

RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

Post Office Box 286 * Beaver, WV 25813 * 800.999.0105 304.255.2500 * 304.255.2572(fax)

website: www.reiclabs.com

Improving the environment, one client at a time...

January 20, 2012

Mr. Guy Nisbet
State of West Virginia
Department of Environmental Protection
Environmental Enforcement
601 57th Street SE
Charleston, WV 25304

SUBJECT: RFQ DEP 15706, "Organic Analysis of Water and Soil Field Testing"

Dear Mr. Nisbet:

REI Consultants, Inc. (REIC) is pleased to submit this quotation for organic analysis of water and soil/tissue samples, as specified in the subject RFQ. REIC has very successfully and competently provided the requested services for the Department Environmental Protection for the past several years. The following sections of this quotation briefly describe REIC's extensive capabilities and offerings directly related to this procurement. Attached to this letter are a summary table of qualifications for relevant staff, a copy of our DEP lab certifications, our price proposal, an executed Vendor Preference Certificate, and an executed, notarized Purchasing Affidavit.

REIC Capabilities

Staff. REIC's staff includes over 100 accomplished scientists and support staff. The leadership team members are all environmental professionals with extensive experience ranging from research to compliance monitoring. REIC's supportive, quality-targeted management approach has resulted in minimal turnover of key staff throughout the company's history. The qualifications and experience of key staff providing organic analysis services is shown on the attached table. As this summary demonstrates, REIC's staff are very experienced in conducting analysis of environmental samples and interpreting the analytical results.

REIC's lead scientists are very capable of providing expert testimony regarding environmental analysis methods and results. Dr. Clarence Haile, Lab Director, and Mr. Raymond Erickson, Assistant Lab Director have considerable experience providing expert testimony and sworn affidavits.

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Facilities and Equipment. REIC's main laboratory a 30,000 square foot facility located at the corporate headquarters near Beckley, West Virginia. The laboratory, built specifically to REIC's specifications, includes dedicated areas for sample login and storage, sample preparation and analysis, and administrative functions, including information management. Our Volatile Organics Laboratory is located in an isolated portion of the facility with a fully isolated and dedicated HVAC system. Our Biological Division, including our bioassay laboratory is located in a separate building on our headquarters campus.

REIC's analytical equipment includes (but is not limited to):

- 12 Gas Chromatographs
- 8 GC/MS Systems
- 2 HPLCs
- 2 ICPs
- 2 ICP/MS
- 3 Ion Chromatographs
- Low Level Selenium Analyzer
- Mercury Analyzer
- Discrete Analyzer
- TOC Analyzer

Laboratory Certifications. REIC's laboratories are accredited to perform a full range of environmental analyses in several states. A copy of our current DEP certifications is attached.

REIC's Value-Added Services.

Courier Services. REIC operates an extensive courier network to deliver sample containers and pick up samples from most clients in our service area. Daily service is available in the Beckley, Charleston, and Huntington areas and points in between. Other major population centers are scheduled for service at least weekly. Most needs outside our normal schedules can be accommodated by simply calling our Sample Custody group. Our courier resources include 7 dedicated vehicles based in West Virginia (5 from our Beckley headquarters and 1 in Charleston) and 2 dedicated vehicles based in Ashland, KY. Three additional vehicles are available to be deployed as needed. For extremely urgent needs, REIC has a light aircraft and a full-time professional pilot available that can land in most small airports in the state.

Emergency Contact. Occasionally client needs arise outside normal business hours. When clients call after hours, they have an option to leave a message in an Emergency Voicemail Box. This mailbox is programmed to call a designated emergency number every 10 minutes until the message is retrieved. REIC makes every effort to be responsive to client emergency needs.

REIC's Price Proposal

REIC's price proposal is attached and presented using the forms specified in the Request for Quotation.

Summary

REIC provides the capabilities and value-added services required by DEP for this program, including expert testimony as needed. Our courier services and emergency contact system ensures outstanding support for successful testing projects. And, REIC proposed to provide these services at the same pricing as previous contracts.

Please do not hesitate to contact me if you have any questions regarding our quotation or need further information.

Sincerely,

Clarence L. Haile, Ph.D.

Executive Vice President/Laboratory Director

REI Consultants, Inc.

REIC Staff Qualifications

Name	Current Position	Qualifications
Dr. Clarence L. Haile	Laboratory Director	PhD in Environmental Chemistry with 34 years research and laboratory management experience
Ray Erickson	Assistant Lab Director	BS in Biochemistry with 28 years laboratory management and research experience
Brenda Barnett	Quality Assurance Officer	BS in Biology with 13 years laboratory/quality assurance experience
Jimmy Suttle	Project Manager	19 years sampling/sample custody/project management experience
Ivan Leef	Inorganics Lab Manager	BS in Chemical Engineering with 23 years laboratory experience
Tammy Church	Organics Lab Manager	BS in Chemistry with 15 years laboratory experience
Dennis Layne	Metals Lab Supervisor	Associate in Science with 15 years metals laboratory experience
Jennifer Dunford	Metals Analyst	BS in Natural Science/Ecology with 8 years laboratory experience
Destiny Duncan	Wet Chemistry Analyst	BS in Biology with 7 years laboratory experience
Jay Jones	Wet Chemistry Supervisor	10 years laboratory experience
Josh Cox	Organic Analyst	AA in Environmental Technology with 12 years laboratory experience
Clayton Scott	Organic Analyst	BS in Environmental Science with 5 years laboratory experience
Allison Ford	Organic Analyst	5 years of laboratory experience
Joy Mullins	Project Manager/ Supervisor, Mid-Ohio Valley Service Center	BS in Chemistry with 15 years of laboratory experience
Erin Bryant	Supervisor, Roanoke Service Center	BS in Biology with 9 years of laboratory experience
Todd Gibson	Supervisor, Shenandoah Service Center	BS in Chemistry with 20 years of laboratory experience
Randy Farley	Field Measurements Supervisor	19 years of experience sampling wastewater, groundwater, and stormwater
Ed Kirk	Biological Division Director	MS in Biology and 17 years of bioassay experience
Mike Lester	Bioassay Laboratory Manager	19 years of bioassay laboratory experience



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

Request for [

RFQ NUMBER DEP15706

	ADDRESS CORRESPONDE
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JY NISBET 04-558-8802

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304-255-2500 REI CONSULTANTS INC

PO BOX 286

BEAVER WV 25813 ENVIRONMENTAL PROTECTION DEPARTMENT OF ENVIRONMENTAL ENFORCEMENT 601 57TH STREET CHARLESTON, WV 25304 304-926-0499

FREIGHT TERMS F.O.B. DATE PRINTED TERMS OF SALE SHIP VIA 12/23/2011 BID OPENING DATE: BID OPENING TIME 01:30PM 02/02/2012 CAT. AMOUNT UNIT PRICE UOP ITEM NUMBER LINE QUANTITY OPEN END CONTRACT d001 961-48 IJS. 1 ORGANIC ANALYSIS OF WATER AND SOIL FIELD TESTING THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, WEST VIRGINIA DEPARTMENT OF ENVIROMENTAL PROTECTION'S DEPARTMENT OF ENVIRONENTAL ENFORCEMENT DIVISION, IS SOLICITING BIDS FROM QUALIFIED VENDOR'S TO PROVIDETHE AGENCY WITH ORGANIC ANALYSIS OF WATER AND SOIL PER THE FOLLOWING SPECIFICATIONS, SCOPE OF WORK, TERMS & CONDITIONS AND BID REQUIREMENTS AS ATTACHED. INQUIRIES: WRITTEN QUESTIONS SHALL BE ACCEPTED THROUGH CLOSE OF HUSINESS ON THURSDAY, JANUARY 19,2012. QUESTIONS MAY BE SENT VIA: USES, FAX, COURIER OR EMAIL. IN ORDER TO ASSURE NO VENDOR RECEIVES AN UNFAIR ADVANTAGE, NO SUBSTANTIVE QUESTIONS WILL BE ANSWERED ORALLY. IF HOSSIBLE, EMAIL QUESTIONS ARE PREFERRED. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL WRITTEN ADDENDUM TO BE ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED. ADDREES INQUIRIES TO: **GUY NISBET** SEE REVERSE SIDE FOR TERMS AND CONDITIONS TELEPHONE SIGNATURE 255-2500 ADDRESS CHANGES TO BE NOTED ABOVE 55-0668654

WHEN RESPONDING TO REQ. 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.

The State may accept or reject in part, or in whole, any bid.

3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division

and have paid the required \$125 fee.

- 4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
- 5. Payment may only be made after the delivery and acceptance of goods or services.
- 6. Interest may be paid for late payment in accordance with the West Virginia Code.
- 7. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 10. The laws of the State of West Virginia and the Legislative Rules of the Purchasing Division shall govern the purchasing process.
- 11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 12. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
- 13. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.html 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).



*709054747

PO BOX 286

BEAVER WV

REI CONSULTANTS INC

25813

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

304-255-2500

Request for

RFQ NUMBER DEP15706 2

ADDRESS CORRESPONDENCE TO ATTENTION OF:

ADDRESS CHANGES TO BE NOTED ABOVE

GUY NISBET 304-558-8802

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

FREIGHT TERMS F.O.B. TERMS OF SALE SHIP VIA DATE PRINTED 12/23/2011 BID OPENING TIME 01:30PM BID OPENING DATE: 02/02/2012 AMOUNT CAT. UNIT PRICE ITEM NUMBER UOP QUANTITY LINE DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION 2019 WASHINGTON STREET, EAST CHARLESTON, WV. 25305 FAX: 304.558.4115 EMAIL: GUY.L.NISBET@WV.GOV ' EXHIBIT 3 THIS CONTRACT BECOMES EFFECTIVE ON LIFE OF CONTRACT: YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS MECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE THE "REASONABLE TIME" PERIOD SHALL ORIGINAL CONTRACT. DURING THIS "REASONABLE NOT EXCEED TWELVE (12) MONTHS. TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING 30 DAYS WRITTEN NOTICE. UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT. RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS. CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICE SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE 255-2500

55-0668654 Director WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

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

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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
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PAGE 5

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GUY NISBET 304-558-8802

*709054747 304-255-2500 REI CONSULTANTS INC PO BOX 286

BEAVER WV 25813

ENVIRONMENTAL PROTECTION

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

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

Request for Quotation

DEP15706

PAGE 6

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Page 1 AREA OF WORK

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

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

QUALIFICATIONS

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

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

SCOPE

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

STEP 1 - Collection of sample from specified office.

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

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

STEP 4 - Legal Testimony

Step 1 - Collection of Samples from Specified Office

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

Step 2 - Conduct Specified Analysis on Samples

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

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

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

Step 3 - Quality Control

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

Page 3

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

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

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

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

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

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

Practical Quantitation Limits

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

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

Step 4 - Legal Testimony

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

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

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

PRIME VENDOR RESPONSIBILITIES

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

SUBCONTRACTORS

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

CONFIDENTIALITY

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

MISCELLANEOUS PROVISIONS

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

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

Quality Control Deliverables

Level I Contents

Laboratory Analysis Reports Chain of Custody Form

Level II Contents

Laboratory Analysis reports

Case Narrative

Chain of Custody Form

Initial Calibration summaries, CLP Form 6

Continuing Calibration Verification summaries, CLP Form 7

Raw method blank data

Matrix Spike/Matrix Spike Duplicate Summary (MS/MSD), CLP form 3

Surrogate Summary, CLP Form 2

Raw Sample data

Level III Contents, Organic

Laboratory Analysis reports

Chain of Custody Form

Case Narrative

Retention Time Summary (if applicable)

Extraction Logs (if applicable)

Analytical Run Logs

MS Tuning Summary, CLP form 5 (if applicable)

Initial Calibration Summaries, CLP Form 6

Continuing Calibration Verification Summaries, CLP Form 7

Method Blank Summary, CLP Form 4

Raw method blank data

Matrix Spike/Matrix Spike Duplicate Summary (MS/MSD), CLP form 3

Surrogate Summary, CLP Form 2 (if applicable)

Internal Standard Summary, CLP form 8 (if applicable)

All associated Raw QC data, including calibrations

Form 1 results Summaries for samples and blanks

Raw Sample data

MDL Statements

Electronic Date Deliverable

Level IV (Inorganic/Metals)

Laboratory Analysis reports

Chain of Custody Form

Case Narrative

Analysis Data Sheet, CLP form 1

Initial and continuing Calibration Verification, CLP Form II, Part 1

CRDL Standard for AA and ICP, CLP Form II, Part 2

Blanks, CLP Form III

ICP Interference Check Sample, CLP Form IV

Spike Sample Recovery, CLP Form V, Part 1

Post Digest Spike Sample Recovery, CLP Form V, Part 2

Duplicates, CLP Form VI

Laboratory Control Sample, CLP Form VII

Standard Addition Results, CLP Form VIII

ICP Serial Dilutions, CLP Form IX

Preparation Logs, CLP Form XIII

Analysis Run Logs, CLP Form XIV

All associated raw data

MDL statements

Electronic Date Deliverable

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Parameters detected with EPA 600 Series Organic Analyses

Method 601, Purgeable Halocarbons	MDLs		SOLID
Bromodichloroethane	1.0 ug/l		
Bromoform	1.0 ug/l		
Bromonethane	1.0 ug/l		
Carbon Tetrachloride	1.0 ug/l	20	
Chlorobenzene	1.0 ug/l		
Chloroethane	1.0 ug/l		
2-Chloroethylvinyl ether	1.0 ug/l		
Chloroform	1.0 ug/l		
Chloromethane	1.0 ug/l		
Dibromochloromethane	1.0 ug/l		
	1.0 ug/l		
1,2-Dichlorobenzene	1.0 ug/l		
1,3-Dichlorobenzene	1.0 ug/l		
1,4-Dichlorobenzene Dichlorodifluoromethane			
	1.0 ug/l		
1,1-Dichloroethane	1.0 ug/l		
1,2-Dichloroethane	1.0 ug/l		
trans-1,2-Dichloroethene	1.0 ug/l	9	
1,2-Dichloropropane	1.0 ug/l		
cis-1,3-Dichloropropene	1.0 ug/l		
trans-1,3-Dichloropropene	1.0 ug/l		
Methylene chloride	1.0 ug/l		
1,1,2,2-Tetrachloroethane	1.0 ug/l		
Tetrachloroethene	1.0 ug/l		
1,1,1-Trichloroethane	1.0 ug/l		
1,1,2-Trichloroethane	1.0 ug/l		
Tetrachloroethylene	1.0 ug/l		
Trichlorofluoromethane	1.0 ug/l		
Vinyl Chloride	1.0 ug/l		
1,1-Dichloroethene	1.0 ug/1		
Full Suite			
	MDL		SOLID
Method 602, Purgeable Aromatics	MDLs		
Benzene	1.0 ug/l		
Chlorobenzene	1.0 ug/l		
1,2-Dichlorobenzene	1.0 ug/l		
1,3-Dichlorobenzene	1.0 ug/l		
1,4-Dichlorobenzene	1.0 ug/l		
Ethylbenzene	1.0 ug/l		
Toluene	1.0 ug/l		
- Ormania			
8	n MDI -		SOLID
Method 603, Acrolein and Acrylonitr	ile MDLs		
Acrylonitrile			
Acrolein			
beloves to reactive costs.	30		

P a g e 8 Method 604, Phenols 4-Chloro-3-methylphenol 2-Chlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Nitrophenol 4-Nitrophenol Pentachlorophenol Phenol 2,4,6-Trichlorophenol	MDLs	SOLID
Method 605, Benzidines Benzidines 3,3'-Dichlorobenzidine	MDLs	SOLID
Method 606 Phthalate Esters Bis(2-ethylhexyl) phthalate Butyl benzyl phthalate Di-n-butyl phthalate Diethyl phthalate Dimethyl phthalate Di-n-octyl phthalate	MDLs	SOLID
Method 607, Nitrosamines N-Nitrosodimethylamine N-Nitrosodiphenylamine N-Nitrosodi-n-propylamine	MDLs	SOLID
Method 608, Organochlorine Po	esticides and PCBs	
	MDLs	SOLID
Aldrin	0.3 ug/l 0.3 ug/l	
α -BHC	0.3 ug/l	8
β-BHC	0.3 ug/l	
δ-BHC	0.3 ug/l	
γ -BHC Chlorodane	0.5 ug/l	đ
4,4'-DDD	0.3 ug/l	
4,4'-DDE	0.3 ug/l	
4,4'-DDT	0.3 ug/l	
Dieldrin	0.3 ug/l	
Endosulfan I	0.3 ug/l	
Endosulfan II	0.3 ug/l	

Page 9 Method 608, Organochlorine Pesticides	s and PCBs contin	nued	
Method 600, organism	MDLs		SOLID
7 1 16 16	0.5 ug/l		
Endosulfan sulfate	0.5 ug/l	en ====	
Eldrin	0.5 ug/l		
Endrin aldehyde			
Heptacholr	0.5 ug/l		
Heptachlor epoxide	0.3 ug/l		
Toxaphene	1.5 ug/l		
PCB-1016	0.5 ug/l		
PCB-1221	0.5 ug/l		
PCB-1232	0.5 ug/l		
	0.5 ug/l		
PCB-1242	0.5 ug/l		
PCB-1248	0.5 ug/l		
PCB-1254	0.5 ug/l		
PCB-I260	0.5 ug/1		
Method 609, Nitroaromatics and Isop	horone MDLs		SOLID
2,4-Dinitrotoluene			
2,6-Dinitrotoluene			
Isophorone			
Nitrobenzene			
Millobelizene			
Method 610, Polynuclear Aromatic H	Ivdrocarbons		
Method 610, 1 olyhucicai Aromani	MDLs	*2	SOLID
1.11	10 ug/l		
Acenaphthene	10 ug/l		
Acenaphthylene	10 ug/l		
Anthracene			
Benzo(a)anthracene	10 ug/l		
Benzo(a)pyrene	10 ug/l		
Benzo(b)fluoranthene	10 ug/l		
Benzo(ghi)perylene	10 ug/l		
Benzo(k)fluoranthene	10 ug/l		
	10 ug/l		
Chrysene	10 ug/l		
Dibenzo(a,h)anthracene	10 ug/l		
Fluoranthene	10 ug/l		
Fluorene			
Indeno(1,2,3-cd)pyrene	10 ug/l		
Naphthalene	10 ug/l		
Phenanthrene	10 ug/l		
Pyrene	10 ug/l		
1 Jione			~~~**
Method 611, Haloethers	MDLs		SOLID
Bis(2-chloroethyl) ether			
Bis(2-chloroethoxy) methane			×
Dis(2-thorotemoxy) interior			
Bis(2-chloroisopropyl) ether			
4-Bromophenyl phenyl ether			
4-Chlorophenyl phenyl ether			

Page 10 Method 612, Chlorinated Hydrocarbons continued MDLs	SOLID
2-Chloronaphthalene	
1,2-Dichlorobenzene	
1,3-Dichlorobenzene	
1,4-Dichlorobenzene	
Hexachlorobenzene	88
Hexachlorobutadiene	
Hexachlorocyclopentadiene	
Hexachloroethane	
1,2,4-Trichlorobenzene	
Method 613 2 3 7.8-Tetrachlorldibenzo-P-dioxin	

Method 613 2,3,7,8-Tetrachlorldibenzo-P-dioxin **MDLs**

SOLID

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

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

Method 624, Purgeables	MDLs	SOLID
Benzene	10 ug/l	
Bromodichloromethane	10 ug/l	
Bromoform	10 ug/l	
Bromomethane	10 ug/l	
Carbon Tetrachloride	10 ug/l	
Chlorobenzene	10 ug/l	
Chloroethane	10 ug/l	
2-Chloroethylvinyl ether	20 ug/l	
Chloroform	10 ug/l	
Chloromethane	10 ug/l	
Dibromochloromethane	10 ug/l	
1,2-Dichlorobenzene	10 ug/l	
1.3-Dichlorobenzene	10 ug/l	
1,4-Dichlorobenzene	10 ug/l	
1,1-Dichloroethane	10 ug/l	
1,2-Dichloroethane	10 ug/l	
trans-1,2-Dichloroethene	10 ug/l	
1,2-Dichloropropane	10 ug/l	
cis-1,3-Dichloropropene	10 ug/l	
trans-1,3-Dichloropropene	10 ug/l	
Ethyl benzene	10 ug/l	
Methylene chloride	10 ug/l	
1,1,2,2-Tetrachloroethane	10 ug/l	
Tetrachloroethene	10 ug/l	
Toluene	10 ug/l	V
1,1,1-Trichloroethene	10 ug/l	

Page 11 Method 624, Purgeables continued		
Method 624, 1 trigenbles continue	MDLs	SOLID
1,1,2-Trichloroethene	10 ug/l	
Trichlorethane	10 ug/l	
Trichlorofluoromethane	10 ug/l	
	10 ug/l	
Vinyl chloride	10 ug/l	
1,1-Dichloroethene		
Method 625, Base/Neutrals Extracta	ables	© 1500000
Method 623, Dasch teatras	MDLs	SOLID
Acananhthene	10 ug/l	
Acenaphthene	10 ug/l	
Acenaphthylene	10 ug/l	
Anthracene	10 ug/l	
Aldrin	70 08	
Benzo(a)anthracene	10 ug/l	
Benzo(b)fluoranthene	10 ug/l	
Benzo(k)fluoranthene	10 ug/l	
Benzo(a)pyrene	20 ug/l	
Benzo(ghi)perylene	10 ug/l	
Benzyl butyl phthalate	10 ug/1	
3 -BHC		
δ-BHC	10/1	
Bis(2-chloroethyl) ether	10 ug/l	
Bis(2-chloroethoxy) methane	10 ug/l	
Bis(2-ethylhexyl) phthalate		
Bis(2-chloroisopropyl) ether	10 ug/l	
4-Bromophenyl phenyl ether	10 ug/l	
Chlordane		
2-chloronaphthalene	10 ug/l	
4-chlorophenyl phenyl ether		
Chrysene	10 ug/l	
4,4'-DDD		
4,4'-DDE		
4,4'-DDT	er .	
Dibenzo(a,h) anthracene	20 ug/l	8
	10 ug/l	
Di-n-butlyphthalate	10 ug/l	
1,2-Dichlorobenzene	10 ug/l	
1,3-Dichlorobenzene	10 ug/l	
1,4-Dichlorobenzene	50 ug/l	
3,3'-dichlorobenzidine	50 ug 1	
Dieldrin	10 ug/l	
Diethyl phthalate	10 ug/l	
Dimethyl phthalate	and the second s	
2,4-dinitrotoluene	10 ug/l	
2,6-dinitrotoluene	10 ug/l	
Di-n-octylphthalate	10 ug/l	
Endosulfan sulfate		
Endrin aldehyde	¥	
AMERICAN STREET		

Page 12 Method 625, Base/Neutrals Extr	actables continued MDLs	SOLID
	10 ug/l	
Fluoranthene	10 ug/l	
Fluorene		
Heptachlor		
Heptchlor epoxide		8
Hexachlorobenzene	10 ug/l	
Hexachlorobutadiene	10 ug/l	
Hexachloroethane	10 ug/l	
Indeno(1,2,3-cd) pyrene		
Isophorone	10 ug/l	
Naphthalene	10 ug/l	
Nitrobenzene	10 ug/l	
N-nitrosodi-n-propylamine		
PCB-1016		
PCB-1221	F	
PCB-1232		
PCB-1242		
PCB-1248		
PCB-1254		
PCB-1260	10 ug/l	
Phenanthrene	10 ug/l	
Pyrene	2.4 %	
Toxaphene	10 ug/l	
1,2,4-trichlorobenzene	10 08-	
625 Acid Extractables	MDLs	SOLID
4-chloro-3-methylphenol		
2-chlorophenol		2
2,4-Dichlorophenol		
2,4-Dimethylphenol		
2,4-dintrophenol		
2-methyl-4,6-dinitrophenol		
2-nitrophenol		
4-nitrophenol		
Pentachlorophenol		
Phenol		
2,4,6-trichlorophenol		
2,4,0-memoropheno:		
METHOD 8015B		do I Ion
HILLIAN COLLEGE	MDLs	SOLID
Acetone	10 ug/l	*
Acetonic	10 ug/l	
Acrolein	10 ug/l	
Acrylonitrile	10 ug/l	
Allyl alcohol	10 ug/l	20
1-Butanol (n-Butyl alcohol)	10 ug/l	*5
1-Dutanor (ii But) i messes)		

Page 13		
Method 8015B continued	*	
Method 6013B continue	MDLs	SOLID
t-Butyl alcohol	10 ug/l	
2-Chloroacylonitrile	10 ug/l	
2-Chloroethyl vinyl ether	10 ug/l	
Crotonaldehyde	10 ug/l	
Diethyl ether	10 ug/l	29
1,4-Dioxane	10 ug/l	
Epichlorohydrin	10 ug/l	
Ethanol	10 ug/l	
Ethyl acetate	10 ug/l	
Ethyl glycol	10 ug/l	
Ethylene oxide	10 ug/l	
Hexafluoro-2-propanol (I.S.)	10 ug/l	
Hexafluoro-2-methyl		
2-propanol (I.S.)	10 ug/l	
Isobutyl alcohol	10 ug/l	8
Isopropyl alcohol	10 ug/l	
Methanol	10 ug/l	
Methyl ethyl ketone (MEK)	10 ug/l	
Methyl isobutyl ketone (MIBK)	10 ug/l	
N-Nitroso-di-n-butylamine	10 ug/l	
Paraldehyde	10 ug/l	
2-Pentanone	10 ug/l	
2-Picoline	10 ug/l	
1-Propanol	10 ug/l	
Propionitrile	10/ug/l	
DRO	10/ug/l	
GRO	10/ug/l	
ORO	10/ug/l	*
OKO		
METHOD 8041 Phenols by GC		~~~ TD
METHOD of 12 2222	MDLs	SOLID
4-Chloro-3-metyhlphenol		
2-Chlorophenol		
2-Cyclohexyl-4,6-dinitrophenol		
2,4-Dichlorophenol		
2,6-Dichlorophenol		
2,4-Dimethylphenol		
Dinoseb (DNBP)	63	
2,4-Dintrophenol		
2-Methyl-4,6-dinitrophenol		
2-Methylphenol (o-Cresol)		
3-Methylphenol (m-Cresol)		
4-Methylphenol (p-Cresol)		
2-Nitrophenol	(9)	5
4-Nitrophenol		
Pentachlorophenol		
1 cittacinotophonor		

Method 8041 Phenols by GC continued

MDLs

SOLID

Phenol

2,3,4,5-Tetrachlorophenol

2,3,4,6-Tetrachlorophenol

2,3,5,6-Tetrachlorophenol

2,4,5-Trichlorophenol

2,4,6-Trichlorophenol

2-Chloro-5-methylphenol

4-chloro-2-methylphenol

3-Chlorophenol

4-Chlorophenol

2,3-Dichlorophenol

2,5-Dichlorophenol

3,4-Dichlorophenol

3,5-dichlorophenol

2,3-Dimethylphenol

2,5-Dimethylphenol

2,6-Dimethylphenol

3,4-Dimethylphenol

2,5-Dinitrophenol

3-Nitrophenol

2,3,4-Trichlorophenol

2,3,5-Trichlorophenol

2,3,6-Trichlorophenol

METHOD 8100 Polynuclear Aromatic Hydrocarbons

MDLs

SOLID

Acenaphthene

Acenaphthylene

Anthracene

Benzo(a)anthracene

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(j)fluoranthene

Benzo(k)fluoranthene

Benzo(ghi)perylene

Chrysene

Dibenz(a,h,)acridine

Dibenz(a,j)acrodome

Dibenzo(a,h)anthracene

7H-Dibenzo(c,g)carbazole

Dibenzo(a,e)pyrene

Dibenzo(a,h)pyrene

Dibenzo(a,1)pyrene

Fluoranthene

Fluorene

Page 15		
Method 8100 Polynuclear Aromatic H	Ivdrocarbons continued	**
Method 9100 1 olyhacicai 731 oliante 21	MDLs	SOLID
Indo(1,2,3-cd)pyrene		
3-Methhylcholanthrene	a a	
Naphthalene	*	
Phenanthrene		
Pyrene		
1 yielle	13	
METHOD 8121, Chlorinated Hydroc	earbons	
WIETHOD 0222,	MDLs	SOLID
Benzal chloride	10ug/l	20
Benzotrichloride	10ug/l	
Benzyl chloride	10ug/l	
2-Chloronaphthalene	10ug/l	<i>a</i>
1,2-Dichlorobenzene	10ug/l	
1,3-Dichlorobenzene	10ug/l	
1,4-Dichlorobenzene	10ug/l	
Hexachlorobenzene	10ug/l	
Hexachlorobutadiene	10ug/l	
α-Hexachlorocyclohexane (α-BHC)	10ug/l	
β-Hexachlorocyclohexane (β-BHC)	10ug/l	
γ-Hexachlorocyclohexane (γ-BHC)	10ug/l	
δ-Hexachlorocyclohexane (δ-BHC)	10ug/l	
Hexachlorocyclopentadiene	10ug/l	
Hexachloroethane	10ug/l	
Pentachlorobenzene	10ug/l	
1,2,3,4-Tetrachlorobenzene	10ug/l	
1,2,3,5-Tetrachlorobenzene	10ug/l	
1,2,4,5-Tetrachlorobenzene	10ug/l	
1,2,4-Trichlorobenzene	10ug/l	
1,2,3,-Trichlorobenzene	10ug/l	
1,3,5-Trichlorobenzene	10ug/l	
and the second s	V 1 1	
METHOD 8151A, Chlorinated Her	bicides	SOLID
	MDLs	SOLID
2,4-D		8
2,4-DB		
2,4,5-TP(Silvex)		
2,4,5-T		
Dalapon		
Dicamba		
Dichloroprop		
Dinoseb		¥
MCPA		
MCPP		2
4-Nitrophenol		
Pentachlorophenol Aciflouorfen		
Acmounten		

Method 8151A.	Chlorinated Herbicides continued
Witthou of city	MDLs

SOLID

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

METHOD 8260

Acetone

Acetonitrile

MDLs
10 ug/l
10 ug/l
10 ug/l

Acrolein (Propenal)

Acrylonitrile

Allyl alcohol

Allyl chloride

Benzene

Benzyl chloride

Bis(2-chloroethyl)sulfide

Bromoncetone

10 ug/l
10 ug/l
10 ug/l
10 ug/l
10 ug/l

Bromoacetone
Bromochloromethane
Bromodichloromethane
4-Bromofluorobenzene

10 ug/l
10 ug/l
10 ug/l

Bromoform 10 ug/l
Bromomethane 10 ug/l
n-Butanol 10 ug/l
2-Butanone (MEK) 10 ug/l

2-Butanone (MEK)
10 ug/l
t-Butylalcohol
10 ug/l
Carbon disulfide
10 ug/l
10 ug/l

Carbon tetrachloride 10 ug/l
Chloral hydrate 10 ug/l
Chlorobenzene 10 ug/l

Chlorodibromomethane

Chloroethane

Chloroethane

Chloroethanol

Ug/l

10 ug/l

2-Chloroethanol 10 ug/l
2-Chloroethyl vinyl ether 10 ug/l
Chloroform 10 ug/l
Chloromethane 10 ug/l

Chloromethane
Chloroprene
3-Chloropropionitrile
Crotonaldehyde
10 ug/l
10 ug/l

Crotonaldehyde

1,2-Dibromo-3-chloropropane

1,2-Dibromoethane

10 ug/l

10 ug/l

10 ug/l

1,2-Dichlorobenzene 10 ug/l 1,3-Dichlorobenzene 10 ug/l 1,4-Dicholorbenzene 10 ug/l

ACCEPTOD 0260 continued		
METHOD 8260 continued	MDLs	SOLID
cis-1,4-Dichloro-2-butene	10 ug/l	3
trans-1,4-Dichloro-2-butene	10 ug/l	
Dichlorodifluoromethane	10 ug/l	
	10 ug/l	9
1,1-Dichloroethane	10 ug/l	
1,2-Dichloroethane	10 ug/l	
1,1-Dichloroethene trans-1,2-Dichloroethene	10 ug/l	
1,2-Dichloropropane	10 ug/l	
1,3-Dichloro-2-propanol	10 ug/l	
cis-1,3-Dicholopropene	10 ug/l	
trans-1,3-Dicholoropropene	10 ug/l	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
1,2,3,4-Dipoxybutane	10 ug/l	
	10 ug/l	
Diethyl ether 1,4-Difouorobenzene	10 ug/l	海
1,4-Dioxane	10 ug/l	
	10 ug/l	,
Epichlorohydrin Ethanol	10 ug/l	
	10 ug/l	
Ethyl acetate	10 ug/l	
Ethylbenzene Ethylene oxide	10 ug/l	
Ethyl methacrylate	10 ug/l	48
Fluorobenzene	10 ug/l	
Hexachlorobutadiene	10 ug/l	
Hexachloroetane	10 ug/l	
	10 ug/l	
2-Hexanone	10 ug/l	
2-Hydroxypropionitrile	10 ug/l	
Iodometane	10 ug/l	
Isobutyl alcohol	10 ug/l	
Isopropylbenzene	10 ug/l	
Malononitrile	10 ug/l	
Methacrylonitrile	10 ug/l	ai .
Methanol	10 ug/l	
Methlylene chloride	10 ug/l	
Methyl methacrylate	10 ug/l	
4-Methyl-2-pentanone (MIBK)	10 ug/l	
Naphthalene	10 ug/l	
Nitrobenzene	10 ug/l	
2-Nitropropane	10 ug/l	
N-Nitroso-di-n-butylamine	10 ug/l	
Paraldehyde	10 ug/l	
Pentachloroethane	10 ug/l	
2-Pentanone	10 ug/l	
2-Picoline	10 ug/l	
1-Propanol	10 ug/l	
2-Propanol	10 ug/l	
Propargyl alcohol	To ug/T	

Page	18	
METH	OD 826	0 continued

MDLs
10 ug/l

SOLID

SOLID

Method 8270	
1/10/11/04/02/9	MDLs
Acenaphthene	10
Acenaphthylene	10
Acetophenone	10
2-Acetylaminofluorene	20
1-Acetyl-2-thiourea	1000
2-Aminoanthraquinone	20
Aminoazobenzene	10
4-Aminobiphenyl	20
Anilazine	100
Aniline	
o-Anisidine	10
Anthracene	10
Aramite	20
Azinphos-methyl	100
Benzidine	
Benzoic acid	50
Benz(a)anthracene	10
Benzo(b)fluoranthene	10
Benzo(k)fluoranthene	10
Benzo(g,h,i,)perylene	10
Benzo(a)pyrene	10
p-Benzoquinone	10
P Domo T	

rage 17			
METHOD 8270 continued	MDLs		SOLID
P1-1-1-1	20		
Benzyl alcohol	10		
Bis(2-chloroethoxy)methane	10		
Bis(2-chloroethyl)ether	10	*	
Bis(2-chloroisoproply) ether	10	st	
Bis(2-ethylhexyl)phthalate	10		39
4-Bromophenyl phenyl ether	10		
Bromoxynil	10		
Butyl Benzyl phthalate	10		
Captafol	20		
Captan	50		
Carbaryl	10		
Carbofuran	10		
Carbophenothion	10		
Chlordane	0000010		
Cholrfenvinphos	20		
4-Choloraniline	20		
Chlorobenzilate	10		
5-Chloro-2-methlyaniline	20		
4-Chloro-3-methylphenol	20		
3-(Chloromethyl)pyridine hydrochloride	100		
1-Chloronaphthalene			
2-Chloronaphthalene	10		
2-Chlorophenol	10		
4-Chloro-1,2-phenylenediamine		35	
4-Chloro-1,3-phenylenediamine			
4-Cholorphenyl phenyl ether	10		
	10		
Chrysene	40		
Coumaphos	10	£	
p-Cresidine	20		
Crotoxyphos	100		
2-Cyclohexyl-4,6-dinitro-phenol	100		
Demeton-O	10		
Demeton-S	10		
Diallate (cis or trans)	20		
2,4-Diaminotoluene	10		
Dibenz(a,j)acridine			
Dibenz(a,h)anthracene	10		
Dibenzofuran	10		
Dibenzo(a,e)pyrene	10		
1,2-Dibromo-3-chloropropane	4.0		
Di-n-butyl phthalate	10	e	
Diclone			
1,2-Dichlorobenzene	10		
1,3-Dichlorobenzene	10		
1,4-Dichlorobenzene	10		
3,3'-Dichlorobenzidine	20		
3	92		

Page 20		
METHOD 8270 continued	MDI o	SOLID
	MDLs	SOLID
2,4-Dichlorophenol	10	
2,6-Dichlorophenol	10	
Dichlorovos	10	
Dicrotophos	10	
Diethyl phathalate	10	
Diethyelstilbestrol	20	
Dimethoate	20	
3,3'-Dimethoxybenzidine	100	
Dimethylaminoazobenzene	10	
7,12-Dimethylbenz(a)anthracene	10	
3,3'-Dimethylbenzidiene	10	2
2,4-Dimethylphenol	10	
Dimethyl phthalate	10	
1,2-Dinitrobenzene	40	
1,3-Dinitrobenzene	20	10
1,4-Dinitrobenzene	40	
4,6-Dinitro-2-methylphenol	50	
2,4-Dinitrophenol	50	
2,4-Dinitrotoluene	10	*
2,6-Dinitrotoulene	10	
5,5-Diphenylhydantoin	20	8
1,2-Diphenylhydrazine		
Di-n-octyl phthalate	10	
Disulfoton	10	
EPN	10	
Ethion	10	
Ethyl carbamate	50	
Ethyl methanesulfonate	20	
Famphur	20	
Fensulfothion	40	
Fenthion	10	
Fluchloralin	20	
Fluoranthene	10	
Fluorene	10	
2-Fluorobiphenyl		
2-Fluorophenol Hexachlorobenzene	10	
Hexachlorobutadiene	10	
	10	
Hexachlorocyclopentadiene	10	
Hexachloroethane	50	
Hexacholorophene	20	
Hexamethylphosphoramide	20	
Hydroquinone	10	
Indeno(1,2,3-cd)pyrene	20.	*
Isodrin	10	
Isophorone	10	

MDLs SOLD	rage zi		
Sosafrole	METHOD 8270 continued	MDLs	SOLID
Sosarrois Sosa	1.000		
Leptophos			
Mestranol	The state of the s		
Methapyrilene 100 3-Methylcholanthrene 10 Methyl methanesulfonate 10 2-Methlylphenol 10 3-Methylphenol 10 4-Methylphenol 10 4-Methylphenol 40 Monocrotophos 40 Naphthalene 10 1,4-Naphthoquinone 10 1-Naphthylamine 10 1-Naphthylamine 10 1-Naphthylamine 10 Nicotine 20 5-Nitroacenaphthene 20 2-Nitroaniline 50 3-Nitroaniline 20 4-Nitroaniline 20 5-Nitro-o-toluidine 40 4-Nitrosodi-n-butylamine 10 N-Nitrosodi-n-butylamine 10 N-Nitrosodimethylamine 20 N-Nitrosodi-n-propylamine 10 N-Nitrosomorpholine 20 N-Nitrosopiperidine 20 N-Nitrosopiperidine 20 N-Nitrosopiperidine 20 N-Nitrosopiperidine	* -		
Methyl methanesulfonate 10			
Methyl methanesulfonate 10	Methapyrilene		
2-Methylnaphthalene	3-Methylcholanthrene		
2-Methlyphenol 10 3-Methylphenol 10 4-Methylphenol 10 Monocrotophos 40 Naphthalene 10 1,4-Naphthoquinone 10 1-Naphthylamine 10 2-Naphthylamine 10 Nicotine 20 5-Nitroacenaphthene 20 3-Nitroaniline 50 4-Nitroaniline 20 5-Nitroaniline 20 5-Nitro-o-toluidine 10 4-Nitrosodi-n-butylamine 10 N-Nitrosodiethylamine 10 N-Nitrosodimethylamine 10 N-Nitrosodimethylamine 10 N-Nitrosopiproidine 20 Pentachlorobenzene 10 Pentachlorohenzene 20 Pentachlorohenol 50 Phenacetin 20 Phenanthrene 10 Phenobarbital 10 Phenol 10 1,4-Phenylenediamine 10 Phosalone 100 Phosamet 40	Methyl methanesultonate		
2-Nethrylphenol 10 4-Methylphenol 10 Monocrotophos 40 Naphthalene 10 1,4-Naphthoquinone 10 1-Naphthylamine 10 2-Naphthylamine 10 2-Naphthylamine 10 2-Nitroacenaphthene 10 2-Nitroaniline 50 3-Nitroaniline 50 4-Nitroaniline 10 4-Nitrosodi-n-butylamine 10 N-Nitrosodien-propylamine N-Nitrosodiphenylamine 10 N-Nitrosodiphenylamine 10 N-Nitrosopyrrolidine 20 N-Nitrosopyrrolidine 20 N-Nitrosopyrrolidine 20 N-Nitrosopyrrolidine 20 N-Nitrosopyrrolidine 20 N-Nitrosophonoline N-Nitrosophoramide 20 N-Nitrosophonoline N-Nitrosophoramide 20 N-Nitrosophonoline N-Nitrosophoramide 20 N-Nitrosophonoline N-Nitrosophoramide 20 N-Nitrosophonoline 20 N-Nitrosophonoline 20 N-Nitrosophonoline 20 N-Nitrosophonoline 20 Pentachlorophenol 50 Phenacetin 20 Phenacetin 20 Phenobarbital 10 Phenol 10 1,4-Phenylenediamine 10 Phosalone 100 Phosmet 100			
4-Methylphenol			
Monocrotophos	3-Methylphenol		
Monocroupinos 10 1,4-Naphthoquinone 10 1-Naphthylamine 10 2-Naphthylamine 10 Nicotine 20 5-Nitroacenaphthene 10 2-Nitroaniline 50 3-Nitroaniline 50 4-Nitroaniline 20 5-Nitro-o-toluidine 10 4-Nitroquinoline-1-oxide 40 N-Nitrosodien-butylamine 10 N-Nitrosodiethylamine 20 N-Nitrosodiethylamine 10 N-Nitrosodien-propylamine 10 N-Nitrosodien-propylamine 10 N-Nitrosodien-propylamine 20 N-Nitrosopiperidine 20 N-Nitrosopiperidine 20 N-Nitrosopiperidine 20 N-Nitrosopiperidine 20 N-Nitrosopiperidine 20 Pentachlorobenzene 10 Pentachlorophenol 50 Pentachlorophenol 50 Pentachlorophenol 50 Phenacetin 10	4-Methylphenol		
1,4-Naphthoquinone			
1-Naphthylamine	Naphthalene		Ħ
2-Naphthylamine Nicotine 5-Nitroacenaphthene 2-Nitroaniline 3-Nitroaniline 3-Nitroaniline 3-Nitroaniline 3-Nitro-o-toluidine 4-Nitroquinoline-1-oxide N-Nitrosodi-n-butylamine N-Nitrosodiethylamine N-Nitrosodiethylamine N-Nitrosodiethylamine N-Nitrosodiphenylamine N-Nitrosodiphenylamine N-Nitrosopiperidine			
Nicotine 20 5-Nitroacenaphthene 10 2-Nitroaniline 50 3-Nitroaniline 50 4-Nitroaniline 20 5-Nitro-o-toluidine 10 4-Nitrosodi-n-butylamine 10 N-Nitrosodiethylamine 10 N-Nitrosodiethylamine 10 N-Nitrosodiehylamine 10 N-Nitrosodiehylamine 10 N-Nitrosodiehylamine 10 N-Nitrosodiphenylamine 10 N-Nitrosopiperidine 20 N-Nitrosopiperidine 20 N-Nitrosopiperidine 20 N-Nitrosopiperidine 20 N-Nitrosopiperidine 20 20 4-4'-Oxydianiline 20 Pentachlorophenol 20 Pentachlorophenol 50 Phenacetin 20 Phenacetin 20 Phenacetin 20 Phenacetin 20 Phenobarbital 10 Phenolatical 10 Phenolatical 10 Phenolatical 10 Phorate 10 Phosalone Phosmet 40 Phosmet			
Solitroacenaphthene			
2-Nitroaniline 50 3-Nitroaniline 50 4-Nitroaniline 20 5-Nitro-o-toluidine 10 4-Nitrosodi-n-butylamine 10 N-Nitrosodiethylamine 20 N-Nitrosodimethylamine 10 N-Nitrosodiphenylamine 10 N-Nitrosodiphenylamine 10 N-Nitrosodiphenylamine 10 N-Nitrosomorpholine 20 N-Nitrosopyrrolidine 20 N-Nitrosopyrrolidine 20 N-Nitrosopyrrolidine 200 4-4'-Oxydianiline 200 4-4'-Oxydianiline 200 Pentachlorohenol 50 Phenacetin 20 Phenanthrene 10 Phenobarbital 10 Phenol 10 Phorate 100 Phosmet 100			
3-Nitroaniline 50 4-Nitroaniline 20 5-Nitro-o-toluidine 10 4-Nitrosodi-n-butylamine 10 N-Nitrosodiethylamine 20 N-Nitrosodimethylamine 10 N-Nitrosodimethylamine 10 N-Nitrosodimethylamine 10 N-Nitrosodin-propylamine 10 N-Nitrosomorpholine 20 N-Nitrosopyrrolidine 20 N-Nitrosopyrrolidine 20 N-Nitrosopyrrolidine 20 N-Nitrosopyrrolidine 20 Pentachlorobenzene 10 Pentachloroitrobenzene 20 Pentachlorophenol 50 Phenacetin 20 Phenactin 20 Phenol 10 1,4-Phenylenediamine 10 Phosmet 10 Phosmet 100 PN-Nitrosopyrrolidine 20 Phosmet 100 Phosmet			
4-Nitroaniline 20 5-Nitro-o-toluidine 10 4-Nitrosodi-n-butylamine 10 N-Nitrosodiethylamine 20 N-Nitrosodimethylamine 10 N-Nitrosodimethylamine 10 N-Nitrosodiphenylamine 10 N-Nitrosodiphenylamine 10 N-Nitrosomorpholine 20 N-Nitrosopiperidine 20 N-Nitrosopiperidine 20 N-Nitrosopiperidine 20 N-Nitrosopiperidine 20 N-Nitrosopyrrolidine 20 Pentachlorobenzene 10 Pentachlorobenzene 20 Pentachloromitrobenzene 20 Pentachlorophenol 50 Phenacetin 20 Phenactin 20 Phenol 10 1,4-Phenylenediamine 10 Phosalone 100 Phosmet 100			
5-Nitro-o-toluidine			
4-Nitroquinoline-1-oxide N-Nitrosodi-n-butylamine N-Nitrosodiethylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine N-Nitrosodin-propylamine N-Nitrosomorpholine N-Nitrosopyrrolidine N-Nitrosopyrrolidine Octamethyl pyrophosphoramide 4-4'-Oxydianiline Pentachlorobenzene Pentachloronitrobenzene Pentachlorophenol Phenacetin Phenanthrene Phenobarbital Phenol 1,4-Phenylenediamine Phosalone Phosmet 40 20 40 20 20 20 20 20 20 20			
N-Nitrosodi-n-butylamine N-Nitrosodimethylamine N-Nitrosodimethylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine N-Nitrosodi-n-propylamine N-Nitrosomorpholine N-Nitrosopiperidine N-Nitrosopyrrolidine Octamethyl pyrophosphoramide 4-4'-Oxydianiline Pentachlorobenzene Pentachloronitrobenzene Pentachlorophenol Phenacetin Phenanthrene Phenobarbital Phenol 1,4-Phenylenediamine Phosalone Phosmet 10 10 10 10 10 10 10 10 10 1			
N-Nitrosodiethylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine N-Nitrosodiphenylamine N-Nitrosodi-n-propylamine N-Nitrosomorpholine N-Nitrosopiperidine N-Nitrosopyrrolidine Octamethyl pyrophosphoramide 4-4'-Oxydianiline Pentachlorobenzene Pentachlorohenzene Pentachlorophenol Phenacetin Phenacetin Phenobarbital Phenol 1,4-Phenylenediamine Phosalone Phosmet Phosmet 20 20 20 20 20 20 20 20 20 2	4-Nitroquinoline-1-oxide		A#
N-Nitrosodimethylamine N-Nitrosodiphenylamine N-Nitrosodi-n-propylamine N-Nitrosomorpholine N-Nitrosopiperidine N-Nitrosopyrrolidine N-Nitrosopyrrolidine Octamethyl pyrophosphoramide 4-4'-Oxydianiline Pentachlorobenzene Pentachloronitrobenzene Pentachlorophenol Phenacetin Phenacetin Phenobarbital Phenol 1,4-Phenylenediamine Phorate Phosalone Phosmet Phosmet	N-Nitrosodi-n-butylamine		
N-Nitrosodi-n-propylamine N-Nitrosomorpholine N-Nitrosopiperidine N-Nitrosopyrrolidine N-Nitrosopyrrolidine Octamethyl pyrophosphoramide 4-4'-Oxydianiline Pentachlorobenzene Pentachloronitrobenzene Pentachlorophenol Phenacetin Phenanthrene Phenobarbital Phenol 1,4-Phenylenediamine Phorate Phosalone Phosmet	N-Nitrosodiethylamine	20	
N-Nitrosodi-n-propylamine N-Nitrosomorpholine N-Nitrosopiperidine N-Nitrosopyrrolidine Octamethyl pyrophosphoramide 4-4'-Oxydianiline Pentachlorobenzene Pentachloronitrobenzene Pentachlorophenol Phenacetin Phenacetin Phenobarbital Phenol 1,4-Phenylenediamine Phorate Phosalone Phosmet Phosmet	N-Nitrosodimethylamine	10	
N-Nitrosomorpholine N-Nitrosopiperidine N-Nitrosopyrrolidine Octamethyl pyrophosphoramide 4-4'-Oxydianiline Pentachlorobenzene Pentachloronitrobenzene Pentachlorophenol Phenacetin Phenacetin Phenobarbital Phenol 1,4-Phenylenediamine Phorate Phosalone Phosmet 20 20 20 20 20 20 20 20 20 2	N-Nitrosodiphenylamine		
N-Nitrosopyrrolidine N-Nitrosopyrrolidine Octamethyl pyrophosphoramide 4-4'-Oxydianiline Pentachlorobenzene Pentachloronitrobenzene Pentachlorophenol Phenacetin Phenanthrene Phenobarbital Phenol 1,4-Phenylenediamine Phorate Phosalone Phosmet 20 20 20 20 10 10 10 10 10 10		10	
N-Nitrosopyrrolidine Octamethyl pyrophosphoramide 4-4'-Oxydianiline Pentachlorobenzene Pentachloronitrobenzene Pentachlorophenol Phenacetin Phenanthrene Phenobarbital Phenol 1,4-Phenylenediamine Phorate Phosalone Phosmet 40 200 20 20 20 10 10 10 10 10	N-Nitrosomorpholine	20	
Octamethyl pyrophosphoramide 4-4'-Oxydianiline Pentachlorobenzene Pentachloronitrobenzene Pentachlorophenol Phenacetin Phenanthrene Phenobarbital Phenol 1,4-Phenylenediamine Phosalone Phosmet Phoxydianiline 20 20 20 20 20 20 20 20 20 20 20 20 20	N-Nitrosopiperidine		ξ' ₁
Octamethyl pyrophosphoramide 4-4'-Oxydianiline Pentachlorobenzene Pentachloronitrobenzene Pentachlorophenol Phenacetin Phenacetin Phenanthrene Phenobarbital Phenol 1,4-Phenylenediamine Phorate Phosalone Phosmet Phosmet	N-Nitrosopyrrolidine		
4-4'-Oxydianiline20Pentachlorobenzene10Pentachloronitrobenzene20Pentachlorophenol50Phenacetin20Phenanthrene10Phenobarbital10Phenol101,4-Phenylenediamine10Phorate10Phosalone40Phosmet40	Octamethyl pyrophosphoramide		
Pentachlorobenzene 10 Pentachloronitrobenzene 20 Pentachlorophenol 50 Phenacetin 20 Phenanthrene 10 Phenobarbital 10 Phenol 10 1,4-Phenylenediamine 10 Phorate 10 Phosalone 40 Phosmet 100			
Pentachlorophenol 50 Phenacetin 20 Phenanthrene 10 Phenobarbital 10 Phenol 10 1,4-Phenylenediamine 10 Phorate 10 Phosalone 40 Phosmet 100			
Phenacetin Phenanthrene Phenobarbital Phenol 1,4-Phenylenediamine Phorate Phosalone Phosmet 20 10 10 10 10 10 10 10 10 10 10 10 10 10	Pentachloronitrobenzene		
Phenacetin Phenanthrene Phenobarbital Phenol 1,4-Phenylenediamine Phorate Phosalone Phosmet 20 10 10 10 10 10 10 10 40	Pentachlorophenol		
Phenalthrene Phenobarbital Phenol 1,4-Phenylenediamine Phorate Phosalone Phosmet 10 10 10 10 10 10 40			
Phenobarbital 10 Phenol 10 1,4-Phenylenediamine 10 Phorate 10 Phosalone 100 Phosmet 40	Phenanthrene		
Phenol 10 1,4-Phenylenediamine 10 Phorate 10 Phosalone 100 Phosmet 40			
1,4-Phenylenediamine Phorate 10 10 10 10 Phosalone Phosmet 40			
Phorate 10 Phosalone 100 Phosmet 40			
Phosalone 100 Phosmet 40			
Phosmet 40	ACTIVITIES OF THE PROPERTY OF		
100			
	Phosphamidon	100	

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METHOD 8270 continued MDLs SOLID Phthalic anhydride 100 100 2-Picoline (2-Methylpyridine Piperonyl sulfoxide 100 100 Pronamide 10 100 Propylthiouracil 100 100 Pyrene 10 10 Pyridine 10 10 Resorcinol 10 10 Safrole 40 10 Strychnine 20 1 Sulfallate 10 10 Terbufos 20 1,2,4,5-Tetrachlorobenzene 1,2,4,5-Tetrachlorophenol 10 20 Tetrachlorvinphos 20 1 Tetrachlorypophosphate 40 10 Thiophenol (Benzenethiol) 20 1 Toulidine 10 1 Towaphene 2,4,6-Tribnorobenzene 10 2,4,5-Trichlorophenol 10 1 1,2,4-Trichlorophenol 10 1 2,4,5-Trichlorophenol 10 1 2,4,5-Trichloroph	Page 22			
Phthalic anhydride	METHOD 8270 continued	MDI		SOLID
Phthate annyarite 2-Picoline (2-Methylpyridine Piperonyl sulfoxide Pronamide Propylthiouracil Pyrene Pyridine Resorcinol Safrole Strychnine Sulfallate Terbufos 1,2,4,5-Tetrachlorobenzene 2,3,4,6-Tetrachlorophenol Tetrachlorvinphos Tetraethyl pyrophosphate Thionazine Thiophenol (Benzenethiol) Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Trichlorobenol 1,2,4-Trichlorobenol 1,2,4-Trichlorobenol 1,2,4-Trichlorobenol 1,2,4-Trichlorobenol 1,2,4-Trichlorophenol 1,2,4-Trichlorophenol 1,2,5-Trimethylaniline Trimethyl phosphate Trimethyl phosphate 10 10 11 10 11 11 11 11 12 13,5-Trimitrobenzene 11 11 11 11 11 11 11 11 11 11 11 11 11				50,2
2-Picoline (2-Methylpyridine Piperonyl sulfoxide Pronamide Propylthiouracil Pyrene Pyridine Resorcinol Safrole Strychnine Sulfallate Terbufos 1,2,4,5-Tetrachlorobenzene 2,3,4,6-Trichlorophenol Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Trichlorophenol 1,2,4,5-Trichlorophenol 1,2,4,5-Trichlorophenol 1,2,4,5-Trichlorophenol 1,2,4,5-Trimethylaniline Trimethyl phosphate Trisitca,3-dibromopropyl) phosphate Trisitca,3-dibromopropyl) phosphate Trisitca,3-dibromopropyl) phosphate Trinethyl phosphate Trisitca,3-dibromopropyl) phosphate	Phthalic anhydride	100		
Piperonyl sulfoxide Pronamide Propylthiouracil Pyrene Pyridine Resorcinol Safrole Strychnine Sulfallate Terbufos 1,2,4,5-Tetrachlorophenol Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Trichlorophenol 1,2,4,5-Trichlorophenol 1,2,4,5-Trichlorophenol 1,2,4,5-Trichlorophenol 1,2,4,5-Trichlorophenol 1,2,4,5-Trichlorophenol 1,2,4,5-Trichlorophenol 1,2,4,5-Trichlorophenol 1,2,4,5-Triintrobenzene 2,4,5-Triintrobenzene 1,3,5-Trimitrobenzene 1,3,5-Trinitrobenzene	2-Picoline (2-Methylpyridine	100		
Pronamide 10 Propylthiouracil 10 Pyrene 10 Pyridine 100 Resorcinol 10 Safrole 10 Strychnine 40 Sulfallate 20 Terbufos 20 1,2,4,5-Tetrachlorobenzene 10 2,3,4,6-Tetrachlorophenol 10 Tetraethorvinphos 20 Tetraethyl pyrophosphate 40 Thionazine 20 Thiophenol (Benzenethiol) 20 Toulene diisocyanate 10 o-Toulidine 10 Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 10 2,4,5-Trichlorophenol 10 17:fluralin 10 2,4,5-Trimethylaniline 10 Trimethyl phosphate 10 1,3,5-Trinitrobenzene 10 Tris(2,3-dibromopropyl) phosphate 200	Piperonyl sulfoxide			
Propylthourach Pyrene Pyridine Resorcinol Safrole Strychnine Sulfallate Terbufos 1,2,4,5-Tetrachlorobenzene 2,3,4,6-Tetrachlorophenol Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Trirbromophenol 1,2,4-Trichlorophenol 2,4,5-Trinethylaniline Trimethyl phosphate 10 10 10 10 10 10 10 10 10 10 10 10 10	Pronamide			
Pyridine 100 Resorcinol 100 Safrole 10 Strychnine 40 Sulfallate 20 Terbufos 10 1,2,4,5-Tetrachlorobenzene 10 2,3,4,6-Tetrachlorophenol 10 Tetrachlorvinphos 20 Tetraethyl pyrophosphate 40 Thionazine 20 Thiophenol (Benzenethiol) 20 Toulene diisocyanate 10 0-Toulidine 10 Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 10 2,4,5-Trichlorophenol 10 17:fluralin 10 2,4,5-Trimethylaniline 10 Trimethyl phosphate 10 1,3,5-Trinitrobenzene 10 Tris(2,3-dibromopropyl) phosphate 200	Propylthiouracil			
Pyridine 100 Resorcinol 10 Safrole 40 Strychnine 40 Sulfallate 10 Terbufos 20 1,2,4,5-Tetrachlorobenzene 10 2,3,4,6-Tetrachlorophenol 10 Tetrachlorvinphos 20 Tetraethyl pyrophosphate 40 Thionazine 20 Thiophenol (Benzenethiol) 20 Toulene diisocyanate 10 o-Toulidine 10 Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 10 2,4,5-Trichlorophenol 10 17:fluralin 10 2,4,5-Trimethylaniline 10 Trimethyl phosphate 10 1,3,5-Trinitrobenzene 10 Tris(2,3-dibromopropyl) phosphate 200		10		
10 3afrole 40 5trychnine 10 40 5trychnine 10 40 5trychnine 10 5trychnine 10 10 5trychnine 10 10 5trychnine 10 10 10 10 10 10 10 1		100		
Strychnine Sulfallate Terbufos 1,2,4,5-Tetrachlorobenzene 2,3,4,6-Tetrachlorophenol Tetrachlorvinphos Tetraethyl pyrophosphate Thionazine Thiophenol (Benzenethiol) Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 1,2,4-Trichlorophenol 1,2,4,5-Trichlorophenol 1,2,4,5-Trimethylaniline Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate 1,3,5-Trinitrobenzene Tris(2,3-dibromopropyl) phosphate Tris(2,3-dibromopropyl) phosphate				
Strychnine Sulfallate Terbufos 1,2,4,5-Tetrachlorobenzene 2,3,4,6-Tetrachlorophenol Tetrachlorvinphos Tetraethyl pyrophosphate Thionazine Thiophenol (Benzenethiol) Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 1,2,4,5-Trichlorophenol 1,2,4,5-Trimethylaniline Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate 10 10 11 10 11 11 11 11 11 11 11 11 11	Safrole			
Sulfallate Terbufos 1,2,4,5-Tetrachlorobenzene 2,3,4,6-Tetrachlorophenol Tetrachlorvinphos Tetraethyl pyrophosphate Thionazine Thiophenol (Benzenethiol) Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate Tris(2,3-dibromopropyl) phosphate Tris(2,3-dibromopropyl) phosphate	Strychnine			
Terburos 1,2,4,5-Tetrachlorobenzene 2,3,4,6-Tetrachlorophenol Tetrachlorvinphos Tetraethyl pyrophosphate Thionazine Thiophenol (Benzenethiol) Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate 1,3,5-Trinitrobenzene Tris(2,3-dibromopropyl) phosphate Touloute diisocyanate 10 10 10 10 10 10 10 10 10 10 10 10 10				
1,2,4,5-Tetrachlorophenol 2,3,4,6-Tetrachlorophenol Tetrachlorvinphos Tetraethyl pyrophosphate Thionazine Thiophenol (Benzenethiol) Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate Tris(2,3-dibromopropyl) phosphate Tiburalin Tris(2,3-dibromopropyl) phosphate	Terbufos			
2,3,4,6-Tetrachlorophenol Tetrachlorvinphos Tetraethyl pyrophosphate Thionazine Thiophenol (Benzenethiol) Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorophenol 2,4,6-Trichlorophenol 1,2,4,5-Trichlorophenol Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate 1,3,5-Trinitrobenzene Tris(2,3-dibromopropyl) phosphate Toxaphane 10 10 10 10 10 10 10 10 10 10 10 10 10	1,2,4,5-Tetrachlorobenzene			
Tetrachlorvinphos Tetraethyl pyrophosphate Thionazine Thiophenol (Benzenethiol) Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 10 Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate 1,3,5-Trinitrobenzene Tris(2,3-dibromopropyl) phosphate Tris(2,3-dibromopropyl) phosphate	2,3,4,6-Tetrachlorophenol			€1
Thionazine Thiophenol (Benzenethiol) Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate 1,3,5-Trinitrobenzene Tris(2,3-dibromopropyl) phosphate Toulene diisocyanate 10 10 10 11 10 10 11 10 10 10 11 10 10	Tetrachlorvinphos		E	
Thionazine Thiophenol (Benzenethiol) Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 10 11 10 11 10 11 10 11 11 11 11 11 11	Tetraethyl pyrophosphate			
Thiophenol (Benzencinior) Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 10 Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate 1,3,5-Trinitrobenzene Tris(2,3-dibromopropyl) phosphate 110 10 10 10 10 10 10 10 10 1	Thionazine			
Toulene diisocyanate o-Toulidine Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 10 Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate 110 110 110 110 110 110 110 110 110 11	Thiophenol (Benzenethiol)	20		84
Toxaphene 2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate 1,3,5-Trinitrobenzene Tris(2,3-dibromopropyl) phosphate	Toulene diisocyanate	10		257
2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 10 Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate 1,3,5-Trinitrobenzene Tris(2,3-dibromopropyl) phosphate 10 10 10 10 10 10 10 10 10 10 10 10 10	o-Toulidine	10		
2,4,6-Tribromophenol 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 10 Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate 1,3,5-Trinitrobenzene Tris(2,3-dibromopropyl) phosphate 10 10 10 10 10 10 10 10 10 10 10 10 10	Toxaphene			
1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 10 10 10 11 10 11 10 11 10 11 10 11 10 11 11	2,4,6-Tribromophenol	10		
2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 10 10 11 10 10 10 10 10 10 10 10 10 10	1,2,4-Trichlorobenzene			
2,4,6-Trichlorophenol Trifluralin 2,4,5-Trimethylaniline Trimethyl phosphate 1,3,5-Trinitrobenzene Tris(2,3-dibromopropyl) phosphate 10 10 10 10 10 10 10 10 10 10 10 10 10	2,4,5-Trichlorophenol			
Trifluralin 2,4,5-Trimethylaniline 10 10 11 10 10 10 10 10 10 10 10 10 10	2,4,6-Trichlorophenol			
Trimethyl phosphate 1,3,5-Trinitrobenzene Tris(2,3-dibromopropyl) phosphate 10 200	Trifluralin			
Trimethyl phosphate 1,3,5-Trinitrobenzene Tris(2,3-dibromopropyl) phosphate 10 200	2,4,5-Trimethylaniline			
1,3,5-Trinitrobenzene Tris(2,3-dibromopropyl) phosphate 200	Trimethyl phosphate			
Tris(2,3-dibromopropyl) phosphate	1.3.5-Trinitrobenzene			
Tri-p-tolyl phosphate	Tris(2,3-dibromopropyl) phosphate			
111 p to-1-1	Tri-p-tolyl phosphate	10		
O,O,O-Triethyl phosphorothioate	O,O,O-Triethyl phosphorothioate			X

METHOD 8310 Polynuclear Aromatic Hydrocarbons by HPLC

METHOD 8310 Polynuclear Arc	omatic Hydrocal bons by	mbe	
	MDLs		SOLID
Acenaphthene			
Acenaphthylene	160		
Anthracene			
Benzo(a)anthracene			
Benzo(a)pyrene			
Benzo(b)fluoranthene			
Benzo(k)fluoranthene			
Benzo(ghi)perylene			
Chrysene			

P	а	σ	e	23
1	a	K		100

Page 25	carbons by HPLC con	itinued
METHOD 8310 Polynuclear Aromatic Hydro	MDLs	SOLID

METHOD 8310 Polynuo	clear Ar	omatic Hydrocar.	MDLs	SOLI	0
Fluoranthene	- -		75 78		
Fluorene Indo(1,2,3-cd)pyrene Naphthalene Phenanthrene		9			
Pyrene					

TCLP RCRA Pesticides and Herbicides	PQL μg/l	SOLID
EPA 1311/SW846	2.0	
Chlordane	20.0	9
Endrin	2.0	*
Heptachlor (and its epoxide)	20.0	
Lindane	20.0	
Methoxychlor	2.0	
toxaphene	50.0	
2,4-D 2,4,5-TP(silvex)	10.0	

TCLP RCRA METALS	PQL μg/l	SOLID
EPA 1311/SW846		
	20.0	
Arsenic	500.0	
Barium	25.0	
Cadmium	250.0	
Chromium	500.0	363
Lead	2.0	
Mercury	20.0	
Selenium	50.0	
Silver	. 50,0	
TOT D Moletile Organics		COLIT

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

Page 24 TCLP Semi-Volatile Organics 8270 with 1311 extraction	MDLs	SOLID
o-cresol m,p-cresol 2,4-dinitrotoluene hexacholorobenzene hexachloro-1,3-butidiene hexachloroethane nitrobenzene pentachlorophenol pyridiene 2,4,5-trichlorophenol 2,4,6-trichlorophenol 1,4-dichlorobenzene	20.0 40.0 10.0 10.0 10.0 10.0 20.0 10.0 20.0 20.0 20.0 10.0	
RCRA General Chemistry	MDLs	SOLID
Ignitablilty Total Releasable Sulfide as H2S Total Releasable Cyanide as HCN	Corrosivity 5.0 1.0	

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

EPA 200.7/SW 7470/7471

MDL

Water/solid

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

MDL

5000 µg/l /1000 mg/Kg Sodium 10 μg/1/2 mg/Kg Thallium $20 \mu g/l/4 mg/Kg$ Vanadium $10 \mu g/l/2 mg/Kg$ Zinc

Priority Pollutant Metals-(Low Level option)Water

EPA 245.1

MDL

Mercury

0.2 ng/l

Priority Pollutant Metals (low level option)-soil

EPA 245.5

MDL

Mercury

0.1 mg/kg

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

		MDL	SOLID
PARAMETER	METHOD	MDLs	SOLID
Acetone	8260	10	
Acrylonitrile	8260	10	
Benzene	8260	1.0	
Bromochloromethane	8260	1.0	
Bromodichloromethane	8260	1.0	
Bromoform	8260	1.0	
Carbon disulfide	8260	10	
Carbon distinct	8260	1.0	i.e.
	8260	1.0	
Chlorobenzene	8260	1.0	
Chloroethane	8260	1.0	
Chloroform	8260	1.0	
Dibromochloromethane	8011	0.2	
1,2-Dibromo-3-chloropropane (DBCP)	8011	.05	
1,2,-Dibromoethane (EDB)	8260	1.0	
o-Dichlorobenzene	8260	1.0	
p-Dichlorobenzene	8260	1.0	
trans-1,4-Dichloro-2-butene	8260	1.0	
1,1-Dichloroethane	8260 8260	1.0	
1,2-Dichloroethane		1.0	
1,1-Dichloroethylene	8260	1.0	
cis-1,2-Dichloroethylene	8260		
trans-1,2-Dichloroethylene	8260	1.0	
1,2-Dichloropropane	8260	1.0	
cis-1,3-Dichloropropene	8260	1.0	
trans-1,3-Dichloropropene	8260	1.0	
7			

Page | 26

Soild Waste Phase 1 Organics (Title 33 Series 1 continued METHOD MDLs

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

ORGANIC ANALYSIS OF WATER AND SOIL DEP15706

Bid Schedule

Vendors Name: REI Consultants, In-	С —
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The DEP reserves the right to request additional information and supporting documentation regarding unit prices when the unit price appears to be unreasonable.

UNIT PRICE **ESTIMATED** ITEM | AMOUNT DESCRIPTION QUANTITY NO. Method 601, Purgeable Halocarbons - Sec page 7 1.0 842,40 Single compound analyis cost 70-20 1.1 12 Up to 10 compounds then complete list cost applies 2.15 25.80 12 1.2 1231.20 102.60 Complete list cost 1.3 12 Method 602, Purgeable Aromatics - See page 7 2.0 Single compound analysis cost 70.20 1053.00 15 2.1 70.20 1053.00 Complete list cost 2.2 15 Method 603, Acrolein & Acrylonitrile - See page 7 3.0 Single compound analysis cost 1134_00 75.60 15 3.1 1296.00 86.40 15 Complete list cost 3.2 Method 604, Phenois - See page 8 4.() \$ 1620.00 81.00 Single compound analysis cost 20 4.1 43.00 Up to 10 compounds then complete list cost applies 2.15 20 4.2 \$2,268.00 113.40 20 Complete list cost 4.3 Method 605, Benzidines - See page 8 5.0 NA NA Single compound analysis cost 12 NA NA-5.2 12 Complete list cost Method 606, Phthalate Esters - See page 8 6.0 Single compound analysis cost NA NA 12 6.1 NA NA Complete list cost 12 6.2 Method 607. Nitrosamines - See page 8 7.0 NA NA Single compound analysis cost 7.1 12 NA NA 12 Complete list cost 7.2 Method 608. Organochiorine Pesticides & PCBs - See page 8-9 0.3 75.00 1125.00 Single compound analysis cost 15 8.1 15 Up to 10 compounds then complete list cost applies 2.15 32.25 15 8.2 15 108.00 1620.00 Complete list cost 15 8.3

	ESTIMATED	DESCRIPTION		AMOUNT
10.	QUANTITY	DESCRIPTION		
		Q- 1000 Q		Marilla a li
0.0		Method 609, Nitroaromatics & Isophorone - See page 9		S NA
9.1	12	Single compound analysis cost	IVA	\$ NA
0.2	12	Complete list cost	IVA	
		J. II. describers See noge 9		
0.0		Method 610, Polynuclear Aromatic Hydrocarbons - See page 9	64.80	\$ 1296.00
0.1	20	Single compound analysis cost	01100	\$ 43.00
0.2	20	Up to 10 compounds then complete list cost applies		\$ 1836.00
0.3	20	Complete list cost	91.00	4 1050.00
11.0		Method 611, Halocthers - See page 9	37.4	S NA
11.1	12	Single compound analysis cost	NA NA	\$ NA NA
11.2	12	Complete list cost		·NA
		Soo mayo 10	X X	NA
2.0		Method 612, Chlorinated hydrocarbons - Sec page 10	NA NA	S NA
12.1	12	Single compound analysis cost	IVA	S
12.2	12	Complete list cost		
		D. Hoviy, See page 10		
13.0		Method 613, 2,3,7,8 Tetrachlorldibenzo-P-dioxin - See page 10	600.00	\$ 7200.00
13.1	12	Single compound analysis cost	000.00_	7200.00
. 14 15		Dibenzo-P-dioxins	•••••	
		Method 613, Tetra-through Octa-Chlorinated Dibenzo-P-dioxins		
14.0		(CDDs) & Dibenzofurans (CDFs) - See page 10	975.00	\$ 11,700.00
14.1	12	Complete list cost	973.00	11,700.00
		2011		
15.0		Method 624, Purgeables - See page 10-11	70.20	\$ 1404.00
15.1	20	Single compound analysis cost		\$ 65.00
15.2	20	Up to 10 compounds then complete list cost applies	3.25	\$ 2469.60
15.3	20	Complete list cost	123.48	7, 7409,00
		See 11 12		
16.0		Method 625, Base/Neutrals Extractables - See page 11-12	01 00	\$ 972.00
16.1	12	Single compound analysis cost	81.00	\$ 64.80
16.2	12	Up to 10 compounds then complete list cost applies	5.40 201.10	\$ 2413.20
16.3	12	Complete list cost	201.10	V 2413.20
		2 12		
17.0		Method 625, Acid Extractables - See page 12		\$ 972.00
17.1	12	Single compound analysis cost	81.00	\$ 64.80
17.2	12	Up to 10 compounds then complete list cost applies	5.40	\$ 2721.60
17.3	12	Complete list cost	226.80	\$ 2721.00
18.0		Method 8015B - See page 12-13	70.00	
18.1	20	Single compound analysis cost	70.20	\$ 1404.00 \$ 756.00
18.2	20	Up to 10 compounds then complete list cost applies	37.80	\$ 4,900.00
18.3	20	Complete list cost	245.00	3 4,900.00
			 	
19.0		Method 8041, Phenols by GC - See page 13		\$ 1101.60
19.1		Single compound analysis cost	91.80	\$ 1101.60 \$ 25.80
19.2		Up to 10 compounds then complete list cost applies		
19.3		Complete list cost	156.60	\$ 1879.20

IEM NO.	ESTIMATED QUANTITY	DESCRIPTION		AMOUNT
, O,	QOMITITE			
		Method 8100, Polynuclear Aromatic Hydrocarbons - See page 14-1	5	
0.0		Method 8100, Polyhitelear Aromatic Tydrocursons	81.00	\$ 1620.00
20.1	20	Single compound analysis cost	3.25	\$ 65.00
20.2	20	Up to 10 compounds then complete list cost applies	118.80	\$ 2376.00
20.3	20	Complete list cost	110.00	<u> </u>
		7.7		
21.0		Method 8121, Chlorinated Hydrocarbons - See page 15		^
21.1	12	Single compound analysis cost	00.40	\$ 1036.80—
21.2	12	Up to 10 compounds then complete list cost applies	3.25	\$ 39.00
21.3	12	Complete list cost	135.00	\$ 1,620.00
2110				
22.0		Method 8151A, Chlorinated Herbicides - See page 15-16		
	12	Single compound analysis cost	97.20	\$ 1166.40
22.1	12	Up to 10 compounds then complete list cost applies	5.40	\$ 64.80
22.2	12	Complete list cost	175.00	\$ 2100.00
22.3		Complete his cost		
		Method 8260, - See page 16-18		
23.0		Search for additional tentatively identified compounds	5,40	\$ 81.00
23.1	15	Search for additional tentatively identified compounds	81.00	\$ 1215.00
23.2	15	Single compound analysis cost	5.40	\$ 81.00
23.3	15	Up to 10 compounds then complete list cost applies		\$ 1852.20
23.4	15	Complete list cost	123.48	V 1032.20
		GC-MS Scan per TIC, report TICS that are detected at 10% of the	10.80	\$ 162.00
23.5	15	area of the nearest internal standard	10.00	\$ 102.00
974.1				
24.0		Method 8270, - See page 18-22		0 111 00
24.1	15	Search for additional tentatively identified compounds	10.80	\$ 162.00
24.2	15	Single compound analysis cost	97.20	\$ 1,458.00
	15	Up to 10 compounds then complete list cost applies	10.80	\$ 162.00
24.3		Complete list aget	201.10	\$ 3,016.50
24.4	15	GC-MS Scan per TIC, report TICS that are detected at 10% of the		
	4521	GC-IVIS Scali per 110, report 1105 mm me m	10.80	\$ 162.00
24.5	15	area of the nearest internal standard		
		1 1 1 Wideographens by HPLC -		
		Method 8310, Polynuclear Aromatic Hydrocarbons by HPLC -		
25.0		See page 22-23	01.00	\$ 1377.00
25.1	15	Single compound analysis cost	91.80	\$ 64.50
25.2	15	Up to 10 compounds then complete list cost applies	135.00	\$ 2025.00
25.3		Complete list cost	133.00	\$ 2023.00
		H		
10000		TCLP RCRA Pesticides & Herbicides EPA 1311/SW846 - See		
26.0		page 23		
		Single compound analysis cost	124.20	\$ 1490.40
26.1		Complete list cost	243.00	\$ 2916.00
26.2	12	Complete list cost		
3,20		TCLP RCRA Metals EPA 1311/SW846 - See page 23		
27.0		TCLF RCRA MUNIS ELA ISTITATIONO DE PARTE	81.00	\$ 1944.00
		Single compound analysis cost	189.00	\$ 4536.00
27.	2 24	Complete list cost	× 100 100 00 00	
27. 27.	-		7.	
		0		
		TCLP Volatile Organics 8260 with 1311 extraction - See page 23	125 00	\$ 2500.00
27.2	0	TCLP Volatile Organics 8260 with 1311 extraction - See page 23 Single compound analysis cost	125.00	\$ 2500.00
27.2	0 20	TCLP Volatile Organics 8260 with 1311 extraction - See page 23	125.00 5.00 175.00	\$ 2500.00 \$ 100.00 \$ 3500.00

EM VO.	ESTIMATED QUANTITY	DESCRIPTION		AMOUNT
		TCLP Semi-Volatile Organics 8720 with 1311 extraction - See page 24		
9.0	12	Single compound analysis cost		\$ 1500.00
9.1	12	Up to 10 compounds then complete list cost applies	1 0 11	\$ 90.00
9.2	12	Complete list cost	240.00	\$ 2880.00
9.5	12	Complete his con-	The second	
30.0		RCRA General Chemistry - See page 24		
30.1	12	Single compound analysis cost	41.04	\$ 492.48
30.2	12	Complete list cost	135.00	\$ 1620.00
0.2	12		The second second	
210		Metals/Cyanide Target Analyte List (TAL)-Low level option EPA 200.7/SW 7470/7471 - See page 24-25	215.00	\$ 2580.00
31.0	T 10	Single compound analysis cost	10.00	\$ 120.00
31.1	12	Complete list cost	215.00	\$ 2580.00
31.2	12	Complete list cost		
32.0	10	Priority Pollutant Metals-(low level option-Mercury) Water	178.60	\$ 1786.00
33.0	10	Priority Pollutant Metals-(low level option-Mercury) Soil	110.25	\$ 1102.50
34.0	10	8081A Organochlorine Pesticides GC	86.40	\$ 864.00
35.0	10	8280 PCBs by GC	75,60	\$ 756.00
33.0	10	0200 T CB3 b) O'C		
36.0	10	8061A Phathalate Esters by GC/EDC	NA	S NA
37.0	20	8270 PAH by GC/MS	91.80	\$ 1,836.00
38.0	20	8260B Semivolatile Organics by GC/MS	123.48	\$ 2,469.60
39.0	20	8270C Semivolatile Organics by GC/MS	201.10	\$ 4,022.00
40.0	30	BTEX (8021B/8260B)	55.00	\$ 1,650.00
41.0		BTEX (8021B)/MTBE (8021B)	55,00	\$ 1,650.00
į.		BTEX (8021B)/GRO (8015B)	60.00	1,800.00
42.0	30		91.80	\$ 2,754.00
43.0	30	BTEX (8021B)/DRO/GRO (8015B)		
44.0	30	BTEX (8021B)/GRO (8015B)/MTBE (8021B)	65.00	1,950.00
45.0	30	BTEX (8021B)/DRO/GRO (8015B)/MTBE (8021B)	97.20	\$ 2,916.00
46.0	30	BTEX/MTBE/TBA/EDB/EDC by 8260B (SIM)	156.60	\$ 4,698.00
47.0	10	TPH-ORO (8015B)	50.00	\$ 500.00
48.0		TPH-GRO (8015B)	45.00	\$ 450.00
10.0				\$ 500.00
49.0	10	TPH-DRO (8015B)	50.00	
	10	TPH-DRO/ORO (8015)	55.00	15 550.00

TEM	ESTIMATED	DESCRIPTION		AMOUN'I'
10.	QUANTITY	DBSCRIPTION		
			70.20	\$ 702.00
51.0	10	TPH-GRO/DRO (8015B)	/0.20	
			75.60	\$ 1,512.00
52.0	20	TPH-GRO/DRO/ORO (8015B)	7560	- 1,517.00
		The control of the Control		
		Solid Waste Phase 1 Organics (Title 33 Series1) Cost		
53,0		(Groundwater only) per set: - See page 25-26		\$ 64.80
53.1	12	Search for additional tentatively identified compounds	5.40	\$ 907.20
53,2	12	Single compound analysis cost	75.60	
53.3	12	Up to 10 compounds then complete list cost applies	5.40_	01100
53.4	12	Total cost Phase I 8260 complete list	216.00	\$ 2,592.00
54.0		Priority Pollutants by SW-846 Protocol Analysis	100 10	\$ 1 /01 76
54.1	12	Priority Pollutant Volaties	123.48	
54.2	12	Priority Pollutant Semi-Volatics	201.10	\$ 2,413.20
54.3	12	Priority Pollutant Pesticides/PCBs	118.80	\$ 1,425.60 -
54.4	12	Brigaity Pollutant Ingranics	178.20	\$ 2,138.40
34.4	12	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodlbenzo		
	12	p-Dioxin) quoted at time of analysis	648.00	\$ 7,776.00
54.5	12			
55.0		Total Toxic Organics (TTO) by SW-846 Protocol Analysis		
55.0	1 10	TTO Volatiles	162,00	\$ 1,944.00
55.1	12	TTO Semi-Volatiles	237.60	
55.2	12	TTO Pesticides/PCBs	118.80	
55.3	12		NA	\$ NA
55.4	12	TTO Inorganics Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodlbenzo	04	
		Total Package Cost (less dioxins) Dioxin (2,5), 1	513.00	\$ 6,156.00
55.5	12	p-Dioxin) quoted at time of analysis		
		A. List (TCL) Analysis		
56.0		Target Compounds List (TCL) Analysis	123,48	\$ 1,481.76
56.1	12	TCL Volatiles	201.10	
56.2		TCL Semi-Volatiles	118.80	
56.3		TCL Pesticides/PCBs	237.60	
56.4	12	TCL Inorganics	257.00	7,001,120
		Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodlbenz	756.00	\$ 9,072.00
56.5	12	p-Dioxin) quoted at time of analysis	750.00	
10. 10		교육 중계를 하고 있는 일본 중에 가는 이 경기를 하는 것이 되었다. 그는 것은 사람들은 경기를 받는 것은 것은 것이다.		
57.0)	Hazardous Waste Characterizations Analysis	01 00	\$ 972.00
57.		Reacitivity	81.00	
57.2		Ignitability	32.40	
57.3		Corrosivity (pH)	8.64	2000
57.		Corrosivity (NACE)	70.20	0141
57.		BTU	65.00	
57.		TCLP	685.80	A Committee of the Comm
57.		Total Package Cost	918.54	\$ 11,022.48

EM	ESTIMATED	DESCRIPTION		AMOUNT
Ю.	QUANTITY			
		The state of the s		
8.0		TCLP Extractions Analysis Percent Solids (metals, semi-volatiles, volatiles, pesticides,		
			11.88	\$ 178.20
8.1	15	herbicides) Characterization Extraction (metals, semi-volaties, pesticides,	no con	
			44.28	\$ 664.20
8.2	15	herbicides)	54.00	\$ 810.00
8.3	15	Zero Headspace Extraction (violatiles)		
9.0		TCLP Analysis - Analysis	189.00	\$ 3,780.00
9.1	20	TCLP Metals quantified to 10% of TCLP levels	97.20	\$ 1,944.00
9.2	20	TCLP-Mercury	86.40	\$ 1,728.00
59.3	20	TCLP-Individual Metal	15.75	\$ 315.00
59.4	20	Additional Metals (Flame, Furnace, ICP, ICP-MS)	30.00	\$ 600.00
59.5	20	Analysis by Standard Method of Addition (per metal)	80.00	\$ 1,600.00
59.6	20	TCLP Pb characterization (includes extraction fees)	175.00	\$ 3,500.00
59.7	20	TCLP Volatile Organics	240.00	\$ 4,800.00
59.8	20	TCLP Semi-Volatile Organics		\$ 4,500.00
59.9	20	TCLP Persticides/Herbicides	225.00	
59.10	20	TCLP Pesticides	150.00	
59.11	20	TCLP Herbicides	175.00	\$ 3,500.00
59.12	20	PARTOLD	635.00	\$ 12,700.00
37.12	20	NOTE: Multiphasic samples will be subject to additional extraction		
		and analytical fee		
(0.0	12	Phase II Groundwater Parameters	1,000.00	\$ 12,000.00
60.0	A CONTRACT OF STREET	Juase ii Ground		
	1 10	Volatiles by Method 8260 - Groundwater II	175.00	\$ 2,100.00
51.0	12	Volumes by Freehold 0200		
- 111	1	Volatiles by Method 8270 - Groundwater II	275.00	\$ 3,300,00
62.0	12	Volatiles by Method 6270 Crown		
		P. Campling Kits	30.00	\$ 360.00
63.0	12	Encore Sampling Kits		
	<u> </u>	C. C. Willia Vita	10.00	\$ 120.00
64.0	12	Terra Core Sampling Kits		
		Collection of Samples-Cost associated with samples from	DEP Offic	es
		Collection of Samples-Cost associated with sur-		
		COLUMN SE Charleston WV 25304	N/C	\$ M-F
65.0	24	*Charleston Office, 601 57th St., SE, Charleston, WV 25304	TW/ U	
		WV 25506	N/C	\$ M-F
66.0) 24	*Teays Office, P.O. Box 662, Teays, WV 25596	N/O	
1111		21 D. J. W.V. 2651	54 N/C	\$ THURSDAY
67.0) 24	*Fairmont Office, 2031 Pleasant Valley Rd., Fairmont, WV 2655	9 N/C	
			200.0	0 \$ 4,800.0
68.0	0 24	*Romney Office, HC 63, Box 2545, Romney, WV 26757	200.0	0 3 4,000.0
OG.			100.0	0 6 0 400 0
69.	0 24	*French Creek Office, P.O. Box 38, French Creek, WV 26218	100.0	0 \$ 2,400.0
09.	V 24		77.70	e munopay
70	0 24	*Wheeling Office, 131A Peninsula St., Wheeling, WV 26003	N/C	\$ TUESDAY_
70.	0 24			
	a 1 a 1	*Parkersburg Office, 2311 Ohio Ave., Parkersburg, WV 26010	N/C	\$ WEDNESDAY
71.	0 24			
7.00		*Oak Hill Office, 116 Industrial Dr., Oak Hill, WV 25901	N/C	\$ M-F
72.	0 24	1 took Hill Office 116 Industrial Dr. Oak Am, WY 20001	11/0	

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION		AMOUNT
NO.	QUINTITI			
73.0	10	24 Hour Turn-Around Rush Orders**	50% MARK	\$UP
73.0	10			
74.0	10	48 Hour Turn-Around Rush Orders**	25% MARK	\$UP
diam'r				
75.0	10	72 Hour Turn Around Rush Orders**	10% MARK	\$UP

		TOTAL		\$ 281,378.11
EXXXXXXX				
All uni	t pricing quoted:	should be based on standard (not to exceed two weeks) turn-around time	e.	
**Duri	ng emergency sit	uations samples may be requested on a quicker turn-around basis.		

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

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

×	ing the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of 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 business continuously in West Virginia for four (4) years immediately maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately
	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) and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) warrs immediately preceding the date of this certification; or,
2.	Application is made for 2.5% resident vendor preference for the reason checked. Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3.	Application is made for 2.5% resident vendor preference for the reason checked. Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state centinuously for the two years immediately preceding submission of this bid; or,
4.	Application is made for 5% resident vendor preference for the reason checked. Application is made for 5% resident vendor preference for the reason checked.
5.	Application is made for 3.5% resident vendor preference who is a veteral for the reason emotion and 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
6.	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: 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 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for Bidder is a resident vendor who is a veteran of the vendor's bid and purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's employees are 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.
requ aga	er understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to a penalty irements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty irements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty irements for such penalty will be paid to the contracting agency not be such as a penalty of the bid amount and that such penalty will be paid to the contracting agency not be such as a penalty of the bid amount and that such penalty will be paid to the contracting agency not be penalty or purchase order.
or d By s	educted from any unpaid balance on the contract of purchase even submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and submission of this certificate, Bidder agrees to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid

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

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.

deemed by the Tax Commissioner to be confidential.

RFQ No. DEP 15706

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.

Vendor's Name: REL Consultants, Inc. Authorized Signature: Authorized Signature: Date: 20 Jan 2012 State of WEST VIRGINIA County of RALEIGH , to-wit: Taken, subscribed, and sworn to before me this 20 day of JANUARY , 20/2.
Authorized Signature:
State of WEST VIRGINIA County of RALEIGH , to-wit:
County of RALEIGH , to-wit:
County of RALEIGH, to-wit: Taken subscribed and sworn to before me this 30 day of JANUARY, 20/2.
Taken subscribed and sworn to before me this 20 day of ANUARY , 20/2.
Taken, subscribed, and swort to before the time
My Commission expires
AFFIX SEAL HERE NOTARY PUBLIC / Church
OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA

ERIN G. MARTIN 254 REBECCA LANE BEAVER, WV 25813 My commission expires August 15, 2013