkersburg, WV 26010	\$0.00	\$0.00
105	24	Philippi Office, 47 School Street, Philippi, WV 26416	\$50.00	\$1,200.00
106	24	Romney Office, 22288 Northwestern Pike, Romney, WV 26757	\$50.00	\$1,200.00
109	24	Wheeling Office, 131A Peninsula St., Wheeling, WV 26003	\$50.00	\$1,200.00
110	5000	Other locations as Cost Per Mile to pickup site	\$0.59	\$2,950.00
111	10	24 Hour Turn-Around Rush Order fee, per sample	50%	\$0.00
112	10	48 Hour Turn-Around Rush Order fee, per sample	25%	\$0.00
113	10	72 Hour Turn-Around Rush Order fee, per sample	10%	\$0.00
TOTAL BID AMOUNT				\$616,445.00

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.

Company: PACE Analytical Services LLC

Name: Jason Clark

Signature: Jason Clark Date: 5-18-2020