

**SANTA FE COUNTY  
PUBLIC WORKS DEPARTMENT**

**INVITATION FOR BID**



**Old AGUA FRIA DUMP SOLID WASTE  
ABATEMENT AND SITE LEVELING**

**IFB# 2019-0093-PW/KE**

**OCTOBER - 2018**

**SANTA FE COUNTY**  
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**ADVERTISEMENT**

**SANTA FE COUNTY  
INVITATION FOR BID  
IFB# 2019-0093-PW/KE  
Old Agua Fria Dump Solid Waste  
Abatement and Site Leveling  
N.M. State Commodity Codes  
92678, 92685, AND 96871**

The Santa Fe County Public Works Department is requesting bids for the purpose of procuring a licensed Contactor to provide solid waste abatement and site leveling at the Old Agua Fria Dump. The work must be performed under the direction of National Emissions Standards for Hazardous Air Pollutants (NESHAP) asbestos qualified personnel. Bids may be held for ninety (90) days subject to all action by the County. Santa Fe County reserves the right to reject any and all bids in part or in whole. A completed bid package must be submitted in a sealed container indicating the bid title and number along with the bidding firm's name and address clearly marked on the outside of the container.

**All bids must be received by 2:00 PM on December 6, 2018 at the Santa Fe County Purchasing Division, 142 W. Palace Avenue (Second Floor), Santa Fe, NM 87501.** By submitting a bid for the requested materials and/or services each firm is certifying that their bid is in compliance with regulations and requirements stated within the IFB package.

**A Pre-Bid Conference & Site Visit will be held on November 13 at 2:00 PM at the Nancy Rodriguez Community Center, 1 Prairie Dog Loop, Santa Fe, N.M. The Pre-Bid Conference and Site Visit is not mandatory but highly recommended.**

**EQUAL OPPORTUNITY EMPLOYMENT:** All qualified bidders will receive consideration of contract(s) without regard to race, color, religion, sex, national origin, ancestry, age, physical and mental handicap, serious mental condition, disability, spousal affiliation, sexual orientation or gender identity.

An Invitation for Bid packages is available by contacting Karen K. Emery, Santa Fe County, by telephone at (505) 992-6759, by email at [kkemery@santafecountynm.gov](mailto:kkemery@santafecountynm.gov) or by accessing the Santa Fe County website at [http://www.santafecountynm.gov/asd/current\\_bid\\_solicitations](http://www.santafecountynm.gov/asd/current_bid_solicitations)

**BIDS RECEIVED AFTER THE DATE AND TIME SPECIFIED ABOVE WILL NOT BE ACCEPTED.**

Santa Fe County  
Publish: October 28 and 29, 2018

## **INSTRUCTIONS FOR BIDDERS**

Bids are requested by Santa Fe County for Old Agua Fria Dump Solid Waste Abatement and Site Leveling

1. **LOCATION AND BACKGROUND OF WORK SITE:** The Old Agua Fria Dump site is a pre-regulatory landfill located in Santa Fe County. Disposal activities at the site ceased in the 1970s. The disposal area consists of several trench-fills located within an aggregate area of approximately 2.5 acres. The fill contains construction and demolition debris, as well as residential refuse. Terrain at the site is currently uneven; several trenches were incompletely backfilled, and numerous mounded areas are present.

Two site characterization investigations have been performed on the property. A Limited Phase II Environmental Site Assessment was performed in February 2012; no hazardous conditions were found during this investigation. During a site inspection in September 2017, transit panel fragments suspected of being asbestos containing materials (ACM) were identified on land surface at the site. A Limited Asbestos Site Assessment was performed in May 2018; presence of ACM was confirmed and affected areas were estimated. Copies of the reports of findings for the two site characterization investigations are attached to this solicitation.

Work is to be performed by a contractor licensed in the State of New Mexico and under the direction of National Emissions Standards for Hazardous Air Pollutants (NESHAP) asbestos qualified personnel.

The bids shall be in the form of unit pricing as per items listed on the bid sheets.

The bid shall include all permits, fees, tie-in fees for all utilities, overhead and profit and incidental costs in the bid amounts. All applicable taxes shall not be included in the bid amounts.

All applicable laws and ordinances and the rules and regulations of all authorities having jurisdiction over the project shall apply to the contractor and all agreements between the contractor and the County.

## **2. SCOPE OF WORK:**

Based upon analytical testing of the ACM at the site, the New Mexico Environment Department Solid Waste Bureau (NMED-SWB) has directed that exposed ACM at the site be removed and transported to a permitted asbestos waste disposal facility in accordance with NMED Rules governing disposal of regulated asbestos waste (20.9.8.12 NMAC). Santa Fe County seeks contractor services to mitigate the exposed ACM in conformance with NMED-SWB Rules. The work must be performed under the direction of National Emissions Standards for Hazardous Air Pollutants (NESHAP) asbestos qualified personnel. The selected contractor will prepare and gain NMED-SWB approval of a Site Abatement Plan and will complete the work in accordance with the approved Site Abatement Plan. A Storm Water Pollution Prevention Plan (SWPPP) will be required for this project and must be maintained for the duration of work.

It is anticipated that the ACM on land surface at the site will be hand collected, containerized and transported to the disposal facility. Santa Fe County also seeks services for site leveling, followed

by removal and disposal of surficial remnant (above grade) construction and demolition debris (C&DD), including concrete, rebar, waste stone, lumber and metal, and covering the area with clean soil. It is anticipated that an initial hand collection of exposed ACM will be performed, followed by site leveling earth work, then by collection, removal and disposal of remnant non-ACM debris. Site leveling will include pushing soil and wastes from mounded areas into adjacent partially filled trenches and low-lying areas such that finished grade is groomed to match surrounding grade as closely as possible. After site leveling and removal and disposal of the residual non-ACM debris, a second hand collection of the remaining exposed ACM will be performed and the ACM will be transported and disposed. After the second hand collection of remaining exposed ACM, 12" of clean fill will be placed above areas with subgrade waste and finished grades will be fine graded to feather back to existing grades. No clean fill placement is required on areas disturbed by construction that do not have waste trenches below. Areas disturbed by construction are to be reseeded with NMDOT Class A seeding. Upon completion of the site work, the contractor will provide summary data to Santa Fe County to include, estimated weight and volume of ACM removed from the site, estimated weight and volume of non-ACM waste removed from the site, transport and disposal manifests documenting the lawful transport and disposal of ACM and non-ACM wastes. Upon completion of the site work, the contractor will prepare final documentation for submittal to Santa Fe County and NMED-SWB for final approval and acceptance of the site and disposal work performed.

3. **TIME AND PLACE OF RECEIVING AND OPENING BIDS:** This information will be found in the "Advertisement for Bids" form attached hereto. A bid received after the specified time will not be considered and will be returned to the bidder unopened.
4. **SPECIFICATIONS:** The construction/addition/renovation of the project will be in accordance with the specification and drawings provided by the County, which are included in the bid package.
5. **CONTRACT TIME:** The number of days for the completion of work (the contract time) is 60 days. The number of days for the completion of work is weather working calendar days, where "calendar days" are defined as consecutive days.
6. **COPIES OF BIDDING DOCUMENTS:** The Invitation for Bid Documents will be available by contacting Karen K. Emery, Santa Fe County Purchasing, by telephone at (505) 992-6759, email at [kkemery@santafecountynm.gov](mailto:kkemery@santafecountynm.gov) and on the Santa Fe County website at [www.santafecountynm.gov/services/asd/current\\_bid\\_solicitations](http://www.santafecountynm.gov/services/asd/current_bid_solicitations).

Bidders shall use complete sets of Bidding Documents in preparing bids; neither the owner nor engineer assumes responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

No license or grant of use of the Bidding Documents is conferred by issuance of copies of the bidding documents.

7. **BIDDER'S REPRESENTATION:** By submitting a bid the bidder represents that: a) the bidder has read and understands the Bid Documents and Contract Documents; b) the bid is made in compliance with the Bid Documents and Contract Documents; c) The bidder has visited the site

and has become familiar with local conditions under which the Work is to be performed, and has correlated the bidder's personal observations with the requirements of the proposed Contract Documents; d) the bidder has familiarized itself with federal, state and local laws, ordinances, rules, and regulations affecting performance of the Work; and e) the bid is based upon the materials, equipment and systems required by the Bid Documents without exception; and f) the County shall rely on these representations.

8. THE COMPLETE CONTRACT DOCUMENTS CONTAIN THE FOLLOWING: Everything that is bound herein, project plans and any specifications referenced herein.
9. INTERPRETATIONS/ADDENDA: All questions about the meaning or intent of the contract documents shall be submitted to the Procurement Manager in writing. Replies will be issued by written addenda posted to the County Web site and E-Mailed to all parties who attended the Mandatory Pre-bid meeting and turn in Appendix A "The Acknowledgement of Receipt Form. Questions received less than seven (7) calendar days prior to the date for opening of bids will not be answered. Only questions answered by formal written addenda will be binding. Oral and other interpretations or clarifications will be without legal effect. Written questions or inquiries in relation to the Invitation for Bid will be directed to:

Karen K. Emery, Procurement Specialist Senior  
Santa Fe County Purchasing Division  
142 W. Palace Avenue (Second Floor)  
Santa Fe, NM 87501  
Ph. (505) 992-6759  
Fax (505) 989-3243  
Email – [kkemery@santafecountynm.gov](mailto:kkemery@santafecountynm.gov)

Addenda will be transmitted to all bidders that are listed on the Pre-Bid Sign in Sheet and turn in an Acknowledgement of Receipt Form.

Copies of addenda will be made available for inspection wherever Bid Documents are on file for that purpose. Each addendum shall be part of the contract documents as specified in the written contract, attached to these specifications (see Appendix D).

Addenda will be issued no later than five (5) working days prior to the date for receipt of bids except an addendum withdrawing the request for bids or one which includes postponement of the date for receipt of bids.

Each bidder shall ascertain prior to submitting a bid that the bidder has received all addenda and the bidder shall acknowledge receipt in the bid.

10. RESIDENT PREFERENCE: If a bidder wishes to be given preference in this procurement, it is required to submit its certificate or certificate number issued by the State of New Mexico Purchasing Agent with the bid prior to the bid submittal time and date deadline. Preference will not be given to a bidder who does not submit its certificate or certificate number that can be verified with the State Purchasing Office. The certificate must be under the bidder's business name as represented in its bid. The bidder's certificate must indicate whether the bidder is

certified as a resident business, resident manufacturer, or New York State business enterprise. Application of preference by the County shall be provided as described at Section 13-1-21 (A)-(L) and Section 13-1-21.2 NMSA 1978, of the State Procurement Code.

11. SUBCONTRACTORS, SUPPLIERS AND OTHERS: The contractor shall be required to fully comply with the Subcontractors Fair Practices Act, NMSA 1978, 13-4-31 to 13-4-42.

- A. The contractor, in the bid documents, must identify in writing to the County those portions of the work that it proposes to subcontract and after the Notice of Award, may only subcontract other portions of the work with the County's written consent.

- B. Any subcontractor who will be providing more than \$5,000 or one-half of one percent of the architect's or engineer's estimate of the total project cost (not including alternates) whichever is greater for any service, must be listed on the Subcontractor Listing.

12. SUBSTITUTIONS: The materials, products, and equipment described in the Bid Documents establish a standard of required function, dimension, appearance and quality to be met by any proposed substitution. No substitution will be considered prior to receipt of bids.

13. WAGE RATES/REGISTRATION WITH THE LABOR AND INDUSTRIAL DIVISION OF THE LABOR DEPARTMENT: The contractor shall be required to fully comply with the Public Works Minimum Wage Act, NMSA 1978, 13-4-11 thru 13-4-17. If the minimum wage rate determination for the project is not included in the initial Bid Documents, it will be furnished in an addendum.

A contractor or subcontractors who submit a bid valued at more than sixty thousand dollars (\$60,000) for a public works project that is subject to the Public Works Minimum Wage Act must be registered with the New Mexico Workforce Solutions at the time of the bid opening. The registration number shall be provided in the bid submitted by the contractor in the space provided for subcontracts with work proposed. After the bid opening, the registration numbers will be verified by the County and the bid will be determined to be non-responsive and disqualified if the registration numbers are "*inactive*" and the contractor does not provide proof of the required registration for itself or its subcontractors for work proposed over sixty thousand dollars (\$60,000).

14. BID FORM:

- A. The bid forms are included in the bidding documents; additional copies may be obtained from the Santa Fe County Purchasing Division.
  - B. Bid forms must be completed in either ink or typewritten. The bid price of each item on the form must be stated in numerals and written words; in case of an error in extensions in the unit price schedule the unit price shown in written words shall govern.
  - C. Bids by corporations must be executed in the corporate name by the president or a vice president (or other corporate office accompanied by evidence of authority to sign) and the corporate seal shall be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation shall be shown below the signature.

- D. Bids by partnerships must be executed in the partnership name and signed by a partner, their title must appear under their signature and the official address of the partnership must be shown below the signature.
  - E. All names must be typed or printed below the signature.
  - F. The bid shall contain an acknowledgment of receipt of all addenda (the numbers of which shall be filled in on the bid form).
15. **BID SECURITY:** Each individual bid shall be accompanied by bid security equal to 5% of the amount of the bid. Such bid security shall be in the form of a certified or cashier's check made payable to the County or a surety bond issued by a surety authorized to conduct business in the State of New Mexico and who is approved in federal circular 570 as published by the U.S. Treasury Department.

By submitting the bid and providing the bid security, the bidder pledges to enter into a binding contract with the County and will furnish bonds covering the faithful performance of the contract and payment of all obligations arising hereunder. Should a bidder refuse to enter into such contract or fail to furnish such bonds, if required, the amount of the bid security shall be forfeited to the County as liquidated damages, not as penalty.

The County will have the right to retain the bid security of bidders to whom an award is being considered until either the contract has been executed and bonds, if required, have been furnished or the specified time has elapsed so that bids may be withdrawn or all bids have been rejected.

16. **POWER OF ATTORNEY:** Attorneys in fact who sign bonds must attach certified effective copies of their Power of Attorney to all bonds.
17. **QUALIFICATION OF BIDS:** All contractors and subcontractors must have a valid New Mexico license appropriate to the work herein specified at the time the bid is submitted.
18. **SUBMISSION OF BIDS:** Bids shall be submitted at the time and place indicated in the Advertisement for Bids and shall be enclosed in an opaque sealed envelope, marked with the project title, name and address of the bidder, N.M. License Number, and accompanied by the list of subcontractors and other required documents. All blanks must be filled in. Conditional bids will not be considered. The envelope shall be addressed to:

Karen K. Emery, Procurement Specialist, Senior  
Santa Fe County Purchasing Division  
142 W. Palace Avenue (Second Floor)  
Santa Fe, NM 87501

19. **MODIFICATION AND WITHDRAWAL OF BIDS:** A bid may not be modified, withdrawn or canceled by the bidder following the time and date designated for the receipt of bids, and each bidder so agrees to these conditions by submitting a bid.



Prior to the time and date designated for receipt of bids, a bid submitted may be modified or withdrawn by notice to the County at the address designated for receipt of bids. Such notice shall be in writing and signed by the bidder.

Upon receipt such written confirmation shall be date and time stamped by the County on or before the date and time set for receipt of bids. A modification of a bid shall be worded as not to reveal the amount of the original bid.

20. **GROSS RECEIPTS TAXES:** The amount of the bid shall **exclude** applicable New Mexico Gross Receipts Taxes or applicable local option taxes. The applicable gross receipts tax or applicable local option taxes shall be computed and shown as a separate amount on each request for payment made under the contract.
21. **CONSIDERATION OF BIDS:** Bids received on time will be opened publicly and will be read aloud, and an abstract of the amounts of the base bids and alternates or bid items, if any, will be made available to the bidders. Each bid shall be open to public inspection.
22. **BID OPENING PROCEDURE:** The person or persons opening the bids shall verify that the requirements of the Instruction to Bidders have been fulfilled, and shall read aloud the name of each apparently responsive bidder and the bid amount(s). If any requirements have not been met, the bid shall be deemed non-responsive and disqualified. Each bid shall be reviewed for the following:
  - A. Bid Proposal – Include name of bidder, type of organization, contractor's license number and DOL registration number and all required signatures.
  - B. Bid Form- Include acknowledgement of all addenda, if applicable, bidder's name, title, address, telephone number, contractor's license number and type, United States Treasury number, resident preference number, if applicable, and all required signatures.
  - C. Bid Sheet-Include best price offered, excluding GRT.
  - D. Non-Collusion Affidavit for Prime Bidder Form-Include all required notarized signatures.
  - E. Certification of Non-Segregated Facilities Form-Include all required notarized signatures.
  - F. Certification of Bidder Regarding Equal Employment Opportunity Form-Include all required signatures.
  - G. Bid Bond-Include all required notarized signatures.
  - H. Bid Security- Shall be in the form of a certified or cashier's check made payable to the County or a surety bond issued by a surety.
  - I. Subcontractor's Listing Form-List of all subcontractors performing work over \$5,000.00, include name, address, telephone number, license number and **active** NM Department of Workforce Solutions Registration Number.
  - J. Campaign Contribution Disclosure Form-Include all required signatures.
  - K. Certificate of Resident Preference, if applicable.

**IF ANY OF THESE REQUIREMENTS HAVE NOT BEEN MET, THE BID MAY BE DISQUALIFIED AND CONSIDERED NON-RESPONSIVE.**

23. **BIDS TO REMAIN OPEN:** All bids shall remain open for ninety (90) days after the day of the bid opening.

24. AWARD OF CONTRACT:
  - A. The County reserves the right to reject any and all bids and waive any and all informalities or technicalities and the right to disregard all nonconforming or conditional bids or counter proposals.
  - B. If a contract is to be awarded, it will be awarded to the lowest responsible bidder submitting a bid that is either: (i) the lowest base bid; or (ii) the lowest bid including the base bid and the alternate(s); or (iii) the lowest bid including the base bid and any combination of the alternates.
  - C. If the lowest responsible bidder has otherwise qualified, the lowest bidder may negotiate with the County for a lower bid if the lowest bid is within **ten percent** over budgeted project funds in order to prevent all bids from being rejected. No change in the original scope and/or terms and conditions will be allowed. Negotiations may be permitted with product, materials, and equipment alternatives as determined to be in the best interest of the County.
  - D. Alternates may be accepted and awarded in any manner or order based on available budget. The County reserves the right not to award any particular alternate.
25. LIQUIDATED DAMAGES: Liquidated damages in the amount of two hundred fifty dollars (\$250.00) per each working day that expires after the date of substantial completion until substantial completion is achieved and a certificate of Substantial Completion is issued by the County.
26. PREFERENCES: In the construction of this project, the County has no preference for any process, type of equipment, or kind of material, but will consider all processes, types of equipment or kinds of material offered on a usual competitive basis if they are in fact equal to that specified and will accomplish the purpose intended. The County reserves the right to be the sole judge as to whether or not a different process, type of equipment or kind of material offered is in fact equal to that specified.
27. LICENSE OR ROYALTY FEES: Licenses and/or royalty fees for products or for processes must be paid for directly by the contractor.
28. PERMITS: It is the responsibility of the contractor and each subcontractor to obtain permits and inspections required by the County and/or the State of New Mexico or any other entity that may have jurisdiction over the construction or scope of work.
29. COLLUSION: No bidder shall be interested in more than one bid. Collusion among bidders or the submission of more than one bid under different names by any firms or individual shall be cause for rejection of all bids in question without consideration.
30. QUANTITIES: The quantities set forth in the bid proposal are estimated quantities on which bids will be compared and which will be the basis for award of contract. Payment will be made for the work actually performed.
31. PROTEST PROCEDURE: Any bidder who is aggrieved in connection with procurement may protest to the County Purchasing Manager as set forth in Resolution No. 2006-60 by the Board of County Commissioners. A copy of Resolution No. 2006-60 is available upon

request. The protest must be in writing and be submitted within fifteen (15) days after the facts or occurrences. The complete procedures and requirements regarding protests and resolution of protests are available from the Santa Fe County Purchasing Division upon request.

32. **CONTRACTOR'S QUALIFICATION STATEMENT:** Bidders to whom award of a contract is under consideration shall submit, upon request, information and data to prove that their financial resources, production or service facilities, personnel, and service reputation and experience are adequate to make satisfactory delivery of the services, construction, or items of personal property described in the Bidding Documents.
33. **BOND REQUIREMENTS – PERFORMANCE BOND AND PAYMENT BOND:** If awarded the contract, a bidder shall furnish bonds covering the faithful performance of the contract and payment of all obligations arising thereunder. The amount of the bonds, performance and payment, shall be equal to 100% of the contract sum. Bonds shall be issued by a surety authorized to conduct business in the State of New Mexico and who is approved in federal circular 570 as published by the U.S. Treasury Department. The cost of the bonds shall be included in the bid.
34. **TIME OF DELIVERY AND FORM OF BONDS.** The bidder shall deliver the required bonds to the County no later than seven (7) days following the date of execution of the contract. If the Work is to be commenced prior thereto in response to a letter of intent, the bidder shall, prior to commencement of the Work, submit evidence satisfactory to the County that such bonds will be furnished and delivered in accordance with this section.

The bidder shall require the attorney-in-fact who executes the required bonds on behalf of the surety to affix thereto a certified and current copy of the power of attorney.
35. **WARRANTY:** The contractor shall furnish a written warranty of workmanship to the Procurement Manager for a period of one (1) year following the completion date in addition to all other warranties required by the Contract Documents.
36. **NOTICE OF AWARD:** A written Notice of Award shall be issued by the County after review and approval of the bid and related documents.
37. **IDENTICAL BIDS:** If two or more identical low bids are received, the County will apply the process described at Section 13.1.110 NMSA 1978, of the State Procurement Code.
38. **CANCELLATION OF AWARD:** When in the best interest of the public, the County may cancel the award of any contract at any time before the execution of said contract by all parties without any liability against the County.
39. **NOTICE TO PROCEED:** The County will issue a written Notice to Proceed and a purchase order to the contractor stipulating the date from which contract time will be charged and the date contract time is to expire, subject to valid modifications in accordance with the Contract Documents.

40. **FAILURE TO EXECUTE CONTRACT:** Failure to return the signed contract with acceptable contract bonds and certificate of insurance within ten (10) calendar days after the date of the Notice of Award shall be just cause for the cancellation of the award. The award may then be made to the next lowest responsible bidder, or the work may be re-advertised and constructed under contract or otherwise, as the owner may decide.
41. **INSURANCE REQUIREMENTS:** At a minimum upon execution of the Agreement between the County and the Contractor, the Contractor shall furnish to the County, Certificates of Insurance naming Santa Fe County as an additional insured for the insurance coverage specified in the sample contract that is attached as an exhibit to this IFB.
42. **CLARIFICATION OF NON-COLLUSION AFFIDAVIT OF SUBCONTRACTOR, AND CERTIFICATION OF SUBCONTRACTOR REGARDING EQUAL EMPLOYMENT OPPORTUNITY:** The general contractor is not required to present completed “Non-Collusion Affidavit of Subcontractor” and “Certification of Subcontractor Regarding Equal Employment Opportunity” forms from their subcontractors at the time of bid submittal; however, once the contract is awarded, the general contractor is responsible for providing these forms along with the bonds and certificate of insurance.
43. **SUBCONTRACTOR PERFORMANCE AND PAYMENT BOND.** A subcontractor whose work to be performed on a public works building project is one hundred twenty five thousand dollars (\$125,000) or more shall submit a performance and payment bond in the amount of the work they are to perform on the project. These bonds will be submitted within the stated (10) calendar days after the date of the Notice to Award.
44. **OPERATIONS AND MAINTENANCE MANUALS:** At the completion of the project but prior to the Substantial Completion certificate will be approved by the architect, the contractor shall submit to the architect two (2) copies of a three ring binder with all maintenance and operations instructions for all systems and items within this phase of construction if applicable.
45. **NOTICE:** The Procurement Code, Sections 13-1-28 through 13-1-199 NMSA 1978, imposes civil and misdemeanor criminal penalties for its violation. In addition, the New Mexico criminal statutes impose felony penalties for bribes, gratuities, and kick-backs.
46. **SUFFICIENT APPROPRIATION:** Any contract awarded as a result of this IFB process may be terminated if sufficient appropriations or authorizations do not exist. Such termination will be effected by sending written notice to the contractor. The County's decision as to whether sufficient appropriations and authorizations are available will be accepted by the contractor as final.
47. **NUMBER OF BIDS ACCEPTED.** Bidders shall submit only one (1) bid in response to this IFB.
48. **LIVING WAGE.** Contractor shall comply with the requirements of the Santa Fe County Ordinance 2014-1 (Establishing a Living Wage) as amended by 2014-5.

49. **DOUBLE-SIDED DOCUMENTS.** All submitted bids/proposal documents shall be double-sided, pursuant to Santa Fe County Resolution 2013-7, Adopting Sustainable Resource Management Principles, Section 2. A. Waste Reduction and Reuse... "all documents are to be double-sided, including those that are generated by outside entities using County funds and by consultants and contractors doing business with the County".

**BID PROPOSAL FORM**  
IFB# 2019-0093-PW/KE  
OLD AGUA FRIA DUMP SOLID WASTE  
ABATEMENT AND SITE LEVELING

To Santa Fe County, State of New Mexico, Owner:

In compliance with the Information for Bidders and in strict conformance with the Contract Documents, \_\_\_\_\_, hereinafter called the Bidder, organized and existing under the laws of the State of New Mexico as a \_\_\_\_\_ (type of business or legal entity), hereby proposes to perform all the WORK required for the Solid Waste Abatement and Site Leveling of the Old Agua Fria Dump located in Santa Fe County, New Mexico.

The undersigned declares that the only person or parties interested in the proposal as principals are those named herein; that the proposal is made without collusion with any person, firm or corporation; that it has carefully examined the specifications, including special provisions, if any, and that it has made a personal examination of the site of the work, that it is to furnish all the necessary machinery, tools, apparatus and other means of construction and do all the work and furnish all the materials specified in the manner and the time prescribed; that it understands that the quantities are approximate only and subject to increase or decrease, and that it is willing to perform any increased or decreased quantities of work at unit price bid.

The undersigned hereby agrees to execute and deliver the Construction Agreement within ten (10) days, or such further time as may be allowed in writing by Santa Fe County after receiving notification of the acceptance of this proposal, and it is hereby mutually understood and agreed that in case we do not, Santa Fe County may proceed to award the contract to others.

We hereby agree to commence the work within fifteen (15) days, or such further time as may be allowed in writing by Santa Fe County after notification to proceed.

The undersigned proposes to guarantee all work performed under these plans, specifications and contract for one year after acceptance by the County and repair and maintain same until the date of acceptance by Santa Fe County.

\_\_\_\_\_  
Signature-Title

(Corporate Seal)

\_\_\_\_\_  
Corporate Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip Code

Names of individual members of  
firms or names and titles of all  
officers of Corporation.

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Corporation organized under  
the Laws of the State of

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New Mexico Contractor's License No.

NM Department of Workforce Solutions,  
Public Works Labor Enforcement Fund  
Registration Number:

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**SANTA FE COUNTY  
BID FORM**

FROM: \_\_\_\_\_

\_\_\_\_\_ hereinafter called "Bidder".

TO: Santa Fe County  
142 West Palace Avenue  
Santa Fe, New Mexico 87501

hereinafter called "CONTRACTING AGENCY",

BID FOR: IFB# **2019-0093-PW/KE**  
PROJECT: Old Agua Fria Dump Site Solid Waste Abatement  
and Site Leveling

Purchasing Division:

The bidder has familiarized itself with the existing conditions on the project area affecting the cost of the work and with the contract documents which includes:

- |   |   |
|---|---|
| A. Advertisement for Bids                   | L. Certification of Bidder Regarding          |
| B. Instructions for Bidders                 | Equal Employment Opportunity                  |
| C. Bid Proposal                             | M. Certification of Subcontractor Regarding   |
| D. Bid Form                                 | Equal Employment Opportunity                  |
| E. Bid Sheets                               | N. Sub-Contractor Listing Form                |
| F. Bid Bond                                 | O. Acknowledgement of Receipt Form            |
| G. Performance Bond                         | P. Campaign Contribution Disclosure Form      |
| H. Labor and Material Payment Bond          | Q. Resident Veterans Preference Certification |
| I. Non-Collusion Affidavit of Prim Bidder   | R. N. M. Wage Determination                   |
| J. Non-Collusion Affidavit of subcontractor | S. Sample Construction Contract               |
| K. Certificate of Non-Segregated Facility   | T. Specifications and Plans                   |

Therefore, the Bidder hereby proposes to furnish all supervision, technical personnel, labor, materials, equipment, and services (including all utility and transportation services) required to complete the Solid Waste Abatement and Site Leveling of the Old Agua Fria Dump located in Santa Fe County, New Mexico, in accordance with the above listed documents.

(Amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern). Bidder has provided unit price and total bid amount per each item on the bid form and the total sum price for the scope of work.

In submitting this bid, the Bidder understands that the right is reserved by Santa Fe County to reject any irregular or all bids, waive any technicalities in the bids, and accept the bid deemed to be in the best interest of the public and that Santa Fe County intends to award one contract (if at all) for the items bid. If written notice of the acceptance of this bid is mailed, telegraphed or otherwise delivered to the undersigned within ninety (90) days after the opening thereof or at any time thereafter before this bid is withdrawn, the undersigned agrees to execute and deliver the agreement in the prescribed form within ten (10) days after the agreement is presented to him for signature.



All Addenda pertaining to this Project shall be acknowledged by the Bidder in the spaces provided below:

Addendum No.            Date	Acknowledged by Bidder or Its Authorized Representative	Date Acknowledged
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**Failure to acknowledge receipt, as provided above, may be considered sufficient grounds for disqualification of the bidder and rejection of his proposal.** It shall be the bidder's responsibility to become fully advised of all Addenda prior to submitting his bid.

The Bidder agrees to commence work under this Contract within fifteen (15) days after, a date to be specified in a written "Notice to Proceed" from Santa Fe County or its authorized agents. Bidder further agrees to pay liquidated damages as provided in the Contract Documents.

This Bid Proposal contains the following:

- A. Bid Proposal
- B. Bid Form
- C. Bid Sheet
- D. Non-Collusion Affidavit for Prime Bidder
- E. Certification of Non-segregated Facilities
- F. Certification of Bidder Regarding Equal Employment Opportunity
- G. Bid Bond
- H. Subcontractors Listing (as included in this packet)
- I. Campaign Contribution Disclosure Form
- J. Resident Preference Certificate, if applicable

Respectfully submitted:

Name of Bidder:

Official Address:

\_\_\_\_\_

\_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_

\_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

\*New Mexico Contractor's License Number and Types: \_\_\_\_\_

**BID SHEET**  
**IFB# 2019-0093-PW/KE**  
**OLD AGUA FRIA DUMP SOLID WASTE**  
**ABATEMENT AND SITE LEVELING**

Please offer your best price for the work required the unit price and lump sum total bid must include pricing for materials, equipment, labor, travel, and fees for any required permitting. Be advised that award may be made without discussion with bidders on offers received.

ITEM NO	ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE ----- DOLLARS / CENTS	BID AMOUNT ----- DOLLARS / CENTS
1	Completion and NMED-SWB Approval of Abatement Plan	LS	1		
2	SWPPP Plan Preparation and Maintenance	LS	1		
3	Initial Surface Collection, Transport and Disposal of ACM	CY	23		
4	Site Leveling to Surrounding Grade	LS	1		
5	Non-ACM Above Grade Debris Collection and Disposal	CY	150		
6	Final Surface Collection, Transport and Disposal of ACM	CY	23		
7	Clean Soil Cover Placement (1ft thickness over 2.5 acres)	CY	4033		
8	Reseed Disturbed Area NMDOT Class A Seeding	ACRE	2.6		
9	Delivery of Project Data Summary and Final Approval and Acceptance by NMED	LS	1		
TOTAL BID AMOUNT WRITTEN IN NUMBERS:		\$ _____			
TOTAL BID AMOUNT WRITTEN IN WORDS:					

*(Exclusive of NM GRT and other applicable taxes)*

**NON-COLLUSION AFFIDAVIT OF PRIME BIDDER**

STATE OF NEW MEXICO

COUNTY OF \_\_\_\_\_

\_\_\_\_\_ being first duly sworn, deposes and says that:

- (1) They are the \_\_\_\_\_ of \_\_\_\_\_ the Bidder that has submitted the attached Bid Proposal;
- (2) They are fully informed respecting the preparation and contents of the attached Bid Proposal and of all pertinent circumstances respecting such bid;
- (3) Such bid is genuine and is not a collusive or sham bid;
- (4) Neither the said bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other bidder, firm or person to submit a collusive or sham bid in connection with the contract for which the attached bid has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communications or conference with any other bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the Contracting Agency or any person interested in the proposed contract; and
- (5) The price or prices quoted in the attached bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(SIGNED) \_\_\_\_\_

TITLE \_\_\_\_\_

SUBSCRIBED AND SWORN to before me this \_\_\_\_ day of \_\_\_\_\_ 2018.

\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires \_\_\_\_\_

**NON-COLLUSION AFFIDAVIT OF SUBCONTRACTOR**

STATE OF NEW MEXICO

COUNTY OF \_\_\_\_\_

\_\_\_\_\_ being first duly sworn, deposes and says that:

- (1) It is the \_\_\_\_\_ of \_\_\_\_\_, hereinafter referred to as the "Subcontractor".
- (2) It is fully informed respecting the preparation and contents of the Subcontractor's proposal submitted by the Subcontractor to \_\_\_\_\_, the Contractor, for certain work in connection with the \_\_\_\_\_ contract pertaining to the \_\_\_\_\_ project in \_\_\_\_\_.
- (3) Such Subcontractors proposal is genuine and is not a collusive or sham proposal.
- (4) Neither the Subcontractor nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other bidder, firm or person to submit a collusive or sham bid in connection with the contract for which the attached bid has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communications or conference with any other bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the Contracting Agency or any person interested in the proposed contract; and
- (5) The price or prices quoted in the Subcontractor's proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(SIGNED) \_\_\_\_\_

TITLE \_\_\_\_\_

SUBSCRIBED AND SWORN to before me this \_\_\_\_\_ day of \_\_\_\_\_ 2018.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

**SUBCONTRACTS**

- A. The contractor shall not execute an agreement with any subcontractor or permit any subcontractor to perform any work included in this contract until it has submitted a Non-Collusion Affidavit from the subcontractor, is substantially the form shown below, and has received written approval of such subcontractor from Santa Fe County.
- B. No proposed subcontractor shall be disapproved by Santa Fe County except for cause.

- C. The contractor shall be as fully responsible to Santa Fe County for the acts and omissions of its subcontractors and of persons either directly or indirectly employed by them, as it is for the acts and omissions of persons directly employed by them.
- D. The contractor shall cause appropriate provision to be inserted in all subcontracts relative to the work to require compliance by each subcontractor with the applicable provisions of the contract for the improvements embraced.
- E. Nothing contained in the contract shall create any contractual relation between any subcontractor and Santa Fe County.

**CERTIFICATION OF NON-SEGREGATED FACILITIES**

(Applicable to construction contracts and related subcontracts exceeding \$10,000, which are not exempt from the Equal Opportunity Clause).

The construction contractor certifies that it does not maintain or provide for its employees any segregated facility at any of its establishments, and that it does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The construction contractor certifies further that it will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it will not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The construction contractor agrees that a breach of this certification is a violation of the Equal Opportunity Clause in this contract. As used in this certification, the term "segregated facilities" means any waiting room, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clock, locker rooms and other storage or dressing areas, parking lots, drinking foundations, recreating or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom, or otherwise. The construction contractor agrees that (except where it has obtained identical certifications from proposed subcontractors for specific time periods) it will obtain identical certifications from proposed SUBCONTRACTORS prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity Clause and that it will retain such certifications in its files.

SIGNED: \_\_\_\_\_

TITLE: \_\_\_\_\_

SUBSCRIBED AND SWORN to before me this \_\_\_\_ day of \_\_\_\_\_, 2018.

\_\_\_\_\_

NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_

**CERTIFICATION OF BIDDER REGARDING  
EQUAL EMPLOYMENT OPPORTUNITY**

**INSTRUCTIONS**

This certification is required pursuant to Executive Order 11246 (30 F. R. 12319-25). The implementing rules and regulations provide that any bidder or perspective contractor, or any of their proposed subcontractors, shall state as an initial part of the bid or negotiations of the contract or subcontract whether it has participated in any previous contract or subcontract subject to the equal opportunity clause; and, if so, whether it has filed all compliance reports due under applicable instructions.

Where the certification indicates that the bidder has not filed a compliance report due under applicable instructions, such bidder shall be required to submit a compliance report within seven calendar days after bid opening. No contract shall be awarded unless such report is submitted.

---

**CERTIFICATION OF BIDDER**

Bidder's Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

1. Bidder has participated in a previous contract or subcontract subject to the Equal Opportunity Clause.

Yes \_\_\_\_ No \_\_\_\_

2. Compliance reports were required to be filed in connection with such contract or subcontract.

Yes \_\_\_\_ No \_\_\_\_

---

Certification -- The information above is true and complete to the best of my knowledge and belief.

---

NAME AND TITLE OF SIGNER (PLEASE TYPE)

---

SIGNATURE

---

DATE

# **CERTIFICATION OF SUBCONTRACTOR REGARDING EQUAL EMPLOYMENT OPPORTUNITY**

## **INSTRUCTIONS**

This certification is required pursuant to Executive Order 11246 (30 F. R. 12319-25). The implementing rules and regulations provide that any bidder or perspective contractor, or any of their proposed subcontractors, shall state as an initial part of the bid or negotiations of the contract or subcontract whether it has participated in any previous contract or subcontract subject to the equal opportunity clause; and, if so, whether it has filed all compliance reports due under applicable instructions.

Where the certification indicates that the bidder has not filed a compliance report due under applicable instructions, such bidder shall be required to submit a compliance report within seven calendar days after bid opening. No contract shall be awarded unless such report is submitted.

---

## **CERTIFICATION OF SUBCONTRACTOR**

Subcontractor's Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

1. Subcontractor has participated in a previous contract or subcontract subject to the Equal Opportunity Clause.

Yes \_\_\_\_ No \_\_\_\_

2. Compliance reports were required to be filed in connection with such contract or subcontract.

Yes \_\_\_\_ No \_\_\_\_

---

Certification -- The information above is true and complete to the best of my knowledge and belief.

---

NAME AND TITLE OF SIGNER (PLEASE TYPE)

---

SIGNATURE

---

DATE



**BID BOND**

A. KNOW ALL MEN BY THESE PRESENT, THAT WE \_\_\_\_\_  
 \_\_\_\_\_ hereinafter called the PRINCIPAL, as PRINCIPAL and  
 the \_\_\_\_\_, of \_\_\_\_\_ a  
 Corporation duly organized under the laws of the State of \_\_\_\_\_, and  
 authorized to do business in the State of New Mexico, hereinafter called the SURETY, as SURETY  
 are held and firmly bound unto Santa Fe County, a Municipal Corporation, hereinafter called the  
 OBLIGEE, \_\_\_\_\_ in \_\_\_\_\_ the \_\_\_\_\_ sum \_\_\_\_\_ of  
 \_\_\_\_\_  
 DOLLARS (\$ \_\_\_\_\_) for the payment of which sum well and truly to be made, the said  
 Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors, and  
 assigns, jointly and severally, firmly be these presents.

WHEREAS, the Principal has submitted the accompanying bid, dated \_\_\_\_\_, 2018, for the  
 construction services for the electrical upgrade for the Woman's Health Building in Santa Fe  
 County, New Mexico.

B. NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall  
 enter into a contract with the Obligee in accordance with the terms of such bid, and give such bond  
 of bonds as may be specified in the bidding of Contract Documents with good and sufficient surety  
 for the faithful performance of such contract and for the prompt payment of labor and material  
 furnished in the prosecution thereof of in the event of the failure of the Principal to enter such  
 contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to  
 exceed the penalty hereof between the amount specified in said bid and such larger amount for  
 which the Obligee may in good faith contract with another party of perform the work covered by  
 said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

C. SIGNED AND SEALED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2018.

\_\_\_\_\_  
 BIDDER

(SEAL)

By: \_\_\_\_\_  
 PRINCIPAL

\_\_\_\_\_  
 WITNESS

By: \_\_\_\_\_  
 SURETY

\_\_\_\_\_  
 WITNESS

Title: \_\_\_\_\_

**PERFORMANCE BOND**

A. KNOW ALL MEN BY THESE PRESENT, THAT WE \_\_\_\_\_, as PRINCIPAL hereinafter called the "CONTRACTOR" and \_\_\_\_\_, as SURETY

hereinafter called the "SURETY", are held and firmly bound unto OBLIGEE Santa Fe County, a Political Subdivision of the State of New Mexico, hereinafter called the "COUNTY", in the sum of \_\_\_\_\_ (\$\_\_\_\_\_) dollars for the payment whereof CONTRACTOR and SURETY bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

B. WHEREAS, the CONTRACTOR has a written contract dated \_\_\_\_\_, 2018, with the COUNTY for the Electrical upgrade for the Woman's Health Building in Santa Fe County, New Mexico, in accordance with drawings and specifications which contract is referenced made part hereof, and is hereinafter referred to as the "Contract."

C. NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if CONTRACTOR shall promptly and faithfully perform said Contract (including any amendment thereto), then this obligation shall be null and void; otherwise it shall remain in full force and effect until the COUNTY shall by written instrument notify the SURETY that the obligation is discharged, except that the obligation shall continue for at least three (3) months following the expiration of the term of the Contract.

1. The SURETY hereby waives notice of any alteration or extension of the Contract time made by the COUNTY.
2. Whenever CONTRACTOR shall be, and is declared by the COUNTY to be in default under the Contract, the COUNTY having performed the COUNTY'S obligations thereunder, the SURETY must promptly remedy the default and shall promptly:

- (1) Complete the Contract in accordance with its terms and conditions, or
- (2) Obtain a bid or bids for submission to the COUNTY for completing the Contract in accordance with its terms and conditions, and upon determination by the COUNTY and SURETY of the lowest responsible bidder, arrange for a contract between such bidder and Santa Fe County, and make available as work progresses (even though there should be a default or a secession of defaults under the Contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract price, but not exceeding, including other costs and damages for which the SURETY may be liable hereunder, the amount set forth in the first paragraph hereof. The term "balance of the Contract price" as used in this paragraph, shall mean the total amount payable by the COUNTY to CONTRACTOR under the Contract and any amendments thereto, less the amount properly paid by the COUNTY to CONTRACTOR.

D. No right of action shall accrue on this Performance Bond to or for the use of any person or corporation other than Santa Fe County named herein or the heirs, executors, administrators, or successors of Santa Fe County.

E. This Bond shall be enforceable without the need to have recourse to any judicial or arbitral proceedings.

SIGNED AND SEALED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2018.

\_\_\_\_\_  
CONTRACTOR – PRINCIPAL (signature)

By: \_\_\_\_\_  
(Printed name and title)

\_\_\_\_\_  
NOTARY PUBLIC (seal)

My Commission expires: \_\_\_\_\_

\_\_\_\_\_  
SURETY (signature)

\_\_\_\_\_  
(Printed name and title)

\_\_\_\_\_  
NOTARY PUBLIC (seal)

My Commission expires: \_\_\_\_\_

\_\_\_\_\_  
SURETY'S Authorized New Mexico Agent

**LABOR AND MATERIAL PAYMENT BOND**

KNOW ALL MEN BY THESE PRESENT, THAT WE \_\_\_\_\_  
 \_\_\_\_\_ as PRINCIPAL hereinafter called the "PRINCIPAL" and  
 \_\_\_\_\_ as SURETY hereinafter called the "SURETY", are held  
 and firmly bound unto Santa Fe County, a Political Subdivision of the State of New Mexico as  
 OBLIGEE hereinafter called the "COUNTY", for the use and benefit of any claimants as herein  
 below defined, in the amount of \_\_\_\_\_ (\$ . ) dollars for the  
 payment whereof PRINCIPAL and SURETY bind themselves, their heirs, executors, administrators,  
 successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, the PRINCIPAL has a written contract dated \_\_\_\_\_, 2018, with the  
 COUNTY for the electrical upgrade for the Woman's Health Building in Santa Fe County, New  
 Mexico, which must be constructed in accordance with drawings and specifications which contract is  
 referenced and made a part hereof, and is hereinafter referred to as the "Contract."

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if PRINCIPAL  
 shall promptly make payment to all claimants as hereinafter defined, for all labor and material used  
 or reasonably required for use in the performance of the Contract, then this obligation shall be void;  
 otherwise, it shall remain in full force and effect, subject to the following conditions:

1. A claimant is defined as one having a direct contract with the PRINCIPAL or with a  
 subcontractor of the PRINCIPAL for labor, material, or both, used or reasonably required  
 for use in the performance of the Contract, labor and material being construed to include  
 but not be limited to that part of water, gas, power, light, heat, oil, gasoline, telephone  
 services or rental of equipment directly applicable to the Contract.
2. The above named PRINCIPAL and SURETY hereby jointly and severally agree with the  
 COUNTY that every claimant as herein defined, who has not been paid in full before the  
 expiration of a period of ninety (90) days after the date on which the last of such  
 claimant's work or labor was done or performed, or materials were furnished by such  
 claimant, prosecute a suit to final judgment for such sum or sums as may be justly due  
 claimant, and have execution thereof. The COUNTY shall not be liable for payment of  
 any cost or expenses of any such suit.
3. No suit or action shall be commenced hereunder by any claimant:
  - a. Unless claimant, or other than one having a direct contract with the PRINCIPAL,  
 shall have written notice in the form of an sworn statement to the COUNTY and  
 any one or both of the following: the PRINCIPAL or SURETY above named,  
 within ninety (90) days after such said claim is made or suit filed, stating with  
 substantial accuracy the amount claimed and the name of the party to whom the  
 materials were furnished, or for whom the work or labor was done or performed.
  - b. Such notice shall be served by mailing the same by registered mail or certified  
 mail, postage prepaid, in an envelope addressed to the COUNTY, PRINCIPAL or  
 SURETY, at any place where an office is regularly maintained by said COUNTY,

PRINCIPAL or SURETY for the transaction of business, or served in any manner in which legal process may be served in the State in which the aforesaid project is located, save that such service need not be made by a public officer.

4. Any suit under this Labor and Material Bond must be instituted in accordance with the statute of limitation under Section 37-1-3 NMSA 1978.
5. No right of action shall accrue on this Bond to or for the use of any person or corporation other than subcontractors or sub-subcontractors of the said Contract between PRINCIPAL and Santa Fe County named herein.

SIGNED AND SEALED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2018.

\_\_\_\_\_  
CONTRACTOR – PRINCIPAL (signature)

By: \_\_\_\_\_  
(Printed name and title)

\_\_\_\_\_  
NOTARY PUBLIC (seal)

My Commission expires: \_\_\_\_\_

\_\_\_\_\_  
SURETY (signature)

\_\_\_\_\_  
(Printed name and title)

\_\_\_\_\_  
NOTARY PUBLIC (seal)

My Commission expires: \_\_\_\_\_

\_\_\_\_\_  
SURETY'S Authorized New Mexico Agent

### SUBCONTRACTOR LISTING

1. To be fully executed and included with Bid as a condition of the Bid (13-4-31 through 13-4-42 NMSA 1978).
2. For the purposes of this Project all subcontractors, regardless of contract amount, must be listed on the subcontractor list.
3. The Bidder shall list the Subcontractor's Name, the City or County of the Place of Business and the Category of Work that will be done by each Subcontractor

Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		
Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		
Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		
Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		

Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		
Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		
Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		
Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		
Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		

Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		
Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		
Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		
Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		
Trade:	Name of Subcontractor:	
Address:		
Telephone No:	License No:	NM Dept of Workplace Solutions Registration No.
Signature of Subcontractor (To be obtained after award of contract):		



**APPENDIX A**  
**ACKNOWLEDGEMENT OF RECEIPT**  
**IFB# 2019-0093-PW/KE**  
**OLD AGUA FRIA DUMP SOLID WASTE**  
**ABATEMENT AND SITE LEVELING**

In acknowledgement of receipt of this Invitation for Bids the undersigned agrees that he/she has received a complete copy, beginning with the title page, and ending with the contractual documents. Completed forms must be submitted to Karen K. Emery no later than November 14, 2018 to receive any addenda for this solicitation.

The acknowledgement of receipt should be signed and returned to Karen K. Emery. Bidders that return this form in a timely manner will receive copies of addenda to this IFB. (Please Print)

FIRM: \_\_\_\_\_  
 REPRESENTED BY: \_\_\_\_\_  
 TITLE: \_\_\_\_\_  
 PHONE NO.: \_\_\_\_\_  
 FAX NO.: \_\_\_\_\_  
 E-MAIL ADDRESS: \_\_\_\_\_  
 MAILING ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 DELIVERY ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_  
 (Signature)  
 Name: \_\_\_\_\_  
 (Printed)  
 Title: \_\_\_\_\_

This name and address will be used for all correspondence related to the Invitations For Bid.

Karen K. Emery  
 Santa Fe County  
 Purchasing Division  
 142 W. Palace Avenue  
 Santa Fe, NM 87504  
 Phone: (505) 992-6759 Fax: (505) 989-3243  
 E-mail: [kkemery@santafecountynm.gov](mailto:kkemery@santafecountynm.gov)

## APPENDIX B

### CAMPAIGN CONTRIBUTION DISCLOSURE FORM

Pursuant to the Procurement Code, Sections 13-1-28, et seq., NMSA 1978 and NMSA 1978, § 13-1-191.1 (2006), as amended by Laws of 2007, Chapter 234, any prospective contractor seeking to enter into a contract with any state agency or local public body **for professional services, a design and build project delivery system, or the design and installation of measures the primary purpose of which is to conserve natural resources** must file this form with that state agency or local public body. This form must be filed even if the contract qualifies as a small purchase or a sole source contract. The prospective contractor must disclose whether they, a family member or a representative of the prospective contractor has made a campaign contribution to an applicable public official of the state or a local public body during the two years prior to the date on which the contractor submits a proposal or, in the case of a sole source or small purchase contract, the two years prior to the date the contractor signs the contract, if the aggregate total of contributions given by the prospective contractor, a family member or a representative of the prospective contractor to the public official exceeds two hundred and fifty dollars (\$250) over the two year period.

Furthermore, the state agency or local public body may cancel a solicitation or proposed award for a proposed contract pursuant to Section 13-1-181 NMSA 1978 or a contract that is executed may be ratified or terminated pursuant to Section 13-1-182 NMSA 1978 of the Procurement Code if: 1) a prospective contractor, a family member of the prospective contractor, or a representative of the prospective contractor gives a campaign contribution or other thing of value to an applicable public official or the applicable public official's employees during the pendency of the procurement process or 2) a prospective contractor fails to submit a fully completed disclosure statement pursuant to the law.

The state agency or local public body that procures the services or items of tangible personal property shall indicate on the form the name or names of every applicable public official, if any, for which disclosure is required by a prospective contractor.

**THIS FORM MUST BE INCLUDED IN THE REQUEST FOR PROPOSALS AND MUST BE FILED BY ANY PROSPECTIVE CONTRACTOR WHETHER OR NOT THEY, THEIR FAMILY MEMBER, OR THEIR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE.**

The following definitions apply:

**“Applicable public official”** means a person elected to an office or a person appointed to complete a term of an elected office, who has the authority to award or influence the award of the contract for which the prospective contractor is submitting a competitive sealed proposal or who has the authority to negotiate a sole source or small purchase contract that may be awarded without submission of a sealed competitive proposal.

**“Campaign Contribution”** means a gift, subscription, loan, advance or deposit of money or other thing of value, including the estimated value of an in-kind contribution, that is made

to or received by an applicable public official or any person authorized to raise, collect or expend contributions on that official's behalf for the purpose of electing the official to statewide or local office. "Campaign Contribution" includes the payment of a debt incurred in an election campaign, but does not include the value of services provided without compensation or unreimbursed travel or other personal expenses of individuals who volunteer a portion or all of their time on behalf of a candidate or political committee, nor does it include the administrative or solicitation expenses of a political committee that are paid by an organization that sponsors the committee.

**"Family member"** means spouse, father, mother, child, father-in-law, mother-in-law, daughter-in-law or son-in-law of (a) a prospective contractor, if the prospective contractor is a natural person; or (b) an owner of a prospective contractor.

**"Pendency of the procurement process"** means the time period commencing with the public notice of the request for proposals and ending with the award of the contract or the cancellation of the request for proposals.

**"Prospective contractor"** means a person or business that is subject to the competitive sealed proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person or business qualifies for a sole source or a small purchase contract.

**"Representative of a prospective contractor"** means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

Name(s) of Applicable Public Official(s) if any: \_\_\_\_\_  
(Completed by State Agency or Local Public Body)

**DISCLOSURE OF CONTRIBUTIONS BY PROSPECTIVE CONTRACTOR:**

Contribution Made By: \_\_\_\_\_

Relation to Prospective Contractor: \_\_\_\_\_

Date Contribution(s) Made: \_\_\_\_\_

Amount(s) of Contribution(s) \_\_\_\_\_

Nature of Contribution(s) \_\_\_\_\_

Purpose of Contribution(s)

---

---

(Attach extra pages if necessary)

Signature

Date

Title (position)

**--OR--**

**NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE** to an applicable public official by me, a family member or representative.

Signature

Date

Title (Position)

## APPENDIX C

### Resident Veterans Preference Certification

\_\_\_\_\_ (NAME OF CONTRACTOR) hereby certifies the following in regard to application of the resident veterans' preference to this procurement.

**Please check the box below:**

☐ I declare under penalty of perjury that my business prior year revenue starting January 1 ending December 31 is up to \$3M allowing me the 10% preference discount on this solicitation. I understand that knowingly giving false or misleading information about this fact constitutes a crime.

"I agree to submit a report or reports to the State Purchasing Division of the General Services Department declaring under penalty of perjury that during the last calendar year starting January 1 and ending on December 31, the following to be true and accurate:

"In conjunction with this procurement and the requirements of this business application for a Resident Veteran Business Preference/Resident Veteran Contractor Preference under Sections 13-1-21 or 13-1-22 NMSA 1978, which awarded a contract which was on the basis of having such veterans preference, I agree to report to the State Purchasing Division of the General Services Department the awarded amount involved. I will indicate in the report the award amount as a purchase from a public body or as a public works contract from a public body as the case may be."

"I understand that knowingly giving false or misleading information on this report constitutes a crime".

I declare under penalty of perjury that this statement is true to the best of my knowledge. I understand that giving false or misleading statements about material fact regarding this matter constitutes a crime.

\_\_\_\_\_  
(Signature of Business Representative)\*

\_\_\_\_\_  
(Date)

\*Must be an authorized signatory of the Business.

The representations made in checking the box constitutes a material representation by the business that is subject to protest and may result in denial of an award or un-award of the procurement involved if the statements are proven to be incorrect.

SIGNED AND SEALED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2018.

\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires:

\_\_\_\_\_

## **APPENDIX D**

### **SAMPLE SERVICE AGREEMENT BETWEEN SANTA FE COUNTY AND [NAME OF CONTRACTOR OR VENDOR] FOR [GOODS OR SERVICES]**

**THIS AGREEMENT** is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ 2018, by and between **SANTA FE COUNTY**, hereinafter referred to as the “County” and **[CONTRACTOR’S NAME]**, whose principal address is **[CONTRACTOR’S ADDRESS]** hereinafter referred to as the “Contractor”.

**WHEREAS**, pursuant to **[PROCUREMENT DELIVERY METHOD USED PURSUANT TO PROCUREMENT CODE, COUNTY PURCHASING REGULATIONS/POLICIES]**; and

**WHEREAS**, the **[BACKGROUND OR DESCRIPTION OF THE COUNTY’S NEEDS AND REQUIREMENTS]**; and

**WHEREAS**, the **[BACKGROUND/BRIEF DESCRIPTION OF THE CONTRACTOR’S ABILITIES/QUALIFICATIONS]**; and

**WHEREAS**, **[GENERAL PURPOSE OF THIS AGREEMENT]**; and

**WHEREAS**, the County requires the services of the Contractor and the Contractor is willing to provide these services and both parties wish to enter into this Agreement.

**NOW, THEREFORE**, it is agreed between the parties:

#### **1. SCOPE OF WORK**

The Contractor shall provide, without limitation, the following services.

**[DESCRIPTION OF THE SERVICES REQUIRED FROM THE CONTRACTOR. SHOULD MIRROR THE DESCRIPTION OF THE SCOPE OF WORK IN THE SOLICITATION, THE CONTRACTOR’S PROPOSAL OR OFFER AND ANY PARTICULAR SERVICES AGREED TO BY THE COUNTY AND CONTRACTOR]**

#### **2. ADDITIONAL SERVICES**

A. The parties agree that all tasks set forth in Section 1 (Scope of Work), of this Agreement shall be completed in full, to the satisfaction of the County, in accordance with professional standards and for the amount set forth in Section 3 (Compensation, Invoicing and Set-off), of this Agreement, and for no other cost, amount, fee or expense.

B. The County may from time to time request changes in the scope of work to be performed hereunder. Such changes, including any increase or decrease in the amount of the

Contractor's compensation, which are mutually agreed upon by and between the County and the Contractor, shall be incorporated in a written amendment to this Agreement.

### 3. COMPENSATION, INVOICING AND SET-OFF

A. In consideration of its obligations under this Agreement the Contractor shall be compensated as follows:

- 1) County shall pay to the Contractor in full payment for services satisfactorily performed.
- 2) The total amount payable to the Contractor under this Agreement shall not exceed **[WRITTEN WORD]** dollars (**\$XX,XXX.XX**) **exclusive** of New Mexico gross receipts tax.
- 3) This amount is a maximum and not a guarantee that the work assigned to be performed by Contractor under this Agreement shall equal the amount stated herein. The parties do not intend for the Contractor to continue to provide services without compensation when the total compensation amount is reached. The County will notify the Contractor when the services provided under this Agreement reach the total compensation amount. In no event will the Contractor be paid for services provided in excess of the total compensation amount without this Agreement being amended in writing.

B. The Contractor shall submit a written request for payment to the County when payment is due under this Agreement. Upon the County's receipt of the written request, the County shall issue a written certification of complete or partial acceptance or rejection of the deliverables for which payment is sought.

- 1) The County's representative for certification of acceptance or rejection of contractual items and services shall be **[USER AGENCY NAME/INDIVIDUAL, ADDRESS AND PHONE NUMBER]**, or such other individual as may be designated in the absence of the County representative.
- 2) The Contractor acknowledges and agrees that the County may not make any payment hereunder unless and until it has issued a written certification accepting the contractual services or deliverables.
- 3) Within 30 days of the issuance of a written certification accepting the services or deliverables, the County shall tender payment for the accepted items or services. In the event the County fails to tender payment within 30 days of the written certification accepting the items or services, the County shall pay late payment charges of one and one-half percent (1.5%) per month, until the amount due is paid in full.

C. In the event the Contractor breaches this Agreement, the County may, without penalty, withhold any payments due the Contractor for the purpose of set-off until such time as the County determines the exact amount of damages it suffered as a result of the breach.

D. Payment under this Agreement shall not foreclose the right of the County to recover excessive or illegal payment.

#### **4. EFFECTIVE DATE AND TERM**

This Agreement shall, upon due execution by all parties, become effective as of the date first written above and shall terminate \_\_\_\_\_ later, unless earlier terminated pursuant to Section 5 (Termination) or Section 6 (Appropriations and Authorizations). The County has the option to extend the term of this Agreement in \_\_\_\_\_ increments not to exceed four years in total

#### **5. TERMINATION**

A. Termination of Agreement for Cause. Either party may terminate the Agreement based upon any material breach of this Agreement by the other party. The non-breaching party shall give the breaching party written notice of termination specifying the grounds for the termination. The termination shall be effective 30 days from the breaching party's receipt of the notice of termination, during which time the breaching party shall have the right to cure the breach. If, however, the breach cannot with due diligence be cured within 30 days, the breaching party shall have a reasonable time to cure the breach, provided that, within 30 days of its receipt of the written notice of termination, the breaching party began to cure the breach and advised the non-breaching party in writing that it intended to cure.

B. Termination for Convenience of the County. The County may, in its discretion, terminate this Agreement at any time for any reason by giving the Contractor written notice of termination. The notice shall specify the effective date of termination, which shall not be less than 15 days from the Contractor's receipt of the notice. The County shall pay the Contractor for acceptable work, determined in accordance with the specifications and standards set forth in this Agreement, performed before the effective date of termination but shall not be liable for any work performed after the effective date of termination.

#### **6. APPROPRIATIONS AND AUTHORIZATIONS**

This Agreement is contingent upon sufficient appropriations and authorizations being made for performance of this Agreement by the Board of County Commissioners of the County and/or, if state funds are involved, the Legislature of the State of New Mexico. If sufficient appropriations and authorizations are not made in this or future fiscal years, this Agreement shall terminate upon written notice by the County to the Contractor. Such termination shall be without penalty to the County, and the County shall have no duty to reimburse the Contractor for expenditures made in the performance of this Agreement. The County is expressly not committed to expenditure of any funds until such time as they are programmed, budgeted, encumbered and approved for expenditure by the County. The County's decision as to whether sufficient appropriations and authorizations have been made for



the fulfillment of this Agreement shall be final and not subject to challenge by the Contractor in any way or forum, including a lawsuit.

## **7. INDEPENDENT CONTRACTOR**

The Contractor and its agents and employees are independent contractors and are not employees or agents of the County. Accordingly, the Contractor and its agents and employees shall not accrue leave, participate in retirement plans, insurance plans, or liability bonding, use County vehicles, or participate in any other benefits afforded to employees of the County. Except as may be expressly authorized elsewhere in this Agreement, the Contractor has no authority to bind, represent, or otherwise act on behalf of the County and agrees not to purport to do so.

## **8. ASSIGNMENT**

The Contractor shall not assign or transfer any interest in this Agreement or assign any claims for money due or to become due under this Agreement without the advance written approval of the County. Any attempted assignment or transfer without the County's advance written approval shall be null and void and without any legal effect.

## **9. SUBCONTRACTING**

The Contractor shall not subcontract or delegate any portion of the services to be performed under this Agreement without the advance written approval of the County. Any attempted subcontracting or delegating without the County's advance written approval shall be null and void and without any legal effect.

## **10. PERSONNEL**

A. All work performed under this Agreement shall be performed by the Contractor or under its supervision.

B. The Contractor represents that it has, or will secure at its own expense, all personnel required to discharge its obligations under this Agreement. Such personnel (i) shall not be employees of or have any contractual relationships with the County and (ii) shall be fully qualified and licensed or otherwise authorized or permitted under federal, state, and local law to perform such work.

## **11. RELEASE**

Upon its receipt of all payments due under this Agreement, the Contractor releases the County, its elected officials, officers, agents and employees from all liabilities, claims, and obligations whatsoever arising from or under or relating to this Agreement.

**12. CONFIDENTIALITY**

Any confidential information provided to or developed by the Contractor in the performance of this Agreement shall be kept confidential and shall not be made available to any individual or organization by the Contractor without the prior written approval of the County.

**13. PUBLICATION, REPRODUCTION, AND USE OF MATERIAL; COPYRIGHT**

A. The County has the unrestricted right to publish, disclose, distribute and otherwise use, in whole or in part, any reports, data, or other material prepared under or pursuant to this Agreement.

B. The Contractor acknowledges and agrees that any material produced in whole or in part under or pursuant to this Agreement is a work made for hire. Accordingly, to the extent that any such material is copyrightable in the United States or in any other country, the County shall own any such copyright.

**14. CONFLICT OF INTEREST**

The Contractor represents that it has no and shall not acquire any interest, direct or indirect, that would conflict in any manner or degree with the performance of its obligations under this Agreement.

**15. NO ORAL MODIFICATIONS; WRITTEN AMENDMENTS REQUIRED**

This Agreement may not be modified, altered, changed, or amended orally but, rather, only by an instrument in writing executed by the parties hereto. The Contractor specifically acknowledges and agrees that the County shall not be responsible for any changes to Section 1 (Scope of Work), of this Agreement unless such changes are set forth in a duly executed written amendment to this Agreement.

**16. ENTIRE AGREEMENT; INTEGRATION**

This Agreement incorporates all the agreements, covenants, and understandings between the parties hereto concerning the subject matter hereof, and all such agreements, covenants and understandings have been merged into this written Agreement. No prior or contemporaneous agreement, covenant or understandings, verbal or otherwise, of the parties or their agents shall be valid or enforceable unless embodied in this Agreement.

**17. NOTICE OF PENALTIES**

The Procurement Code, NMSA 1978, Sections 13-1-28 through 13-1-199, imposes civil and criminal penalties for its violation. In addition, New Mexico criminal statutes impose felony penalties for bribes, gratuities, and kickbacks.

**18. EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE**

A. The Contractor agrees to abide by all federal, state, and local laws, ordinances, and rules and regulations pertaining to equal employment opportunity and unlawful discrimination. Without in any way limiting the foregoing general obligation, the Contractor specifically agrees not to discriminate against any person with regard to employment with the Contractor or participation in any program or activity offered pursuant to this Agreement on the grounds of race, age, religion, color, national origin, ancestry, sex, physical or mental handicap, serious medical condition, spousal affiliation, sexual orientation, or gender identity.

B. The Contractor acknowledges and agrees that failure to comply with this Section shall constitute a material breach of this Agreement.

**19. COMPLIANCE WITH APPLICABLE LAW; CHOICE OF LAW**

A. In performing its obligations hereunder, the Contractor shall comply with all applicable laws, ordinances, and regulations.

B. Contractor shall comply with the requirements of Santa Fe County Ordinance 2014-1 (Establishing a Living Wage).

C. This Agreement shall be construed in accordance with the substantive laws of the State of New Mexico, without regard to its choice of law rules. Contractor and the County agree that the exclusive forum for any litigation between them arising out of or related to this Agreement shall be state district courts of New Mexico, located in Santa Fe County.

**20. RECORDS AND INSPECTIONS**

A. To the extent its books and records relate to (i) its performance of this Agreement or any subcontract entered into pursuant to it or (ii) cost or pricing data (if any) set forth in this Agreement or that was required to be submitted to the County as part of the procurement process, the Contractor agrees to (i) maintain such books and records during the term of this Agreement and for a period of six years from the date of final payment under this Agreement; (ii) allow the County or its designee to audit such books and records at reasonable times and upon reasonable notice; and (iii) to keep such books and records in accordance with generally accepted accounting principles (GAAP).

B. To the extent its books and records relate to (i) its performance of this Agreement or any subcontract entered into pursuant to it or (ii) cost or pricing data (if any) set forth in this Agreement or that was required to be submitted to County as part of the procurement process, the Contractor also agrees to require any subcontractor it may hire to perform its obligations under this Agreement to (i) maintain such books and records during the term of this Agreement and for a period of six years from the date of final payment under the subcontract; (ii) to allow the County or its designee to audit such books and records at reasonable times and upon reasonable notice; and (iii) to keep such books and records in accordance with GAAP.

## 21. INDEMNIFICATION

A. The Contractor shall defend, indemnify, and hold harmless the County and its elected officials, agents, and employees from any losses, liabilities, damages, demands, suits, causes of action, judgments, costs or expenses (including but not limited to court costs and attorneys' fees) resulting from or directly or indirectly arising out of the Contractor's performance or non-performance of its obligations under this Agreement, including but not limited to the Contractor's breach of any representation or warranty made herein.

B. The Contractor agrees that the County shall have the right to control and participate in the defense of any such demand, suit, or cause of action concerning matters that relate to the County and that such suit will not be settled without the County's consent, such consent not to be unreasonably withheld. If a conflict exists between the interests of the County and the Contractor in such demand, suit, or cause of action, the County may retain its own counsel to represent the County's interest.

C. The Contractor's obligations under this section shall not be limited by the provisions of any insurance policy the Contractor is required to maintain under this Agreement.

## 22. SEVERABILITY

If any term or condition of this Agreement shall be held invalid or non-enforceable by any court of competent jurisdiction, the remainder of this Agreement shall not be affected and shall be valid and enforceable to the fullest extent of the law.

## 23. NOTICES

Any notice required to be given to either party by this Agreement shall be in writing and shall be delivered in person, by courier service or by U.S. mail, either first class or certified, return receipt requested, postage prepaid, as follows:

To the County:	Santa Fe County Attn: Santa Fe County Manager 102 Grant Avenue P.O. Box 276 Santa Fe, New Mexico 87504-0276
----------------	---

To the Contractor:	<b>[CONTRACTOR'S NAME AND ADDRESS]</b>
--------------------	--

## 24. CONTRACTOR'S REPRESENTATIONS AND WARRANTIES

The Contractor hereby represents and warrants that:

A. This Agreement has been duly authorized by the Contractor, the person executing this Agreement has authority to do so, and, once executed by the Contractor, this Agreement shall constitute a binding obligation of the Contractor.

B. This Agreement and Contractor's obligations hereunder do not conflict with Contractor's corporate agreement or any statement filed with the New Mexico Secretary of State on Contractor's behalf.

C. Contractor is legally registered and is properly licensed by the State of New Mexico to provide the services anticipated by this Agreement and shall maintain such registration and licensure in good standing throughout the duration of the Agreement.

## **25. FACSIMILE SIGNATURES**

The parties hereto agree that a facsimile signature has the same force and effect as an original for all purposes.

## **26. NO THIRD-PARTY BENEFICIARIES**

This Agreement was not intended to and does not create any rights in any persons not a party hereto.

## **27. INSURANCE**

A. General Conditions. The Contractor shall submit evidence of insurance as is required herein. Policies of insurance shall be written by companies authorized to write such insurance in New Mexico.

B. General Liability Insurance, Including Automobile. The Contractor shall procure and maintain during the life of this Agreement a comprehensive general liability and automobile insurance policy with liability limits in amounts not less than \$1,000,000.00 combined single limits of liability for bodily injury, including death, and property damage for any one occurrence. Said policies of insurance shall include coverage for all operations performed for the County by the Contractor; coverage for the use of all owned, non-owned, hired automobiles, vehicles and other equipment, both on and off work; and contractual liability coverage under which this Agreement is an insured contract. Santa Fe County shall be a named additional insured on the policy.

C. Increased Limits. If, during the life of this Agreement, the Legislature of the State of New Mexico increases the maximum limits of liability under the Tort Claims Act (NMSA 1978, Sections 41-4-1 through 41-4-29, as amended), the Contractor shall increase the maximum limits of any insurance required herein.

## **28. PERMITS, FEES, AND LICENSES**

Contractor shall procure all permits and licenses, pay all charges, fees, and royalties, and give all notices necessary and incidental to the due and lawful performance of its obligations hereunder.

**29. NEW MEXICO TORT CLAIMS ACT**

No provision of this Agreement modifies or waives any sovereign immunity or limitation of liability enjoyed by County or its “public employees” at common law or under the New Mexico Tort Claims Act, NMSA 1978, Section 41-4-1, et seq.

**30. CAMPAIGN CONTRIBUTION DISCLOSURE FORM**

The Contractor agrees to compute and submit simultaneous with execution of this Agreement a Campaign Contribution Disclosure form approved by the County.

**31. APPOINTMENT OF AGENT FOR SERVICE OF PROCESS**

The Contractor hereby irrevocably appoints [NAME AND ADDRESS OF AGENT], as its agent upon whom process and writs in any action or proceeding arising out of or related to this Agreement may be served. The Contractor acknowledges and agrees that service upon its designated agent shall have the same effect as though the Contractor were actually and personally served within the state of New Mexico.

**32. SURVIVAL**

The provisions of following paragraphs shall survive termination of this Contract; INDEMNIFICATION; RECORDS AND INSPECTION; RELEASE, CONFIDENTIALITY, PUBLICATION, REPRODUCTION, AND USE OF MATERIAL; COPYRIGHT; COMPLIANCE WITH APPLICABLE LAW; CHOICE OF LAW; NO THIRD-PARTY BENEFICIARIES; SURVIVAL.

**IN WITNESS WHEREOF**, the parties have duly executed this Agreement as of the date first written above.

**SANTA FE COUNTY**

\_\_\_\_\_  
Katherine Miller  
County Manager

\_\_\_\_\_  
Date

Approved as to form

\_\_\_\_\_  
R. Bruce Frederick  
County Attorney

\_\_\_\_\_  
Date

Finance Department

\_\_\_\_\_  
Stephanie S. Clarke  
Finance Director

\_\_\_\_\_  
Date

**CONTRACTOR:**

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Print Name)

\_\_\_\_\_  
(Print Title)

**APPENDIX E**  
**NM WAGE DETERMINATION**





STATE OF NEW MEXICO  
NEW MEXICO DEPARTMENT OF  
WORKFORCE SOLUTIONS  
Labor Relations Division  
121 Tijeras Ave NE, Suite 3000  
Albuquerque, NM 87102  
[www.dws.state.nm.us](http://www.dws.state.nm.us)

## PUBLIC WORKS PROJECT REQUIREMENTS

As a participant in a Public Works project valued at more than \$60,000 in the State of New Mexico, the following list addresses many of the responsibilities that are defined by statute or regulation to each project stakeholder.

### Contracting Agency

- Ensure that all Contractors wishing to bid on a Public Works project when the project is \$60,000 or more are actively registered with the Public Works and Apprenticeship Application (PWAA) website: <http://www.dws.state.nm.us/pwaa> (Contractor Registration) prior to bidding.
- Please submit Notice of Award (NOA) and Subcontractor List(s) to the PWAA website promptly after the project is awarded.
- Please update the Subcontractor List(s) on the PWAA website whenever changes occur.
- All Sub-Contractors and tiers (excluding professional services) regardless of contract amount must be listed on the Subcontractor List and must adhere to the Public Works Minimum Wage Act.
- Ninety days after project completion please go into the PWAA system and close the project. Only Contracting Agencies are allowed to close the project. Agents or Contractors are not allowed to close projects.

### General Contractor

- Provide a complete Subcontractor List and Statements of Intent (SOI) to Pay Prevailing Wages for all Contractors, regardless of amount of work, to the Contracting Agency within 3 (three) days of award.
- Ensure that all Subcontractors wishing to bid on a Public Works project have an active Contractor Registration with the Public Works and Apprenticeship Application (PWAA) website: <http://www.dws.state.nm.us/pwaa> prior to bidding when their bid will exceed \$60,000.
- Submit weekly certified payroll bi-weekly to the Contracting Agency.
- Make certain the Public Works Apprentice and Training Act contributions are paid either to an approved Apprenticeship Program or to the Public Works Apprentice and Training Fund.
- Confirm the Wage Rate poster, provided in PWAA, is displayed at the job site in an easily accessible place.
- Make sure, when a project has been completed, the Affidavits of Wages Paid (AWP) are sent to the Contracting Agency.

**TYPE "A" - STREET, HIGHWAY, UTILITY & LIGHT ENGINEERING****Effective January 1, 2018**

<b>Trade Classification</b>	<b>Base Rate</b>	<b>Fringe Rate</b>
Bricklayer/Blocklayer/Stonemason	23.52	8.84
Carpenter/Lather	24.00	9.97
Cement Mason	17.42	6.35
Ironworker	26.50	15.30
Painter (Brush/Roller/Spray)	16.75	6.28
Plumber/Pipefitter	28.95	12.23
<b>Electricians (outside)</b>		
Groundman	22.36	11.56
Equipment Operator	32.08	14.09
Lineman/Wireman or Tech	37.75	15.57
Cable Splicer	41.53	16.56
<b>Laborers</b>		
Group I	11.96	5.55
Group II	12.26	5.55
Group III	12.66	5.55
<b>Operators</b>		
Group I	16.94	6.33
Group II	17.69	6.33
Group III	17.80	6.33
Group IV	17.88	6.33
Group V	18.00	6.33
Group VI	18.14	6.33
Group VII	18.52	6.33
Group VIII	18.75	6.33
Group IX	25.70	6.33
Group X	28.60	6.33
<b>Truck Drivers</b>		
Group I	16.00	7.17
Group II	16.00	7.17
Group III	16.00	7.17
Group IV	16.00	7.17

**NOTE: All contractors are required to pay SUBSISTENCE, ZONE AND INCENTIVE PAY according to the particular trade. Details are located in a PDF attachment at [WWW.DWS.STATE.NM.US](http://WWW.DWS.STATE.NM.US). Search Labor Relations/Labor Information/Public Works/Prevailing Wage Rates.**

To refine your search, enter your desired search criteria using any of the fields below and then selecting the Search button. Selecting the Reset button will clear all search field criteria entries.

**Project  
Name:**

  
☐ **Contains**

**Wage  
Decision  
No:**

  
☐ **Contains**

**County:**

**Search**

**Reset**

Rows 1-1 of 1

<b>Wage Decision Number (Click to view)</b>	<b>Project Name</b>	<b>Wage Decision Approval Date</b>	<b>Wage Decision Bid Expiration Date</b>
SF-18-1834-A	Agua Fria Dump Solid Waste Abatement and Site Leveling	10/29/2018	02/26/2019

***PROJECT REPORT***

***INVESTIGATION OF  
SUSPECT ASBESTOS CONTAINING  
MATERIALS***



***ROMERO PARK-  
SANTA FE COUNTY  
SANTA FE, NM***

*Prepared by*  
***ACME ENVIRONMENTAL, INC***  
***3816 CARLISLE NE***  
***ALBUQUERQUE, NM***



## Limited Site Investigation

May 14, 2018

**ATTENTION:** Clay Kilmer  
**SUBJECT:** Limited investigation  
**PROJECT LOCATION:** Romero Park – Santa Fe County  
**ACME PROJECT #:** 18-061

Mr. Kilmer:

Acme Environmental, Inc. (Acme) has completed limited investigations of the occurrence of asbestos in debris located at the Romero Park area in Santa Fe County, New Mexico.

### SCHEDULED WORK

Acme performed bulk sampling of suspect materials located on the surface in select areas of the open land. Brett Engel (AHERA Accredited Asbestos Inspector) conducted the survey.

### SAMPLING

Suspect materials were identified in numerous locations (see photos). Sample areas have been denoted on the site map.

### CONCLUSIONS








Asbestos was detected in seven of the nine bulk samples collected.

It is assumed that all visible transite type debris and vinyl floor tile debris is asbestos containing. Other random items may be encountered, such as brake linings.

Asbestos containing materials must be properly controlled and/or removed prior to construction services that will impact them or create dust. These items may not be buried or “disposed” on site. Materials may be hand collected by qualified personnel. Additional materials can be assumed to be under the surface. Any excavation must be done under the supervision of Asbestos NESHAP qualified personnel. Bulk soil removal may need to be considered asbestos contaminated if visible asbestos materials are not segregated from the load.



**Photo Log of area  
(not all areas represented)**

	
<b>Area A 150 sq ft +/- Asbestos Debris</b>	<b>Detail Area A</b>
	
<b>Area G 2500 sq ft +/- Asbestos Debris</b>	<b>Detail Area G</b>
	
<b>Area F 1500 sq ft +/- Asbestos Debris</b>	<b>Area H 1500 sq ft +/- Asbestos Debris</b>
	
<b>Area D 200 sq ft +/- Asbestos Tile Debris</b>	



#### **QUANTIFICATION ESTIMATE**

A general estimation of the surface area where asbestos debris is present:

10,000 – 15,000 sf.

Please contact our office at (505) 433-4461 if any additional information is required.

Respectfully,



Brett Engel  
President / CEO Industrial Hygiene Technician  
Acme Environmental, Inc.

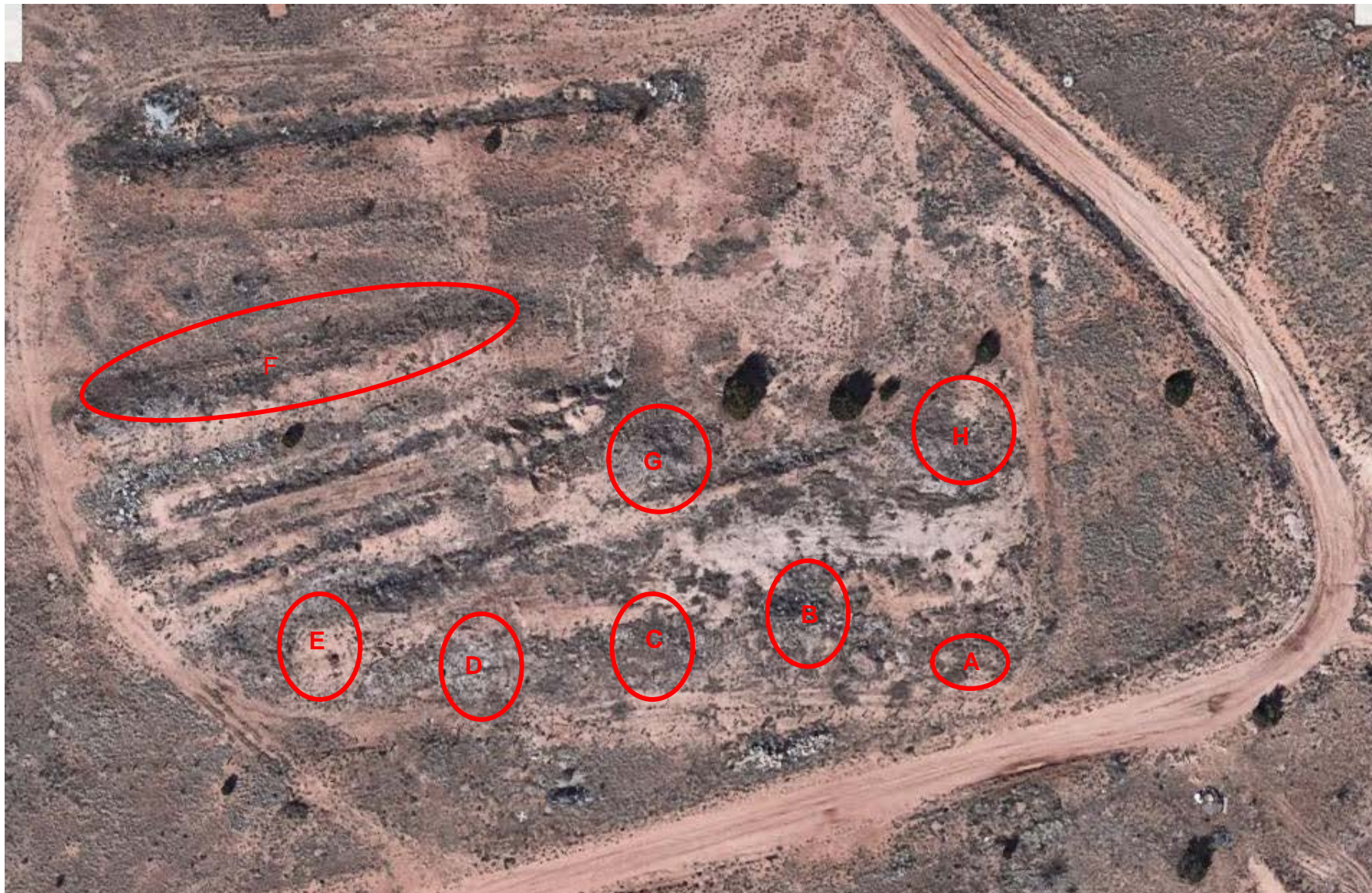
#### ***Project Report Limitations***

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities.

Acme's opinions and recommendations regarding environmental conditions, as presented in this report, are based on visual inspection and limited sampling only. The samples collected and used for testing, and the observations made are believed to be representative of the area(s) evaluated. It should be understood that the conditions of a site could change with time as a result of activities at the subject site or nearby sites.

This report is intended exclusively for use by the clients. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.





**Generalized Site Map  
Romero Park – Santa Fe County  
Asbestos Locations**

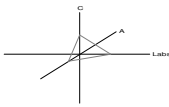


*Drawing Not To Scale*



**CA Labs**  
Dedicated to  
Quality

**Crisp Analytical, L.L.C.**  
1929 Old Denton Road  
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Phone 972-242-2754  
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Fax 225-751-5634

## **Materials Characterization - Bulk Asbestos Analysis**

### **Laboratory Analysis Report - Polarized Light**

#### **ACME Environmental**

3816 Carlisle NE  
Albuquerque, NM 87107

Customer Project: 18-061, Asbestos Sampling, Romero Park Santa Fe (1)  
Reference #: CAL18053244AG Date: 5/18/2018

#### **Analysis and Method**

Summary of polarized light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved)). The sample is first viewed with the aid of a stereomicroscope. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

#### **Discussion**

Vermiculite containing samples may contain trace amounts of actinolite/tremolite. When not detected by PLM, these samples should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may contain a regulated asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Since allowable variation in quantification of samples close to 1% is high, <1% may be reported. Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos or "trace asbestos". **In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.**

#### **Qualifications**

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). CA Labs is also accredited by AIHA LAP, LLC. in the PLM asbestos field of testing for Industrial Hygiene. All analysts have completed college courses or hold a degree in a natural science (geology, biology, or environmental science). Recognition by a state professional board in one these disciplines is preferred, but not required. Extensive in-house training programs are used to augment the educational background of the analyst. The Laboratory Director and Quality Manager have received supplemental McCrone Research training for asbestos identification. Analysis performed at Crisp Analytical Labs, LLC 1929 Old Denton Road Carrollton, TX 75006

*Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235*  
**AIHA LAP, LLC Laboratory #102929**

## Overview of Project Sample Material Containing Asbestos

**Customer Project:** 18-061, Asbestos Sampling, Romero Park Santa Fe | **CA Labs Project #:** CAL18053244AG

Sample #	Layer #	Analysts	Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
----------	---------	----------	-----------------------------------	--	--

A-01	A-01-1		<b>Suspect Transite Debris/</b> gray transite	<b>20% Chrysotile</b>	gray transite brown gasketing tan floor tile gray flooring
------	--------	--	---	-----------------------	---

B-01	B-01-1		<b>Suspect Brake Lining/</b> brown gasketing	<b>60% Chrysotile</b>
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C-01	C-01-1		<b>Suspect Transite Debris/</b> gray transite	<b>20% Chrysotile</b>
------	--------	--	---	-----------------------

D-02	D-02-1		<b>Suspect Vinyl Floor Covering Debris/</b> tan floor tile	<b>2% Chrysotile</b>
------	--------	--	--	----------------------

E-01	E-01-1		<b>Suspect Vinyl Floor Covering Debris/</b> gray flooring	<b>8% Chrysotile</b>
------	--------	--	---	----------------------

F-01	F-01-1		<b>Suspect Transite Debris/</b> gray transite	<b>20% Chrysotile</b>
------	--------	--	---	-----------------------

G-01	G-01-1		<b>Suspect Transite Debris/</b> gray transite	<b>20% Chrysotile</b>
------	--------	--	---	-----------------------

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

**AIHA LAP, LLC Laboratory #102929**

### Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate	pe - perlite	fg - fiberglass	pa - palygorskite (clay)
gypsum - gypsum	qu - quartz	mw - mineral wool	
bi - binder		wo - wollastonite	
or - organic		ta - talc	
ma - matrix		sy - synthetic	
mi - mica		ce - cellulose	
ve - vermiculite		br - brucite	
ot - other		ka - kaolin (clay)	

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**CA Labs****Dedicated to  
Quality****Crisp Analytical, L.L.C.**1929 Old Denton Road  
Carrollton, TX 75006  
Phone 972-242-2754  
Fax 972-242-2798**CA Labs, L.L.C.**12232 Industriplex, Suite 32  
Baton Rouge, LA 70809  
Phone 225-751-5632  
Fax 225-751-5634**Polarized Light Asbestiform Materials Characterization****Customer Info: Attn:****ACME Environmental**3816 Carlisle NE  
Albuquerque, NM 87107

Phone # 505-872-2263

Fax # 505-889-8261

**Customer Project:**18-061, Asbestos Sampling,  
Romero Park Santa Fe County  
Site**Turnaround Time:**

3 days

**CA Labs Project #:**

CAL18053244AG

**Date:**

5/18/2018

**Samples Received:** 5/15/18 10:30AM**Date Of Sampling:** 5/14/2018**Purchase Order #:**

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
----------	-------------	------------	--	-------------------------------	--	--------------------------------------	-------------------------------

A-01		1	A-01- <b>Suspect Transite Debris/</b> gray <i>transite</i>	y	<b>20% Chrysotile</b>		80% qu,ca
------	--	---	---	---	-----------------------	--	-----------

B-01		1	B-01- <b>Suspect Brake Lining/</b> brown <i>gasketing</i>	y	<b>60% Chrysotile</b>		40% qu,ma,ca
------	--	---	--	---	-----------------------	--	--------------

B-02		1	B-02- <b>Stucco Finish Coat Debris/</b> <i>brown and gray stucco</i>	n	<b>None Detected</b>		100% qu,ca
------	--	---	---	---	----------------------	--	------------

C-01		1	C-01- <b>Suspect Transite Debris/</b> gray <i>transite</i>	y	<b>20% Chrysotile</b>		80% qu,ca
------	--	---	---	---	-----------------------	--	-----------

D-01		1	D-01- <b>Stucco Debris/</b> brown and <i>gray stucco</i>	n	<b>None Detected</b>		100% qu,ca
------	--	---	---	---	----------------------	--	------------

D-02		1	D-02- <b>Suspect Vinyl Floor Covering</b> <b>Debris/</b> tan floor tile	y	<b>2% Chrysotile</b>		98% qu,ca
------	--	---	--	---	----------------------	--	-----------

E-01		1	E-01- <b>Suspect Vinyl Floor Covering</b> <b>Debris/</b> gray flooring	y	<b>8% Chrysotile</b>		92% qu,ma
------	--	---	---	---	----------------------	--	-----------

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

**AIHA LAP, LLC Laboratory #102929**

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate

gy - gypsum

bi - binder

or - organic

ma - matrix

mi - mica

ve - vermiculite

ot - other

pe - perlite

qu - quartz

fg - fiberglass

mw - mineral wool

wo - wollastonite

ta - talc

sy - synthetic

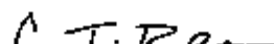
ce - cellulose

br - brucite

ka - kaolin (clay)

pa - palygorskite (clay)

Approved Signatories:

Stanley Massett  
AnalystTechnical Manager  
Tanner RasmussenSenior Analyst  
Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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3 days

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CAL18053244AG

**Date:**

5/18/2018

**Samples Received:** 5/15/18 10:30AM**Date Of Sampling:** 5/14/2018**Purchase Order #:**

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----------	-------------	------------	-----------------------	-------------------------	-------------------------------	--	--------------------------------------	-------------------------------

F-01		1		<b>F-01- Suspect Transite Debris/ gray</b> transite	y	<b>20% Chrysotile</b>		80% qu,ca
------	--	---	--	--	---	-----------------------	--	-----------

G-01		1		<b>G-01- Suspect Transite Debris/ gray</b> transite	y	<b>20% Chrysotile</b>		80% qu,ca
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Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

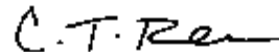
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Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Stanley Massett  
AnalystTechnical Manager  
Tanner RasmussenSenior Analyst  
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1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
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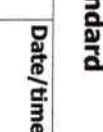

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested



ENVIRONMENTAL  
3816 CARLISLE NE | ALBUQUERQUE, NM | 87107

## BULK SAMPLE CHAIN OF CUSTODY

CAL18053244

Acme Client: <b>Gordon Environmental</b>		Sampled by (print): <b>Brett Engel</b>							
Project Name: <b>Asbestos Sampling</b>		Project #: <b>18-061</b>							
Project Location: <b>Romero Park Santa Fe County Site</b>		Sample Date: <b>5/14/18</b>							
		Page 1 of 1							
Sample Number	Material Description	Sample Location	Material Type (Misc., Surf, Tsi)	F/NF	Est. Qty.	Analysis Type	1st Results	2nd Results	Comments
A-01	Suspect transite debris	Area A	Misc	NF		PLM			
B-01	Suspect brake lining	Area B	Misc	NF		PLM			
B-02	Stucco finish coat debris	Area B	Misc	NF		PLM			
C-01	Suspect transite debris	Area C	Misc	NF		PLM			
D-01	Stucco debris	Area D	Misc	NF		PLM			
D-02	Suspect vinyl floor covering debris	Area D	Misc	NF		PLM			
E-01	Suspect vinyl floor covering debris	Area E	Misc	NF		PLM			
F-01	Suspect transite debris	Area F	Misc	NF		PLM			
G-01	Suspect transite debris	Area G	Misc	NF		PLM			
<div>Special Instructions To Laboratory: email results <a href="mailto:acmebrettengel@gmail.com">acmebrettengel@gmail.com</a></div> <div>Turn around time requested: <input checked="" type="checkbox"/> Standard</div> <div>Relinquished by:  Date/time: 5/14/18 10:34 AM</div> <div>Received by:  Date/time: 5/15/18 10:34 AM</div>									

This certifies successful  
completion of the approved 4 hour training course.

**Brett Engel**

## **Asbestos Inspector Refresher**

For the purposes of accreditation required under

TSCA Title II and AHERA

In compliance with the State of Louisiana regulation.

Conducted by

**Acme Environmental, Inc.**


**3816 Carlisle NE**

**Albuquerque, NM 87107**

**(505) 433-4461**

Course Date: \_\_\_\_\_ 10/24/2017

Expires On: \_\_\_\_\_ 10/24/2018

Course Director: \_\_\_\_\_ 



Certificate Number: \_\_\_\_\_ 102417-16

**February 17, 2012**



## **Prairie Dog Loop Phase II Environmental Site Assessment**

**R.T. Hicks Consultants, Ltd.**

901 Rio Grande Blvd. NW, Suite F-142  
Albuquerque, NM 87104



**February 17, 2012**

# **Prairie Dog Loop**

## **Phase II Environmental Site Assessment**

**prepared for:**  
**Santa Fe Public Schools**  
**Santa Fe, NM**

**R.T. Hicks Consultants, Ltd.**

**901 Rio Grande Blvd. NW, Suite F-142  
Albuquerque, NM 87104**



# R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

February 17, 2012

Shirley McDougall  
Asset Manager, Architect  
Santa Fe Public Schools  
smcdougall@sfps.info

Leo C. Prenevost  
Construction Project Manager  
LCPRENEVOST@sfps.info

RE: SW ¼ Section 31 T 17N R 9E  
County Rd 62 and Prairie Dog Loop Rd., Santa Fe, NM (the Property)

Dear Ms McDougall and Mr. Prenevost

R.T. Hicks Consultants, Ltd. is pleased to submit the Phase II Environmental Site Assessment for the above-referenced property. This report finds:

1. The risks to human health posed by the chemicals in the trash do not exceed "acceptable" risks as determined by New Mexico guidance.
2. Soil samples obtained below the trash show that the risk to groundwater quality posed by the chemicals in the trash is negligible.
3. The risks to construction workers who may contact the trash during a mitigation program do not exceed "acceptable" risks as determined by New Mexico guidance.
4. In order to construct a school at the site, our evaluation found two waste management options that are technically and economically feasible :
  - a. Excavation and disposal of the trash at a nearby permitted landfill
  - b. Excavation and on-site burial of the trash in an engineered burial cell
5. The cost of each feasible option, including a provision estimate for additional laboratory testing, regulatory permitting and engineering design is
  - a. Excavation and disposal: \$830,485 (high cost), \$725,667 (low cost)
  - b. On-site burial: \$296,405 (high cost), \$156,002 (low cost)

Notes:

- Add a 10% provision to Excavation and Disposal for additional laboratory expenses
- Add a 30% provision to On-site burial for engineering, permitting and additional laboratory testing.

The Phase I report dated January 9, 2012, concluded that the presence of buried household solid waste at the Property is a Recognized Environmental Condition. The purpose of the Phase II ESA was to conduct a limited investigation and sampling program to develop sufficient data to provide Santa Fe Public Schools with a reasonable cost estimate to mitigate or remove the buried solid waste such that the Property may be used for a public school. Please note that additional investigation and evaluation will be necessary to close any regulatory file on the Property and prepare plans for mitigation/removal of the waste. The cost of additional sampling and reporting to the regulatory agency is included in the cost.

## Sampling Methodology

On January 20, 2012 Andrew Parker of RT Hicks Consultants mobilized to the Property to perform the Phase II ESA. Using a backhoe and operator provided by Frank Jaramillo with Santa Fe County, we excavated thirteen (13) trenches and collected 12 soil/trash samples as presented on Table 1. Plate 1 shows the locations of the 12 trenches.

**Table 1: Exploratory trench sample depths**

Trench ID	Total Depth (ft bgs)	Sample Depth (ft bgs)	Comments
T1	9	2.5 & 5	
T2	7	4	No trash
T3	5.5	5	No trash
T4	11	3.5 & 9	Trash
T5	8.5	3.5 & 8.5	Trash
T6	9.5	3.5 & 9.5	Trash
T7	7	3.5 & 7	Trash
T8	1.5	--	No trash
T9	2	--	No trash
T10	2	--	No trash
T11	2	--	Trash (1 to 2 ft bgs)
T12	2	--	No trash
T13	2	--	No trash

Notes:

1. bgs = below ground surface

Exploratory trenches T1, T4 through T7 were excavated from the center of the historic solid waste burial trench to approximately 1.5 ft beyond the edge of the burial trench; excavated trenches were approximately 2 ft wide by 13 ft long. Exploratory trench T2 extended approximately 6 feet into the southern edge of a leveled surface disturbance and extended approximately 6 feet south of the southern edge (see Figure 1). Exploratory trench T3 extended from the center of a trench to

approximately 10-feet south. Exploratory trenches T8 through T18 were located outside of the historic solid waste burial trenches. The purpose of these trenches was to determine if trash existed between the historic burial trenches.



**Figure 1: Exploratory trench T2 viewing northwest.**

The soil profile of exploratory trenches T1, T4 through T7 was relatively consistent. A summary of the trench profile is presented in Table 2, below.

**Table 2: Common trench profile**

Feet bgs	Trench Profile	Comments
0 to 1.5	Overburden/top soil	Some glass and metal.
1.5 to 5.5	Trash – gray ash, broken bottles, tin cans, scrap metal.	Trash mixed with fine grain sediment. See Figure 2.
5.5 to 7.5	Sandy silt, brownish orange. Dry.	
7.5 to total depth	Silty clay, orangish grey. Dry. Very hard.	

According to Mr. Bart Farris with the New Mexico Environmental Department Ground Water Quality Bureau, the burning of trash pits in the 1960s and 1970s was common practice. Therefore, the presence of ash in the trench profile is expected.

The excavated dirt/trash was placed in roll-off containers for disposal at a landfill per the mandate of NMED. The exploratory trenches were backfilled using native soil available at the Property and contoured to match existing topography.



**Figure 2: Common trench profile showing trash.**

Twelve (12) trash/soil samples were collected and analyzed for pesticides, herbicides, PCBs, hydrocarbons, TCLP RCRA 8 Metals, and chlorinated solvents at depths shown in Table 1.

## Analytical Results

We submitted soil/trash samples to Hall Environmental located in Albuquerque, New Mexico under strict chain-of-custody for laboratory testing of:

- EPA Method 1311: TCLP RCRA 8 Metals (Hg, As, Ba, Cd, Cr, Pb, Se, Ag)
- EPA Method 8151: Herbicides
- EPA Method 300.0: Chloride
- EPA Method 8081: Pesticides
- EPA Method 8082: PCB's
- EPA Method 8260B: Volatiles

Table 3, below, is a summary of chemicals of concern that showed concentrations above the sample-specific laboratory detection limit. Samples in which a concentration is below the detection limit is considered "not detected"; and the concentration of the constituent in the sample may be zero or may be slightly less than the instrument is able to measure. Analytical testing did not detect petroleum hydrocarbons or the RCRA 8 Metals using the TCLP methodology. The laboratory certificate of analysis is presented in Appendix A.

**Table 3: Summary of Analytical Results**

Sample ID	DDT	DDE	Dieldrin	Aroclor 1260	Chloride	Chlordane	Heptachlor	Heptachlor epoxide	Endrin	gamma-BHC	PCE	Pentachlorophenol
units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
T1@2.5ft	0.015	0.012										
T4@3.5ft	0.016											
T5@3.5ft	0.065		0.056	0.14	240							
T6@3.5ft	0.16	0.11				1.9	0.013	0.016				
T6@9.5ft	0.049	0.012	0.01									
T7@3.5ft	0.99	0.65	0.65						0.052	0.028	2.9	
t1@5'												
t2@4'												
t3@3.5'												
t4@9'												
t5@8.5												0.011
t7@7'												

Notes:

Blank cells represent non-detect (below laboratory detection levels)

### ***Discussion on Analytical Results***

Of the twelve samples, analytical testing detected chemicals of concern in seven samples; five (5) samples were within the trash and two (2) samples in the soil underlying the trash.

We compared the average concentration of the chemicals of concern to New Mexico Environmental Department Soil Screening Levels (NMSSLs) guidance document for the 1) most conservative human health risks (Residential Soil) and 2) protective of groundwater (DAF of 20). Please refer to

[http://www.nmenv.state.nm.us/HWB/documents/NMED\\_SSG\\_August\\_2009\\_Dec09TableA-1\\_clean.pdf](http://www.nmenv.state.nm.us/HWB/documents/NMED_SSG_August_2009_Dec09TableA-1_clean.pdf) to view the complete NMSSL guidance document.

As shown in Table 4, below, the average concentration for each constituent of concern did not exceed NMSSL Residential Soil. Two chemicals of concern, Dieldrin and PCE, exceed NMSSL for DAF of 20, which is one measure of the threat to groundwater quality a site may show under certain conditions. One specific sample, T7@3.5 ft exceeded NMSSL Residential Soil target concentration for Dieldrin by 0.346 mg/kg.

**Table 4: Averaged chemical of concerns concentrations compared to NMSSLs**

Sample ID	DDT	DDE	Dieldrin	Aroclor 1260	Chlordane	Heptachlor	Heptachlor epoxide	Endrin	gamma-BHC	PCE	Pentachlorophenol
units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMSSL Residential Soil	17.2	14.3	0.304	2.22	16.2	1.08	NL	18.3	5.17	6.99	29.8
NMSSL DAF of 20	13.1	9.05	0.0135	2.09	5	0.235	NL	3.52	0.0641	0.00898	0.587
T1@2.5ft	0.015	0.012	0.01	0.1	1.3	0.01	0.01	0.01	0.01	0.049	0.01
T4@3.5ft	0.016	0.01	0.01	0.1	1.2	0.01	0.01	0.01	0.01	0.05	0.01
T5@3.5ft	0.065	0.05	0.056	0.14	6.3	0.05	0.05	0.05	0.05	0.049	0.01
T6@3.5ft	0.16	0.11	0.01	0.1	1.9	0.013	0.016	0.01	0.01	0.049	0.01
T6@9.5ft	0.049	0.012	0.01	0.1	1.2	0.01	0.01	0.01	0.01	0.049	0.01
T7@3.5ft	0.99	0.65	0.65	0.2	2.5	0.02	0.02	0.052	0.028	2.9	0.01
t1@5'	0.002	0.002	0.002	0.02	0.25	0.002	0.002	0.002	0.002	0.05	0.01
t2@4'	0.002	0.002	0.002	0.02	0.25	0.002	0.002	0.002	0.002	0.05	0.01
t3@3.5'	0.002	0.002	0.002	0.02	0.25	0.002	0.002	0.002	0.002	0.048	0.01
t4@9'	0.01	0.01	0.01	0.1	1.3	0.01	0.01	0.01	0.01	0.049	0.01
t5@8.5	0.002	0.002	0.002	0.02	0.25	0.002	0.002	0.002	0.002	0.05	0.011
t7@7'	0.002	0.002	0.002	0.02	0.25	0.002	0.002	0.002	0.002	0.05	0.01
Average	0.110	0.072	0.064	0.078	1.413	0.011	0.011	0.014	0.012	0.287	0.010

**Notes:**

For averaging, the laboratory detection level was used for non-detect samples

Gray shading represents non-detect samples

Pink shading denotes average concentration exceed NMSSL DAF of 20

According to the NMSSL guidance document referenced above, for samples with multiple chemicals of concern, the following equation is applied to each location specific soil sample. A Site Risk < 10<sup>-5</sup> does not warrant further, site-specific evaluation. A Site Hazard Index < 1 indicates that the chemicals of concern concentrations at the site are unlikely to result in adverse health impacts.

$$\text{Site Risk} = \left( \frac{\text{conc}_x}{\text{SSL}_x} + \frac{\text{conc}_y}{\text{SSL}_y} + \frac{\text{conc}_z}{\text{SSL}_z} + \dots + \frac{\text{conc}_i}{\text{SSL}_i} \right) \times 10^{-5}$$

$$\text{Site Hazard Index (HI)} = \left( \frac{\text{conc}_x}{\text{SSL}_x} + \frac{\text{conc}_y}{\text{SSL}_y} + \frac{\text{conc}_z}{\text{SSL}_z} + \dots + \frac{\text{conc}_i}{\text{SSL}_i} \right) \times 1$$

**Figure 3: NMSSL calculations for multiple chemicals of concern***Note:**The Site Risk is used for carcinogens.**The Site Hazard Index (HI) is used for non-carcinogens.*

We applied the equations presented in Figure 3, above, to calculate for the risks posed by multiple chemicals of concern for human health risk exposure to 1) the trash/soil and 2) the soil below the trash. As shown in Tables 5 and 6, below, human health risk does not exceed the established criteria.

**Table 5: Site Hazard Index and Site Index in Trash for NMSSL Residential Soil**

[illegible]

Table 5 provides an analysis of risk posed by the site “as is”. According to this analysis, the exposed trash could be left in-place at a residential site.

**Table 6: Site Hazard Index and Site Index in Soil Underlying Trash for NMSSL Residential Soil**

[illegible]

Table 6 provides an analysis of risk posed by the site if the trash were removed and the underlying soil left in place. According to this analysis, the soil beneath the trash may be exposed to occupants at a residential site.

Table 7, below, presents the Site Hazard Index and Site Index for a construction worker. These indices represent a situation where the trash/soil and soil underneath the trash is mixed. This exposure pathway would occur if the solid waste was to be buried on-site. The calculated risk profile is below the established standards for a construction worker.

**Table 7: Hazard Index and Site Index for NMSSL Construction Worker**

[illegible]

## Discussion on buried waste disposal costs

Measurements of the buried waste disposal trenches from aerial photographs agree with measurements obtained during our exploratory trenching activities. Therefore, we used buried waste trench lengths and widths from the aerial photographs and an average trash thickness of 6-feet determined from our exploratory trenching to calculate the volume of waste to be removed. We then multiplied the calculated volumes by excavation contractor fees to develop a high and low cost to remove the buried waste. Table 8 presents three waste management options showing the high and low costs.

**Table 8: Waste disposal options and cost**

	High Cost Estimate	Low Cost Estimate
Option 1: Excavate Waste - Dispose at Landfill	\$ 913,533.91	\$ 798,233.52
Option 2: Excavate Waste - Screen-Dispose Trash at Landfill	\$ 877,340.45	\$ 667,117.50
Option 3: Excavate Waste - Bury in On-site Disposal Cell	\$ 385,326.26	\$ 202,803.13

Notes:

- A 10% provision for additional laboratory expenses was added to Option 1 and Option 2.
- A 30% provision for additional laboratory and engineering expenses was added to Option 3.

The three options are discussed below.

Option 1: Excavate Waste – Dispose at landfill

Option 2: Excavate Waste – Screen and dispose trash at landfill

Option 3: Excavate Waste – Bury on-site cell



*Option 1: Excavate Waste - Dispose at Landfill*

Excavating the overburden and buried waste off-site for proper disposal removes the trash and associated chemicals of concern to a permitted landfill. This option can be implemented with a very high degree of technical and regulatory certainty. Tables 9 and 10, below, show itemized high and low costs, respectively. Plate 2 shows the trench locations identified in the table.

**Table 9: High Cost Detail - option 1 dispose at landfill**

Overburden						
Trench Type	areaSqFt	Cu ft at 1.5 ft depth (overburden)	volCuYrds	Excavate to Dump Truck	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		1.5		\$ 7.00	\$ 7.00	\$ 37.50
Waste Trench A	13885.92	20828.88	771.44			
Waste Trench B	4591.35	6887.03	255.08			
Waste Trench C	6359.29	9538.94	353.29			
Waste Trench D	4096.67	6145.01	227.59			
Waste Trench E	3680.06	5520.09	204.45			
Waste Trench F	4350.46	6525.69	241.69			
Waste Trench G	10946.79	16420.19	608.16			
Waste Trench H	5187.97	7781.96	288.22			
Shallow Trench	14864.51	22296.77	825.81			
		Overburden Total	3775.72	\$ 26,430.06	\$ 26,430.06	\$ 141,589.63

Trash						
Trench Type	areaSqFt	Cu ft at 6 ft depth (trash)	volCuYrds	Excavate to Dump Truck	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		6.0		\$ 7.00	\$ 7.00	\$ 37.50
Waste Trench A	13885.92	83315.52	3085.76			
Waste Trench B	4591.35	27548.10	1020.30			
Waste Trench C	6359.29	38155.74	1413.18			
Waste Trench D	4096.67	24580.02	910.37			
Waste Trench E	3680.06	22080.36	817.79			
Waste Trench F	4350.46	26102.76	966.77			
Waste Trench G	10946.79	65680.74	2432.62			
Waste Trench H	5187.97	31127.82	1152.88			
Surface Trench	14864.51	14864.51 (1ft depth trash)	550.54			
		Trash Total	12350.21	\$ 86,451.44	\$ 86,451.44	\$ 463,132.74

Total Excavation	\$ 112,881.51
Total Trucking	\$ 112,881.51
Total Tipping	\$ 604,722.36
<b>Total Cost</b>	<b>\$ 830,485.38</b>

Note: Add a 10% provision for additional laboratory expenses



**Table 10: Low Cost Detail - option 1 dispose at landfill**

Overburden						
Trench Type	areaSqFt	Cu ft at 1.5 ft depth (overburden)	volCuYrds	Excavate to Dump Truck	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		1.5		\$ 3.50	\$ 4.00	\$ 37.50
Waste Trench A	13885.92	20828.88	771.44			
Waste Trench B	4591.35	6887.03	255.08			
Waste Trench C	6359.29	9538.94	353.29			
Waste Trench D	4096.67	6145.01	227.59			
Waste Trench E	3680.06	5520.09	204.45			
Waste Trench F	4350.46	6525.69	241.69			
Waste Trench G	10946.79	16420.19	608.16			
Waste Trench H	5187.97	7781.96	288.22			
Shallow Trench	14864.51	22296.77	825.81			
		Overburden Total	3775.72	\$ 13,215.03	\$ 15,102.89	\$ 141,589.63

Trash						
Trench Type	areaSqFt	Cu ft at 6 ft depth (trash)	volCuYrds	Excavate to Dump Truck	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		6.0		\$ 3.50	\$ 4.00	\$ 37.50
Waste Trench A	13885.92	83315.52	3085.76			
Waste Trench B	4591.35	27548.10	1020.30			
Waste Trench C	6359.29	38155.74	1413.18			
Waste Trench D	4096.67	24580.02	910.37			
Waste Trench E	3680.06	22080.36	817.79			
Waste Trench F	4350.46	26102.76	966.77			
Waste Trench G	10946.79	65680.74	2432.62			
Waste Trench H	5187.97	31127.82	1152.88			
Surface Trench	14864.51	14864.51 (1ft depth trash)	550.54			
		Trash Total	12350.21	\$ 43,225.72	\$ 49,400.83	\$ 463,132.74

Total Excavation	\$ 56,440.75
Total Trucking	\$ 64,503.72
Total Tipping	\$ 604,722.36
<b>Total Cost</b>	<b>\$ 725,666.83</b>

Note: Add a 10% provision for additional laboratory expenses

*Option 2: Excavate Waste: Screen & Dispose Trash at Landfill*

Option 2 provides the least degree of technical certainty as screening out all of the broken glass, scrap metal, and miscellaneous trash may not be feasible due to trash size and soil physical characteristics. Tables 11 and 12, below, show itemized high and low costs, respectively.

**Table 11: High Cost Detail - option 2 screen and dispose trash at landfill**

Overburden							
Trench Type	areaSqFt	Cu ft at 1.5 ft depth (overburden)	volCuYrds	Excavate to Dump Truck	Screen to Reduce Volume by 50%	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		1.5		\$ 7.00	\$ 15.00	\$ 7.00	\$ 37.50
Waste Trench A	13885.92	20828.88	771.44				
Waste Trench B	4591.35	6887.03	255.08				
Waste Trench C	6359.29	9538.94	353.29				
Waste Trench D	4096.67	6145.01	227.59				
Waste Trench E	3680.06	5520.09	204.45				
Waste Trench F	4350.46	6525.69	241.69				
Waste Trench G	10946.79	16420.19	608.16				
Waste Trench H	5187.97	7781.96	288.22				
Shallow Trench	14864.51	22296.77	825.81				
		Overburden Total	3775.72	\$ 26,430.06	\$ 56,635.85	\$ 26,430.06	\$ 141,589.63

Trash							
Trench Type	areaSqFt	Cu ft at 6 ft depth (trash)	volCuYrds	Excavate to Dump Truck	Screen to Reduce Volume by 50%	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		6.0		\$ 7.00	\$ 15.00	\$ 7.00	\$ 37.50
Waste Trench A	13885.92	83315.52	3085.76				
Waste Trench B	4591.35	27548.10	1020.30				
Waste Trench C	6359.29	38155.74	1413.18				
Waste Trench D	4096.67	24580.02	910.37				
Waste Trench E	3680.06	22080.36	817.79				
Waste Trench F	4350.46	26102.76	966.77				
Waste Trench G	10946.79	65680.74	2432.62				
Waste Trench H	5187.97	31127.82	1152.88				
Surface Trench	14864.51	14864.51 (1ft depth trash)	550.54				
		Trash Total	12350.21	\$ 86,451.44	\$ 185,253.09	\$ 43,225.72	\$ 231,566.37

Total Excavation	\$ 112,881.51
Total Trucking	\$ 69,655.79
Total Tipping	\$ 373,155.99
Screening	\$ 241,888.94
<b>Total Cost</b>	<b>\$ 797,582.23</b>

Note: Add a 10% provision for additional laboratory expenses.

**Table 12: Low Cost Detail - option 2 screen and dispose trash at landfill**

Overburden							
Trench Type	areaSqFt	Cu ft at 1.5 ft depth (overburden)	volCuYrds	Excavate to Dump Truck	Screen to Reduce Volume by 50%	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		1.5		\$ 2.00	\$ 10.00	\$ 4.00	\$ 37.50
Waste Trench A	13885.92	20828.88	771.44				
Waste Trench B	4591.35	6887.03	255.08				
Waste Trench C	6359.29	9538.94	353.29				
Waste Trench D	4096.67	6145.01	227.59				
Waste Trench E	3680.06	5520.09	204.45				
Waste Trench F	4350.46	6525.69	241.69				
Waste Trench G	10946.79	16420.19	608.16				
Waste Trench H	5187.97	7781.96	288.22				
Shallow Trench	14864.51	22296.77	825.81				
		Overburden Total	3775.72	\$ 7,551.45	\$ 37,757.23	\$ 15,102.89	\$ 141,589.63

Trash							
Trench Type	areaSqFt	Cu ft at 6 ft depth (trash)	volCuYrds	Excavate to Dump Truck	Screen to Reduce Volume by 50%	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		6.0		\$ 2.00	\$ 10.00	\$ 4.00	\$ 37.50
Waste Trench A	13885.92	83315.52	3085.76				
Waste Trench B	4591.35	27548.10	1020.30				
Waste Trench C	6359.29	38155.74	1413.18				
Waste Trench D	4096.67	24580.02	910.37				
Waste Trench E	3680.06	22080.36	817.79				
Waste Trench F	4350.46	26102.76	966.77				
Waste Trench G	10946.79	65680.74	2432.62				
Waste Trench H	5187.97	31127.82	1152.88				
Surface Trench	14864.51	14864.51 (1ft depth trash)	550.54				
		Trash Total	12350.21	\$ 24,700.41	\$ 123,502.06	\$ 24,700.41	\$ 231,566.37

Total Excavation	\$ 32,251.86
Total Trucking	\$ 39,803.31
Total Tipping	\$ 373,155.99
Screening	\$ 161,259.30
<b>Total Cost</b>	<b>\$ 606,470.45</b>

Note: Add a 10% provision for additional laboratory expenses.

*Option 3: Excavate Waste - Bury On-site*

Option 3 provides a high level of technical certainty but this option may not be feasible if NMED does not allow on-site disposal in an engineered disposal cell. Discussions with NMED is necessary to reduce the uncertainty regarding the regulatory feasibility of this option. We did not undertake these discussions in the course of this Phase II ESA inquiry. Tables 13 and 14, below, show itemized high and low costs, respectively.

**Table 13: High Cost Detail - option 3 on-site disposal**

Overburden							
Trench Type	areaSqFt	Cu ft at 1.5 ft depth (overburden)	volCuYrds	Excavate to Dump Truck	Excavate Burial Cell	Truck to Burial Cell	Liner Installed (\$/ft2)
		1.5		\$ 7.00	\$ 4.00	\$ 4.00	\$ 0.32
Waste Trench A	13885.92	20828.88	771.44				
Waste Trench B	4591.35	6887.03	255.08				
Waste Trench C	6359.29	9538.94	353.29				
Waste Trench D	4096.67	6145.01	227.59				
Waste Trench E	3680.06	5520.09	204.45				
Waste Trench F	4350.46	6525.69	241.69				
Waste Trench G	10946.79	16420.19	608.16				
Waste Trench H	5187.97	7781.96	288.22				
Shallow Trench	14864.51	22296.77	825.81				
		Overburden Total	3775.72	\$ 26,430.06	\$ 25,624.00	\$ 15,102.89	\$ 3,120.00

Trash							
Trench Type	areaSqFt	Cu ft at 6 ft depth (trash)	volCuYrds	Excavate to Dump Truck	Excavate Burial Cell	Truck to Burial Cell	Liner Installed (\$/ft2)
		6.0		\$ 7.00	\$ 4.00	\$ 4.00	\$ 0.32
Waste Trench A	13885.92	83315.52	3085.76				
Waste Trench B	4591.35	27548.10	1020.30				
Waste Trench C	6359.29	38155.74	1413.18				
Waste Trench D	4096.67	24580.02	910.37				
Waste Trench E	3680.06	22080.36	817.79				
Waste Trench F	4350.46	26102.76	966.77				
Waste Trench G	10946.79	65680.74	2432.62				
Waste Trench H	5187.97	31127.82	1152.88				
Surface Trench	14864.51	14864.51 (1ft depth trash)	550.54				
		Trash Total	12350.21	\$ 86,451.44	\$ 102,496.00	\$ 24,700.41	\$ 12,480.00

Total Excavate to Dump Truck	\$ 112,881.51
Total Trucking to Burial Cell	\$ 39,803.31
Total Burial Cell	\$ 128,120.00
Total Liner	\$ 15,600.00
<b>Total Cost</b>	<b>\$ 296,404.81</b>

Note: Add a 30% provision for additional laboratory and engineering expenses as this option will require more testing, more evaluation and more permitting than Option 1.

**Table 14: Low Cost Detail - option 3 on-site disposal**

Overburden							
Trench Type	areaSqFt	Cu ft at 1.5 ft depth (overburden)	volCuYrds	Excavate to Dump Truck	Excavate Burial Cell	Truck to Burial Cell	Liner Installed (\$/ft2)
		1.5		\$ 3.50	\$ 2.00	\$ 2.00	\$ 0.32
Waste Trench A	13885.92	20828.88	771.44				
Waste Trench B	4591.35	6887.03	255.08				
Waste Trench C	6359.29	9538.94	353.29				
Waste Trench D	4096.67	6145.01	227.59				
Waste Trench E	3680.06	5520.09	204.45				
Waste Trench F	4350.46	6525.69	241.69				
Waste Trench G	10946.79	16420.19	608.16				
Waste Trench H	5187.97	7781.96	288.22				
Shallow Trench	14864.51	22296.77	825.81				
		<b>Overburden Total</b>	<b>3775.72</b>	<b>\$ 13,215.03</b>	<b>\$ 12,812.00</b>	<b>\$ 7,551.45</b>	<b>\$ 3,120.00</b>

Trash							
Trench Type	areaSqFt	Cu ft at 6 ft depth (trash)	volCuYrds	Excavate to Dump Truck	Excavate Burial Cell	Truck to Burial Cell	Liner Installed (\$/ft2)
		6.0		\$ 3.50	\$ 2.00	\$ 2.00	\$ 0.32
Waste Trench A	13885.92	83315.52	3085.76				
Waste Trench B	4591.35	27548.10	1020.30				
Waste Trench C	6359.29	38155.74	1413.18				
Waste Trench D	4096.67	24580.02	910.37				
Waste Trench E	3680.06	22080.36	817.79				
Waste Trench F	4350.46	26102.76	966.77				
Waste Trench G	10946.79	65680.74	2432.62				
Waste Trench H	5187.97	31127.82	1152.88				
Surface Trench	14864.51	14864.51 (1ft depth trash)	550.54				
		<b>Trash Total</b>	<b>12350.21</b>	<b>\$ 43,225.72</b>	<b>\$ 51,248.00</b>	<b>\$ 12,350.21</b>	<b>\$ 12,480.00</b>

Total Excavate to Dump Truck	\$ 56,440.75
Total Trucking to Burial Cell	\$ 19,901.65
Total Burial Cell	\$ 64,060.00
Total Liner	\$ 15,600.00
<b>Total Cost</b>	<b>\$ 156,002.41</b>

Note: Add a 30% provision for additional laboratory and engineering expenses as this option will require more testing, more evaluation and more permitting than Option 1.

## Conclusion

Pesticides, herbicides, PCBs, and chlorinated solvents exist in the trash and/or in the underlying soil. Comparing the chemicals of concern to NMSSLs show that the calculated risk posed by these constituents do not exceed "acceptable risks", as defined by New Mexico guidance. The lack of elevated concentrations of constituents in soil underlying the trash show that impairment to groundwater is highly unlikely.

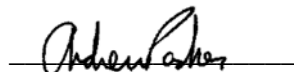
We believe *Option 1: Excavate Waste – Dispose at landfill* is a reasonable option if the Property is going to be used for a school. Option 1 provides the highest level of regulatory certainty for reducing human exposure risks to chemicals of concern, broken glass and scrap metal; and reduces the risk of impairment to groundwater at the Property. A high degree of regulatory certainty generally translates into a shorter permitting schedule. The cost of this option ranges from \$830,485 to \$725,667. Add a 10% provision for additional laboratory testing.

An alternative is *Option 3: Excavate Waste – Bury in an on-site disposal cell*. Option 3 has a lower level of regulatory certainty than Option 1. Option 3 will require more detailed NMED review than Option 1 and introduces additional costs to construct an engineered disposal cell. The placement of the engineered disposal cell must be apart from any building footprints. Parking lots may or may not be able to be built over the buried waste due to differential compaction and settling concerns. In addition, no landscaping requiring supplemental irrigation is advised over the buried waste. The cost of this option ranges from \$296,405 to \$156,002. Add a 30% provision for engineering, permitting and additional laboratory testing.

*Option 2: Excavate Waste – Screen and dispose trash at landfill* is not recommended as this option has the least level of technical and regulatory certainty. Screening the soil may not be technically feasible due to physical characteristics of the trash and soil. Screening the trash may introduce trash that passes through the screen to accumulate at the surface. The cost of this option ranges from \$797,582 to \$606,470. Add a 10% provision for additional laboratory testing.

Please contact RT Hicks Consultants in our Albuquerque at 505-266-5004 with any questions.

Sincerely,  
R.T. Hicks Consultants

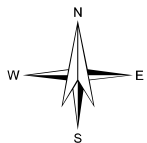
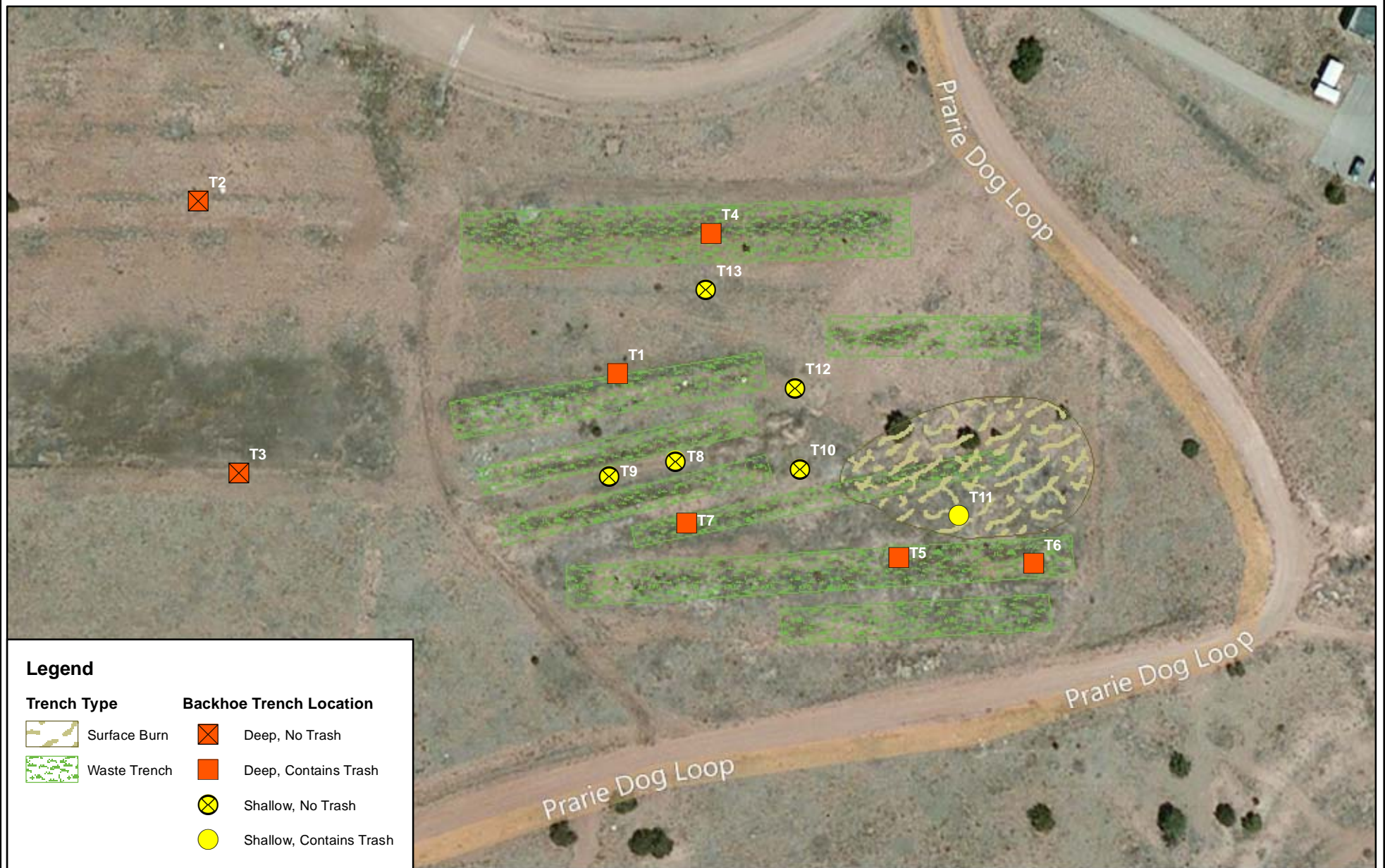
  
Andrew Parker  
Project Manager

# Plates

**R.T. Hicks Consultants, Ltd.**

901 Rio Grande Blvd. NW, Suite F-142  
Albuquerque, NM 87104





0 50 100  
Feet

**R.T. Hicks Consultants, Ltd**  
901 Rio Grande Blvd NW Suite F-142  
Albuquerque, NM 87104  
Ph: 505.266.5004

Location of Exploratory Trenches  
Santa Fe Public Schools - Phase II ESA  
County Rd 62 and Prairie Dog Loop



Plate 1  
February  
2012

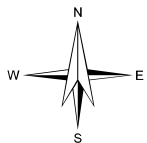




### Legend

#### Trench Type

-  Surface Burn
-  Waste Trench



0 30 60  
Feet

**R.T. Hicks Consultants, Ltd**  
901 Rio Grande Blvd NW Suite F-142  
Albuquerque, NM 87104  
Ph: 505.266.5004

Waste Trenches For Volume Calculations

Santa Fe Public Schools - Phase II ESA  
County Rd 62 and Prairie Dog Loop

Plate 2

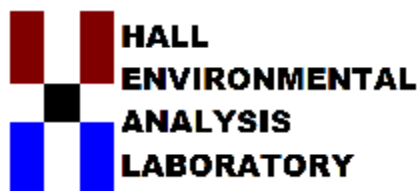
February  
2012

# **Appendix A**

## **Laboratory Certificate of Analysis**

**R.T. Hicks Consultants, Ltd.**

901 Rio Grande Blvd. NW, Suite F-142  
Albuquerque, NM 87104



*Hall Environmental Analysis Laboratory*  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

February 10, 2012

Andrew Parker

R.T. Hicks Consultants, LTD

901 Rio Grande Blvd. NW

Suite F-142

Albuquerque, NM 87104

TEL: (505) 266-5004

FAX (505) 266-0745

RE: SFPS Agua Fria Alternate

OrderNo.: 1201868

Dear Andrew Parker:

Hall Environmental Analysis Laboratory received 12 sample(s) on 1/31/2012 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results designated with a "J" qualifier are estimated and represent a detection above the Method Detection Limit (MDL) and less than the Reporting Limit (PQL). These analytes are not reviewed nor narrated as to whether they are laboratory artifacts.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', with a stylized flourish at the end.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: T1@2.5ft

Project: SFPS Agua Fria Alternate

Collection Date: 1/30/2012 8:55:00 AM

Lab ID: 1201868-001

Matrix: SOIL

Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8081: PESTICIDES</b>						Analyst: JDC
4,4'-DDD	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
4,4'-DDE	0.012	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
4,4'-DDT	0.015	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Aldrin	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
alpha-BHC	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
beta-BHC	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Chlordane	ND	1.3		mg/Kg	1	2/1/2012 2:51:40 PM
delta-BHC	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Dieldrin	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Endosulfan I	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Endosulfan II	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Endosulfan sulfate	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Endrin	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Endrin aldehyde	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
gamma-BHC	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Heptachlor	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Heptachlor epoxide	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Methoxychlor	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Toxaphene	ND	1.3		mg/Kg	1	2/1/2012 2:51:40 PM
Surr: Decachlorobiphenyl	122	37.7-135		%REC	1	2/1/2012 2:51:40 PM
Surr: Tetrachloro-m-xylene	126	35.6-156		%REC	1	2/1/2012 2:51:40 PM
<b>EPA METHOD 8082: PCB'S</b>						Analyst: SCC
Aroclor 1016	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Aroclor 1221	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Aroclor 1232	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Aroclor 1242	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Aroclor 1248	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Aroclor 1254	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Aroclor 1260	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Surr: Decachlorobiphenyl	46.0	24.4-106		%REC	1	2/1/2012 2:35:16 PM
<b>MERCURY, TCLP</b>						Analyst: JLF
Mercury	ND	0.020		mg/L	1	2/3/2012 12:52:26 PM
<b>EPA METHOD 6010B: TCLP METALS</b>						Analyst: RAG
Arsenic	ND	5.0		mg/L	1	2/3/2012 3:01:10 PM
Barium	ND	100		mg/L	1	2/3/2012 3:01:10 PM
Cadmium	ND	1.0		mg/L	1	2/3/2012 3:01:10 PM
Chromium	ND	5.0		mg/L	1	2/3/2012 3:01:10 PM
Lead	ND	5.0		mg/L	1	2/3/2012 3:01:10 PM
Selenium	ND	1.0		mg/L	1	2/3/2012 3:01:10 PM
Silver	ND	5.0		mg/L	1	2/3/2012 3:01:10 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: T1@2.5ft

Project: SFPS Agua Fria Alternate

Collection Date: 1/30/2012 8:55:00 AM

Lab ID: 1201868-001

Matrix: SOIL

Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Toluene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2,4-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,3,5-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2-Dichloroethane (EDC)	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2-Dibromoethane (EDB)	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Naphthalene	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 1:42:18 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 1:42:18 PM
Acetone	ND	0.73		mg/Kg	1	2/1/2012 1:42:18 PM
Bromobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Bromodichloromethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Bromoform	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Bromomethane	ND	0.39		mg/Kg	1	2/1/2012 1:42:18 PM
2-Butanone	ND	0.49		mg/Kg	1	2/1/2012 1:42:18 PM
Carbon disulfide	ND	0.49		mg/Kg	1	2/1/2012 1:42:18 PM
Carbon tetrachloride	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
Chlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Chloroethane	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
Chloroform	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 1:42:18 PM
2-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
4-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
cis-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
cis-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2-Dibromo-3-chloropropane	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
Dibromochloromethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Dibromomethane	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
1,2-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,3-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,4-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Dichlorodifluoromethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,1-Dichloroethane	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
1,1-Dichloroethene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,3-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
2,2-Dichloropropane	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
1,1-Dichloropropene	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
Hexachlorobutadiene	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
2-Hexanone	ND	0.49		mg/Kg	1	2/1/2012 1:42:18 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T1@2.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 8:55:00 AM

**Lab ID:** 1201868-001

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Isopropylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
4-Isopropyltoluene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
4-Methyl-2-pentanone	ND	0.49		mg/Kg	1	2/1/2012 1:42:18 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 1:42:18 PM
n-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
n-Propylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
sec-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Styrene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
tert-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,1,1,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,1,2,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Tetrachloroethene (PCE)	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
trans-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
trans-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2,3-Trichlorobenzene	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
1,2,4-Trichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,1,1-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,1,2-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Trichloroethene (TCE)	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Trichlorofluoromethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2,3-Trichloropropane	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
Vinyl chloride	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
Surr: 1,2-Dichloroethane-d4	92.0	70-130		%REC	1	2/1/2012 1:42:18 PM
Surr: 4-Bromofluorobenzene	93.0	70-130		%REC	1	2/1/2012 1:42:18 PM
Surr: Dibromofluoromethane	104	71.7-132		%REC	1	2/1/2012 1:42:18 PM
Surr: Toluene-d8	94.0	70-130		%REC	1	2/1/2012 1:42:18 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T1@5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 9:08:00 AM

**Lab ID:** 1201868-002

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8081: PESTICIDES</b>						Analyst: JDC
4,4'-DDD	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
4,4'-DDE	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
4,4'-DDT	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Aldrin	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
alpha-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
beta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Chlordane	ND	0.25		mg/Kg	1	2/1/2012 1:25:28 PM
delta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Dieldrin	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Endosulfan I	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Endosulfan II	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Endosulfan sulfate	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Endrin	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Endrin aldehyde	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
gamma-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Heptachlor	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Heptachlor epoxide	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Methoxychlor	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Toxaphene	ND	0.25		mg/Kg	1	2/1/2012 1:25:28 PM
Surr: Decachlorobiphenyl	76.0	37.7-135		%REC	1	2/1/2012 1:25:28 PM
Surr: Tetrachloro-m-xylene	93.2	35.6-156		%REC	1	2/1/2012 1:25:28 PM
<b>EPA METHOD 8082: PCB'S</b>						Analyst: SCC
Aroclor 1016	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Aroclor 1221	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Aroclor 1232	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Aroclor 1242	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Aroclor 1248	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Aroclor 1254	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Aroclor 1260	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Surr: Decachlorobiphenyl	68.8	24.4-106		%REC	1	2/1/2012 3:20:09 PM
<b>MERCURY, TCLP</b>						Analyst: JLF
Mercury	ND	0.020		mg/L	1	2/3/2012 12:54:12 PM
<b>EPA METHOD 6010B: TCLP METALS</b>						Analyst: RAG
Arsenic	ND	5.0		mg/L	1	2/3/2012 3:21:15 PM
Barium	ND	100		mg/L	1	2/3/2012 3:21:15 PM
Cadmium	ND	1.0		mg/L	1	2/3/2012 3:21:15 PM
Chromium	ND	5.0		mg/L	1	2/3/2012 3:21:15 PM
Lead	ND	5.0		mg/L	1	2/3/2012 3:21:15 PM
Selenium	ND	1.0		mg/L	1	2/7/2012 7:49:09 AM
Silver	ND	5.0		mg/L	1	2/3/2012 3:21:15 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: T1@5ft

Project: SFPS Agua Fria Alternate

Collection Date: 1/30/2012 9:08:00 AM

Lab ID: 1201868-002

Matrix: SOIL

Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Toluene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Naphthalene	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 12:45:51 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 12:45:51 PM
Acetone	ND	0.75		mg/Kg	1	2/1/2012 12:45:51 PM
Bromobenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Bromoform	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Bromomethane	ND	0.40		mg/Kg	1	2/1/2012 12:45:51 PM
2-Butanone	ND	0.50		mg/Kg	1	2/1/2012 12:45:51 PM
Carbon disulfide	ND	0.50		mg/Kg	1	2/1/2012 12:45:51 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
Chlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Chloroethane	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
Chloroform	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 12:45:51 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Dibromomethane	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
2-Hexanone	ND	0.50		mg/Kg	1	2/1/2012 12:45:51 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit



# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: T1@5ft

Project: SFPS Agua Fria Alternate

Collection Date: 1/30/2012 9:08:00 AM

Lab ID: 1201868-002

Matrix: SOIL

Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Isopropylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	2/1/2012 12:45:51 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 12:45:51 PM
n-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Styrene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
Vinyl chloride	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Xylenes, Total	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
Surr: 1,2-Dichloroethane-d4	93.4	70-130		%REC	1	2/1/2012 12:45:51 PM
Surr: 4-Bromofluorobenzene	96.9	70-130		%REC	1	2/1/2012 12:45:51 PM
Surr: Dibromofluoromethane	104	71.7-132		%REC	1	2/1/2012 12:45:51 PM
Surr: Toluene-d8	96.6	70-130		%REC	1	2/1/2012 12:45:51 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T2@4ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 10:00:00 AM

**Lab ID:** 1201868-003

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8081: PESTICIDES</b>						Analyst: JDC
4,4'-DDD	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
4,4'-DDE	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
4,4'-DDT	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Aldrin	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
alpha-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
beta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Chlordane	ND	0.25		mg/Kg	1	2/1/2012 1:42:41 PM
delta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Dieldrin	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Endosulfan I	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Endosulfan II	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Endosulfan sulfate	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Endrin	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Endrin aldehyde	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
gamma-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Heptachlor	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Heptachlor epoxide	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Methoxychlor	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Toxaphene	ND	0.25		mg/Kg	1	2/1/2012 1:42:41 PM
Surr: Decachlorobiphenyl	66.8	37.7-135		%REC	1	2/1/2012 1:42:41 PM
Surr: Tetrachloro-m-xylene	68.8	35.6-156		%REC	1	2/1/2012 1:42:41 PM
<b>EPA METHOD 8082: PCB'S</b>						Analyst: SCC
Aroclor 1016	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Aroclor 1221	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Aroclor 1232	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Aroclor 1242	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Aroclor 1248	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Aroclor 1254	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Aroclor 1260	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Surr: Decachlorobiphenyl	58.0	24.4-106		%REC	1	2/1/2012 5:35:04 PM
<b>MERCURY, TCLP</b>						Analyst: JLF
Mercury	ND	0.020		mg/L	1	2/3/2012 12:55:57 PM
<b>EPA METHOD 6010B: TCLP METALS</b>						Analyst: RAG
Arsenic	ND	5.0		mg/L	1	2/3/2012 3:23:25 PM
Barium	ND	100		mg/L	1	2/3/2012 3:23:25 PM
Cadmium	ND	1.0		mg/L	1	2/3/2012 3:23:25 PM
Chromium	ND	5.0		mg/L	1	2/3/2012 3:23:25 PM
Lead	ND	5.0		mg/L	1	2/3/2012 3:23:25 PM
Selenium	ND	1.0		mg/L	1	2/7/2012 7:51:20 AM
Silver	ND	5.0		mg/L	1	2/3/2012 3:23:25 PM

**Qualifiers:** \* / X Value exceeds Maximum Contaminant Level.  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: T2@4ft

Project: SFPS Agua Fria Alternate

Collection Date: 1/30/2012 10:00:00 AM

Lab ID: 1201868-003

Matrix: SOIL

Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Toluene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Naphthalene	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 3:06:24 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 3:06:24 PM
Acetone	ND	0.74		mg/Kg	1	2/1/2012 3:06:24 PM
Bromobenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Bromoform	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Bromomethane	ND	0.40		mg/Kg	1	2/1/2012 3:06:24 PM
2-Butanone	ND	0.50		mg/Kg	1	2/1/2012 3:06:24 PM
Carbon disulfide	ND	0.50		mg/Kg	1	2/1/2012 3:06:24 PM
Carbon tetrachloride	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
Chlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Chloroethane	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
Chloroform	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 3:06:24 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2-Dibromo-3-chloropropane	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Dibromomethane	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,1-Dichloroethane	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
2,2-Dichloropropane	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
1,1-Dichloropropene	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
Hexachlorobutadiene	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
2-Hexanone	ND	0.50		mg/Kg	1	2/1/2012 3:06:24 PM

**Qualifiers:** \* / X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T2@4ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 10:00:00 AM

**Lab ID:** 1201868-003

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Isopropylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	2/1/2012 3:06:24 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 3:06:24 PM
n-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Styrene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2,3-Trichlorobenzene	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2,3-Trichloropropane	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
Vinyl chloride	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
Surr: 1,2-Dichloroethane-d4	96.4	70-130		%REC	1	2/1/2012 3:06:24 PM
Surr: 4-Bromofluorobenzene	93.8	70-130		%REC	1	2/1/2012 3:06:24 PM
Surr: Dibromofluoromethane	105	71.7-132		%REC	1	2/1/2012 3:06:24 PM
Surr: Toluene-d8	95.7	70-130		%REC	1	2/1/2012 3:06:24 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T3@3.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 10:30:00 AM

**Lab ID:** 1201868-004

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8081: PESTICIDES</b>						Analyst: JDC
4,4'-DDD	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
4,4'-DDE	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
4,4'-DDT	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Aldrin	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
alpha-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
beta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Chlordane	ND	0.25		mg/Kg	1	2/1/2012 1:59:55 PM
delta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Dieldrin	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Endosulfan I	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Endosulfan II	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Endosulfan sulfate	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Endrin	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Endrin aldehyde	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
gamma-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Heptachlor	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Heptachlor epoxide	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Methoxychlor	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Toxaphene	ND	0.25		mg/Kg	1	2/1/2012 1:59:55 PM
Surr: Decachlorobiphenyl	55.9	37.7-135		%REC	1	2/1/2012 1:59:55 PM
Surr: Tetrachloro-m-xylene	66.8	35.6-156		%REC	1	2/1/2012 1:59:55 PM
<b>EPA METHOD 8082: PCB'S</b>						Analyst: SCC
Aroclor 1016	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Aroclor 1221	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Aroclor 1232	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Aroclor 1242	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Aroclor 1248	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Aroclor 1254	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Aroclor 1260	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Surr: Decachlorobiphenyl	43.6	24.4-106		%REC	1	2/1/2012 6:20:02 PM
<b>MERCURY, TCLP</b>						Analyst: JLF
Mercury	ND	0.020		mg/L	1	2/3/2012 1:02:59 PM
<b>EPA METHOD 6010B: TCLP METALS</b>						Analyst: RAG
Arsenic	ND	5.0		mg/L	1	2/3/2012 3:38:59 PM
Barium	ND	100		mg/L	1	2/3/2012 3:38:59 PM
Cadmium	ND	1.0		mg/L	1	2/3/2012 3:38:59 PM
Chromium	ND	5.0		mg/L	1	2/3/2012 3:38:59 PM
Lead	ND	5.0		mg/L	1	2/3/2012 3:38:59 PM
Selenium	ND	1.0		mg/L	1	2/7/2012 7:53:31 AM
Silver	ND	5.0		mg/L	1	2/3/2012 3:38:59 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T3@3.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 10:30:00 AM

**Lab ID:** 1201868-004

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Toluene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Ethylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Methyl tert-butyl ether (MTBE)	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2,4-Trimethylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,3,5-Trimethylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2-Dichloroethane (EDC)	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2-Dibromoethane (EDB)	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Naphthalene	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
1-Methylnaphthalene	ND	0.19		mg/Kg	1	2/1/2012 3:34:23 PM
2-Methylnaphthalene	ND	0.19		mg/Kg	1	2/1/2012 3:34:23 PM
Acetone	ND	0.73		mg/Kg	1	2/1/2012 3:34:23 PM
Bromobenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Bromodichloromethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Bromoform	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Bromomethane	ND	0.39		mg/Kg	1	2/1/2012 3:34:23 PM
2-Butanone	ND	0.48		mg/Kg	1	2/1/2012 3:34:23 PM
Carbon disulfide	ND	0.48		mg/Kg	1	2/1/2012 3:34:23 PM
Carbon tetrachloride	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
Chlorobenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Chloroethane	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
Chloroform	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 3:34:23 PM
2-Chlorotoluene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
4-Chlorotoluene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
cis-1,2-DCE	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
cis-1,3-Dichloropropene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2-Dibromo-3-chloropropane	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
Dibromochloromethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Dibromomethane	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
1,2-Dichlorobenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,3-Dichlorobenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,4-Dichlorobenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Dichlorodifluoromethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,1-Dichloroethane	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
1,1-Dichloroethene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2-Dichloropropane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,3-Dichloropropane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
2,2-Dichloropropane	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
1,1-Dichloropropene	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
Hexachlorobutadiene	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
2-Hexanone	ND	0.48		mg/Kg	1	2/1/2012 3:34:23 PM

**Qualifiers:**

- \* / X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T3@3.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 10:30:00 AM

**Lab ID:** 1201868-004

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Isopropylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
4-Isopropyltoluene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
4-Methyl-2-pentanone	ND	0.48		mg/Kg	1	2/1/2012 3:34:23 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 3:34:23 PM
n-Butylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
n-Propylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
sec-Butylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Styrene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
tert-Butylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,1,1,2-Tetrachloroethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,1,2,2-Tetrachloroethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Tetrachloroethene (PCE)	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
trans-1,2-DCE	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
trans-1,3-Dichloropropene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2,3-Trichlorobenzene	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
1,2,4-Trichlorobenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,1,1-Trichloroethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,1,2-Trichloroethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Trichloroethene (TCE)	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Trichlorofluoromethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2,3-Trichloropropane	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
Vinyl chloride	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Xylenes, Total	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
Surr: 1,2-Dichloroethane-d4	98.2	70-130		%REC	1	2/1/2012 3:34:23 PM
Surr: 4-Bromofluorobenzene	97.7	70-130		%REC	1	2/1/2012 3:34:23 PM
Surr: Dibromofluoromethane	106	71.7-132		%REC	1	2/1/2012 3:34:23 PM
Surr: Toluene-d8	97.0	70-130		%REC	1	2/1/2012 3:34:23 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T4@9ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 11:30:00 AM

**Lab ID:** 1201868-005

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8081: PESTICIDES</b>						Analyst: JDC
4,4'-DDD	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
4,4'-DDE	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
4,4'-DDT	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Aldrin	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
alpha-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
beta-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Chlordane	ND	1.3		mg/Kg	1	2/1/2012 12:12:49 PM
delta-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Dieldrin	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Endosulfan I	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Endosulfan II	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Endosulfan sulfate	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Endrin	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Endrin aldehyde	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
gamma-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Heptachlor	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Heptachlor epoxide	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Methoxychlor	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Toxaphene	ND	1.3		mg/Kg	1	2/1/2012 12:12:49 PM
Surr: Decachlorobiphenyl	95.6	37.7-135		%REC	1	2/1/2012 12:12:49 PM
Surr: Tetrachloro-m-xylene	98.6	35.6-156		%REC	1	2/1/2012 12:12:49 PM
<b>EPA METHOD 8082: PCB'S</b>						Analyst: SCC
Aroclor 1016	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Aroclor 1221	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Aroclor 1232	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Aroclor 1242	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Aroclor 1248	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Aroclor 1254	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Aroclor 1260	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Surr: Decachlorobiphenyl	40.0	24.4-106		%REC	1	2/1/2012 7:05:09 PM
<b>MERCURY, TCLP</b>						Analyst: JLF
Mercury	ND	0.020		mg/L	1	2/3/2012 12:57:42 PM
<b>EPA METHOD 6010B: TCLP METALS</b>						Analyst: ELS
Arsenic	ND	5.0		mg/L	1	2/7/2012 7:55:42 AM
Barium	ND	100		mg/L	1	2/7/2012 7:55:42 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 7:55:42 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 7:55:42 AM
Lead	ND	5.0		mg/L	1	2/7/2012 7:55:42 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 7:55:42 AM
Silver	ND	5.0		mg/L	1	2/7/2012 7:55:42 AM

**Qualifiers:** \* / X Value exceeds Maximum Contaminant Level.  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 RL Reporting Detection Limit



# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T4@9ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 11:30:00 AM

**Lab ID:** 1201868-005

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Toluene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2,4-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,3,5-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2-Dichloroethane (EDC)	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2-Dibromoethane (EDB)	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Naphthalene	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 4:02:23 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 4:02:23 PM
Acetone	ND	0.74		mg/Kg	1	2/1/2012 4:02:23 PM
Bromobenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Bromodichloromethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Bromoform	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Bromomethane	ND	0.39		mg/Kg	1	2/1/2012 4:02:23 PM
2-Butanone	ND	0.49		mg/Kg	1	2/1/2012 4:02:23 PM
Carbon disulfide	ND	0.49		mg/Kg	1	2/1/2012 4:02:23 PM
Carbon tetrachloride	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
Chlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Chloroethane	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
Chloroform	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 4:02:23 PM
2-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
4-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
cis-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
cis-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2-Dibromo-3-chloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
Dibromochloromethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Dibromomethane	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
1,2-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,3-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,4-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Dichlorodifluoromethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,1-Dichloroethane	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
1,1-Dichloroethene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,3-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
2,2-Dichloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
1,1-Dichloropropene	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
Hexachlorobutadiene	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
2-Hexanone	ND	0.49		mg/Kg	1	2/1/2012 4:02:23 PM

**Qualifiers:** \* / X Value exceeds Maximum Contaminant Level.  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T4@9ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 11:30:00 AM

**Lab ID:** 1201868-005

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Isopropylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
4-Isopropyltoluene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
4-Methyl-2-pentanone	ND	0.49		mg/Kg	1	2/1/2012 4:02:23 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 4:02:23 PM
n-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
n-Propylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
sec-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Styrene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
tert-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,1,1,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,1,2,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Tetrachloroethene (PCE)	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
trans-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
trans-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2,3-Trichlorobenzene	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
1,2,4-Trichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,1,1-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,1,2-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Trichloroethene (TCE)	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Trichlorofluoromethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2,3-Trichloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
Vinyl chloride	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
Surr: 1,2-Dichloroethane-d4	93.5	70-130		%REC	1	2/1/2012 4:02:23 PM
Surr: 4-Bromofluorobenzene	93.2	70-130		%REC	1	2/1/2012 4:02:23 PM
Surr: Dibromofluoromethane	106	71.7-132		%REC	1	2/1/2012 4:02:23 PM
Surr: Toluene-d8	97.7	70-130		%REC	1	2/1/2012 4:02:23 PM

**Qualifiers:**   \*/X   Value exceeds Maximum Contaminant Level.  
                  E    Value above quantitation range  
                  J    Analyte detected below quantitation limits  
                  R    RPD outside accepted recovery limits  
                  S    Spike Recovery outside accepted recovery limits

B   Analyte detected in the associated Method Blank  
H   Holding times for preparation or analysis exceeded  
ND   Not Detected at the Reporting Limit  
RL   Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T4@3.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 11:00:00 AM

**Lab ID:** 1201868-006

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8081: PESTICIDES</b>						Analyst: JDC
4,4'-DDD	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
4,4'-DDE	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
4,4'-DDT	0.016	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Aldrin	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
alpha-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
beta-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Chlordane	ND	1.2		mg/Kg	1	2/1/2012 11:55:35 AM
delta-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Dieldrin	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Endosulfan I	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Endosulfan II	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Endosulfan sulfate	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Endrin	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Endrin aldehyde	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
gamma-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Heptachlor	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Heptachlor epoxide	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Methoxychlor	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Toxaphene	ND	1.2		mg/Kg	1	2/1/2012 11:55:35 AM
Surr: Decachlorobiphenyl	98.6	37.7-135		%REC	1	2/1/2012 11:55:35 AM
Surr: Tetrachloro-m-xylene	113	35.6-156		%REC	1	2/1/2012 11:55:35 AM
<b>EPA METHOD 8082: PCB'S</b>						Analyst: SCC
Aroclor 1016	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Aroclor 1221	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Aroclor 1232	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Aroclor 1242	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Aroclor 1248	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Aroclor 1254	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Aroclor 1260	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Surr: Decachlorobiphenyl	78.0	24.4-106		%REC	1	2/1/2012 11:35:00 PM
<b>MERCURY, TCLP</b>						Analyst: JLF
Mercury	ND	0.020		mg/L	1	2/3/2012 1:04:45 PM
<b>EPA METHOD 6010B: TCLP METALS</b>						Analyst: ELS
Arsenic	ND	5.0		mg/L	1	2/7/2012 7:57:53 AM
Barium	ND	100		mg/L	1	2/7/2012 7:57:53 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 7:57:53 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 7:57:53 AM
Lead	ND	5.0		mg/L	1	2/7/2012 7:57:53 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 7:57:53 AM
Silver	ND	5.0		mg/L	1	2/7/2012 7:57:53 AM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: T4@3.5ft

Project: SFPS Agua Fria Alternate

Collection Date: 1/30/2012 11:00:00 AM

Lab ID: 1201868-006

Matrix: SOIL

Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Toluene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Naphthalene	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 4:30:31 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 4:30:31 PM
Acetone	ND	0.75		mg/Kg	1	2/1/2012 4:30:31 PM
Bromobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Bromoform	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Bromomethane	ND	0.40		mg/Kg	1	2/1/2012 4:30:31 PM
2-Butanone	ND	0.50		mg/Kg	1	2/1/2012 4:30:31 PM
Carbon disulfide	ND	0.50		mg/Kg	1	2/1/2012 4:30:31 PM
Carbon tetrachloride	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
Chlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Chloroethane	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
Chloroform	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 4:30:31 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2-Dibromo-3-chloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Dibromomethane	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,1-Dichloroethane	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
2,2-Dichloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
1,1-Dichloropropene	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
Hexachlorobutadiene	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
2-Hexanone	ND	0.50		mg/Kg	1	2/1/2012 4:30:31 PM

**Qualifiers:**   \*/X   Value exceeds Maximum Contaminant Level.  
                  E    Value above quantitation range  
                  J    Analyte detected below quantitation limits  
                  R    RPD outside accepted recovery limits  
                  S    Spike Recovery outside accepted recovery limits

B   Analyte detected in the associated Method Blank  
H   Holding times for preparation or analysis exceeded  
ND   Not Detected at the Reporting Limit  
RL   Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T4@3.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 11:00:00 AM

**Lab ID:** 1201868-006

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Isopropylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	2/1/2012 4:30:31 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 4:30:31 PM
n-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Styrene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2,3-Trichlorobenzene	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2,3-Trichloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
Vinyl chloride	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
Surr: 1,2-Dichloroethane-d4	92.6	70-130		%REC	1	2/1/2012 4:30:31 PM
Surr: 4-Bromofluorobenzene	93.1	70-130		%REC	1	2/1/2012 4:30:31 PM
Surr: Dibromofluoromethane	103	71.7-132		%REC	1	2/1/2012 4:30:31 PM
Surr: Toluene-d8	99.8	70-130		%REC	1	2/1/2012 4:30:31 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T5@3.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 1:15:00 PM

**Lab ID:** 1201868-007

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8081: PESTICIDES</b>						Analyst: JDC
4,4'-DDD	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
4,4'-DDE	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
4,4'-DDT	0.065	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Aldrin	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
alpha-BHC	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
beta-BHC	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Chlordane	ND	6.3		mg/Kg	5	2/1/2012 3:08:59 PM
delta-BHC	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Dieldrin	0.056	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Endosulfan I	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Endosulfan II	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Endosulfan sulfate	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Endrin	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Endrin aldehyde	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
gamma-BHC	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Heptachlor	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Heptachlor epoxide	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Methoxychlor	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Toxaphene	ND	6.3		mg/Kg	5	2/1/2012 3:08:59 PM
Surr: Decachlorobiphenyl	140	37.7-135	S	%REC	5	2/1/2012 3:08:59 PM
Surr: Tetrachloro-m-xylene	127	35.6-156		%REC	5	2/1/2012 3:08:59 PM
<b>EPA METHOD 8082: PCB'S</b>						Analyst: SCC
Aroclor 1016	ND	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Aroclor 1221	ND	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Aroclor 1232	ND	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Aroclor 1242	ND	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Aroclor 1248	ND	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Aroclor 1254	ND	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Aroclor 1260	0.14	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Surr: Decachlorobiphenyl	74.0	24.4-106		%REC	1	2/2/2012 12:20:05 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: BRM
Chloride	240	30		mg/Kg	20	2/1/2012 1:43:39 PM
<b>MERCURY, TCLP</b>						Analyst: JLF
Mercury	ND	0.020		mg/L	1	2/3/2012 1:06:31 PM
<b>EPA METHOD 6010B: TCLP METALS</b>						Analyst: RAG
Arsenic	ND	5.0		mg/L	1	2/3/2012 3:03:23 PM
Barium	ND	100		mg/L	1	2/3/2012 3:03:23 PM
Cadmium	ND	1.0		mg/L	1	2/3/2012 3:03:23 PM
Chromium	ND	5.0		mg/L	1	2/3/2012 3:03:23 PM
Lead	ND	5.0		mg/L	1	2/3/2012 3:03:23 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T5@3.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 1:15:00 PM

**Lab ID:** 1201868-007

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 6010B: TCLP METALS</b>						Analyst: RAG
Selenium	ND	1.0		mg/L	1	2/3/2012 3:03:23 PM
Silver	ND	5.0		mg/L	1	2/3/2012 3:03:23 PM
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Toluene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2,4-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,3,5-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2-Dichloroethane (EDC)	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2-Dibromoethane (EDB)	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Naphthalene	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 1:14:05 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 1:14:05 PM
Acetone	ND	0.73		mg/Kg	1	2/1/2012 1:14:05 PM
Bromobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Bromodichloromethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Bromoform	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Bromomethane	ND	0.39		mg/Kg	1	2/1/2012 1:14:05 PM
2-Butanone	ND	0.49		mg/Kg	1	2/1/2012 1:14:05 PM
Carbon disulfide	ND	0.49		mg/Kg	1	2/1/2012 1:14:05 PM
Carbon tetrachloride	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
Chlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Chloroethane	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
Chloroform	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 1:14:05 PM
2-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
4-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
cis-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
cis-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2-Dibromo-3-chloropropane	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
Dibromochloromethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Dibromomethane	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
1,2-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,3-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,4-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Dichlorodifluoromethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,1-Dichloroethane	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
1,1-Dichloroethene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,3-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM

**Qualifiers:**

- \* / X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: T5@3.5ft

Project: SFPS Agua Fria Alternate

Collection Date: 1/30/2012 1:15:00 PM

Lab ID: 1201868-007

Matrix: SOIL

Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
2,2-Dichloropropane	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
1,1-Dichloropropene	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
Hexachlorobutadiene	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
2-Hexanone	ND	0.49		mg/Kg	1	2/1/2012 1:14:05 PM
Isopropylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
4-Isopropyltoluene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
4-Methyl-2-pentanone	ND	0.49		mg/Kg	1	2/1/2012 1:14:05 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 1:14:05 PM
n-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
n-Propylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
sec-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Styrene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
tert-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,1,1,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,1,2,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Tetrachloroethene (PCE)	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
trans-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
trans-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2,3-Trichlorobenzene	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
1,2,4-Trichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,1,1-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,1,2-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Trichloroethene (TCE)	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Trichlorofluoromethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2,3-Trichloropropane	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
Vinyl chloride	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
Surr: 1,2-Dichloroethane-d4	92.3	70-130		%REC	1	2/1/2012 1:14:05 PM
Surr: 4-Bromofluorobenzene	94.8	70-130		%REC	1	2/1/2012 1:14:05 PM
Surr: Dibromofluoromethane	104	71.7-132		%REC	1	2/1/2012 1:14:05 PM
Surr: Toluene-d8	96.7	70-130		%REC	1	2/1/2012 1:14:05 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit



# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T5@8.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 1:30:00 PM

**Lab ID:** 1201868-008

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8081: PESTICIDES</b>						Analyst: JDC
4,4'-DDD	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
4,4'-DDE	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
4,4'-DDT	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Aldrin	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
alpha-BHC	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
beta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Chlordane	ND	0.25		mg/Kg	1	2/1/2012 2:17:10 PM
delta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Dieldrin	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Endosulfan I	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Endosulfan II	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Endosulfan sulfate	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Endrin	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Endrin aldehyde	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
gamma-BHC	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Heptachlor	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Heptachlor epoxide	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Methoxychlor	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Toxaphene	ND	0.25		mg/Kg	1	2/1/2012 2:17:10 PM
Surr: Decachlorobiphenyl	65.8	37.7-135		%REC	1	2/1/2012 2:17:10 PM
Surr: Tetrachloro-m-xylene	78.1	35.6-156		%REC	1	2/1/2012 2:17:10 PM
<b>EPA METHOD 8082: PCB'S</b>						Analyst: SCC
Aroclor 1016	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Aroclor 1221	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Aroclor 1232	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Aroclor 1242	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Aroclor 1248	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Aroclor 1254	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Aroclor 1260	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Surr: Decachlorobiphenyl	53.6	24.4-106		%REC	1	2/2/2012 1:05:14 AM
<b>MERCURY, TCLP</b>						Analyst: JLF
Mercury	ND	0.020		mg/L	1	2/3/2012 1:08:18 PM
<b>EPA METHOD 6010B: TCLP METALS</b>						Analyst: ELS
Arsenic	ND	5.0		mg/L	1	2/7/2012 8:00:12 AM
Barium	ND	100		mg/L	1	2/7/2012 8:00:12 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 8:00:12 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 8:00:12 AM
Lead	ND	5.0		mg/L	1	2/7/2012 8:00:12 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 8:00:12 AM
Silver	ND	5.0		mg/L	1	2/7/2012 8:00:12 AM

**Qualifiers:** \* / X Value exceeds Maximum Contaminant Level.  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T5@8.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 1:30:00 PM

**Lab ID:** 1201868-008

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Toluene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Naphthalene	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 4:58:34 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 4:58:34 PM
Acetone	ND	0.74		mg/Kg	1	2/1/2012 4:58:34 PM
Bromobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Bromoform	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Bromomethane	ND	0.40		mg/Kg	1	2/1/2012 4:58:34 PM
2-Butanone	ND	0.50		mg/Kg	1	2/1/2012 4:58:34 PM
Carbon disulfide	ND	0.50		mg/Kg	1	2/1/2012 4:58:34 PM
Carbon tetrachloride	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
Chlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Chloroethane	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
Chloroform	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 4:58:34 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2-Dibromo-3-chloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Dibromomethane	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,1-Dichloroethane	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
2,2-Dichloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
1,1-Dichloropropene	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
Hexachlorobutadiene	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
2-Hexanone	ND	0.50		mg/Kg	1	2/1/2012 4:58:34 PM

**Qualifiers:**

- \* / X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T5@8.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 1:30:00 PM

**Lab ID:** 1201868-008

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Isopropylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	2/1/2012 4:58:34 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 4:58:34 PM
n-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Styrene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2,3-Trichlorobenzene	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2,3-Trichloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
Vinyl chloride	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
Surr: 1,2-Dichloroethane-d4	92.4	70-130		%REC	1	2/1/2012 4:58:34 PM
Surr: 4-Bromofluorobenzene	96.9	70-130		%REC	1	2/1/2012 4:58:34 PM
Surr: Dibromofluoromethane	105	71.7-132		%REC	1	2/1/2012 4:58:34 PM
Surr: Toluene-d8	93.9	70-130		%REC	1	2/1/2012 4:58:34 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T6@3.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 1:45:00 PM

**Lab ID:** 1201868-009

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8081: PESTICIDES</b>						Analyst: JDC
4,4'-DDD	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
4,4'-DDE	0.11	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
4,4'-DDT	0.16	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Aldrin	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
alpha-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
beta-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Chlordane	1.9	1.3		mg/Kg	1	2/1/2012 11:38:18 AM
delta-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Dieldrin	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Endosulfan I	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Endosulfan II	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Endosulfan sulfate	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Endrin	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Endrin aldehyde	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
gamma-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Heptachlor	0.013	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Heptachlor epoxide	0.016	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Methoxychlor	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Toxaphene	ND	1.3		mg/Kg	1	2/1/2012 11:38:18 AM
Surr: Decachlorobiphenyl	97.6	37.7-135		%REC	1	2/1/2012 11:38:18 AM
Surr: Tetrachloro-m-xylene	107	35.6-156		%REC	1	2/1/2012 11:38:18 AM
<b>EPA METHOD 8082: PCB'S</b>						Analyst: SCC
Aroclor 1016	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Aroclor 1221	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Aroclor 1232	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Aroclor 1242	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Aroclor 1248	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Aroclor 1254	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Aroclor 1260	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Surr: Decachlorobiphenyl	86.0	24.4-106		%REC	1	2/2/2012 1:50:22 AM
<b>MERCURY, TCLP</b>						Analyst: JLF
Mercury	ND	0.020		mg/L	1	2/3/2012 1:10:05 PM
<b>EPA METHOD 6010B: TCLP METALS</b>						Analyst: ELS
Arsenic	ND	5.0		mg/L	1	2/7/2012 8:04:02 AM
Barium	ND	100		mg/L	1	2/7/2012 8:04:02 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 8:04:02 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 8:04:02 AM
Lead	ND	5.0		mg/L	1	2/7/2012 8:04:02 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 8:04:02 AM
Silver	ND	5.0		mg/L	1	2/7/2012 8:04:02 AM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T6@3.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 1:45:00 PM

**Lab ID:** 1201868-009

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Toluene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2,4-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,3,5-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2-Dichloroethane (EDC)	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2-Dibromoethane (EDB)	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Naphthalene	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 5:26:34 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 5:26:34 PM
Acetone	ND	0.74		mg/Kg	1	2/1/2012 5:26:34 PM
Bromobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Bromodichloromethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Bromoform	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Bromomethane	ND	0.39		mg/Kg	1	2/1/2012 5:26:34 PM
2-Butanone	ND	0.49		mg/Kg	1	2/1/2012 5:26:34 PM
Carbon disulfide	ND	0.49		mg/Kg	1	2/1/2012 5:26:34 PM
Carbon tetrachloride	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
Chlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Chloroethane	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
Chloroform	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 5:26:34 PM
2-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
4-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
cis-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
cis-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2-Dibromo-3-chloropropane	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
Dibromochloromethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Dibromomethane	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
1,2-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,3-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,4-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Dichlorodifluoromethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,1-Dichloroethane	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
1,1-Dichloroethene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,3-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
2,2-Dichloropropane	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
1,1-Dichloropropene	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
Hexachlorobutadiene	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
2-Hexanone	ND	0.49		mg/Kg	1	2/1/2012 5:26:34 PM

**Qualifiers:** \* / X Value exceeds Maximum Contaminant Level.  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: T6@3.5ft

Project: SFPS Agua Fria Alternate

Collection Date: 1/30/2012 1:45:00 PM

Lab ID: 1201868-009

Matrix: SOIL

Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Isopropylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
4-Isopropyltoluene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
4-Methyl-2-pentanone	ND	0.49		mg/Kg	1	2/1/2012 5:26:34 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 5:26:34 PM
n-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
n-Propylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
sec-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Styrene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
tert-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,1,1,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,1,2,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Tetrachloroethene (PCE)	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
trans-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
trans-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2,3-Trichlorobenzene	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
1,2,4-Trichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,1,1-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,1,2-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Trichloroethene (TCE)	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Trichlorofluoromethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2,3-Trichloropropane	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
Vinyl chloride	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%REC	1	2/1/2012 5:26:34 PM
Surr: 4-Bromofluorobenzene	94.0	70-130		%REC	1	2/1/2012 5:26:34 PM
Surr: Dibromofluoromethane	106	71.7-132		%REC	1	2/1/2012 5:26:34 PM
Surr: Toluene-d8	95.4	70-130		%REC	1	2/1/2012 5:26:34 PM

**Qualifiers:**   \*/X   Value exceeds Maximum Contaminant Level.  
                  E    Value above quantitation range  
                  J    Analyte detected below quantitation limits  
                  R    RPD outside accepted recovery limits  
                  S    Spike Recovery outside accepted recovery limits

B   Analyte detected in the associated Method Blank  
H   Holding times for preparation or analysis exceeded  
ND   Not Detected at the Reporting Limit  
RL   Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: T6@9.5ft

Project: SFPS Agua Fria Alternate

Collection Date: 1/30/2012 2:15:00 PM

Lab ID: 1201868-010

Matrix: SOIL

Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8081: PESTICIDES</b>						Analyst: JDC
4,4'-DDD	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
4,4'-DDE	0.012	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
4,4'-DDT	0.049	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Aldrin	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
alpha-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
beta-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Chlordane	ND	1.2		mg/Kg	1	2/1/2012 12:30:05 PM
delta-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Dieldrin	0.010	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Endosulfan I	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Endosulfan II	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Endosulfan sulfate	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Endrin	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Endrin aldehyde	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
gamma-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Heptachlor	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Heptachlor epoxide	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Methoxychlor	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Toxaphene	ND	1.2		mg/Kg	1	2/1/2012 12:30:05 PM
Surr: Decachlorobiphenyl	89.4	37.7-135		%REC	1	2/1/2012 12:30:05 PM
Surr: Tetrachloro-m-xylene	91.2	35.6-156		%REC	1	2/1/2012 12:30:05 PM
<b>EPA METHOD 8082: PCB'S</b>						Analyst: SCC
Aroclor 1016	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Aroclor 1221	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Aroclor 1232	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Aroclor 1242	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Aroclor 1248	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Aroclor 1254	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Aroclor 1260	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Surr: Decachlorobiphenyl	76.0	24.4-106		%REC	1	2/2/2012 2:35:10 AM
<b>MERCURY, TCLP</b>						Analyst: JLF
Mercury	ND	0.020		mg/L	1	2/3/2012 1:11:53 PM
<b>EPA METHOD 6010B: TCLP METALS</b>						Analyst: ELS
Arsenic	ND	5.0		mg/L	1	2/7/2012 8:06:16 AM
Barium	ND	100		mg/L	1	2/7/2012 8:06:16 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 8:06:16 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 8:06:16 AM
Lead	ND	5.0		mg/L	1	2/7/2012 8:06:16 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 8:06:16 AM
Silver	ND	5.0		mg/L	1	2/7/2012 8:06:16 AM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T6@9.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 2:15:00 PM

**Lab ID:** 1201868-010

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Toluene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2,4-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,3,5-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2-Dichloroethane (EDC)	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2-Dibromoethane (EDB)	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Naphthalene	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 5:54:20 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 5:54:20 PM
Acetone	ND	0.73		mg/Kg	1	2/1/2012 5:54:20 PM
Bromobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Bromodichloromethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Bromoform	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Bromomethane	ND	0.39		mg/Kg	1	2/1/2012 5:54:20 PM
2-Butanone	ND	0.49		mg/Kg	1	2/1/2012 5:54:20 PM
Carbon disulfide	ND	0.49		mg/Kg	1	2/1/2012 5:54:20 PM
Carbon tetrachloride	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
Chlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Chloroethane	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
Chloroform	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 5:54:20 PM
2-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
4-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
cis-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
cis-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2-Dibromo-3-chloropropane	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
Dibromochloromethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Dibromomethane	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
1,2-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,3-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,4-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Dichlorodifluoromethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,1-Dichloroethane	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
1,1-Dichloroethene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,3-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
2,2-Dichloropropane	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
1,1-Dichloropropene	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
Hexachlorobutadiene	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
2-Hexanone	ND	0.49		mg/Kg	1	2/1/2012 5:54:20 PM

**Qualifiers:**

- \* / X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit



# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T6@9.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 2:15:00 PM

**Lab ID:** 1201868-010

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Isopropylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
4-Isopropyltoluene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
4-Methyl-2-pentanone	ND	0.49		mg/Kg	1	2/1/2012 5:54:20 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 5:54:20 PM
n-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
n-Propylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
sec-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Styrene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
tert-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,1,1,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,1,2,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Tetrachloroethene (PCE)	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
trans-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
trans-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2,3-Trichlorobenzene	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
1,2,4-Trichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,1,1-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,1,2-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Trichloroethene (TCE)	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Trichlorofluoromethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2,3-Trichloropropane	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
Vinyl chloride	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
Surr: 1,2-Dichloroethane-d4	93.5	70-130		%REC	1	2/1/2012 5:54:20 PM
Surr: 4-Bromofluorobenzene	92.3	70-130		%REC	1	2/1/2012 5:54:20 PM
Surr: Dibromofluoromethane	106	71.7-132		%REC	1	2/1/2012 5:54:20 PM
Surr: Toluene-d8	94.0	70-130		%REC	1	2/1/2012 5:54:20 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T7@3.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 3:10:00 PM

**Lab ID:** 1201868-011

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8081: PESTICIDES</b>						Analyst: JDC
4,4'-DDD	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
4,4'-DDE	0.65	0.10		mg/Kg	5	2/1/2012 3:26:15 PM
4,4'-DDT	0.99	0.10		mg/Kg	5	2/1/2012 3:26:15 PM
Aldrin	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
alpha-BHC	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
beta-BHC	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Chlordane	ND	2.5		mg/Kg	1	2/1/2012 2:34:24 PM
delta-BHC	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Dieldrin	0.65	0.10		mg/Kg	5	2/1/2012 3:26:15 PM
Endosulfan I	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Endosulfan II	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Endosulfan sulfate	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Endrin	0.052	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Endrin aldehyde	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
gamma-BHC	0.028	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Heptachlor	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Heptachlor epoxide	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Methoxychlor	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Toxaphene	ND	2.5		mg/Kg	1	2/1/2012 2:34:24 PM
Surr: Decachlorobiphenyl	91.2	37.7-135		%REC	1	2/1/2012 2:34:24 PM
Surr: Tetrachloro-m-xylene	84.4	35.6-156		%REC	1	2/1/2012 2:34:24 PM
<b>EPA METHOD 8082: PCB'S</b>						Analyst: SCC
Aroclor 1016	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Aroclor 1221	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Aroclor 1232	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Aroclor 1242	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Aroclor 1248	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Aroclor 1254	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Aroclor 1260	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Surr: Decachlorobiphenyl	46.0	24.4-106		%REC	1	2/2/2012 3:20:06 AM
<b>MERCURY, TCLP</b>						Analyst: JLF
Mercury	ND	0.020		mg/L	1	2/3/2012 1:13:40 PM
<b>EPA METHOD 6010B: TCLP METALS</b>						Analyst: ELS
Arsenic	ND	5.0		mg/L	1	2/7/2012 8:16:35 AM
Barium	ND	100		mg/L	1	2/7/2012 8:16:35 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 8:16:35 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 8:16:35 AM
Lead	ND	5.0		mg/L	1	2/7/2012 8:16:35 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 8:16:35 AM
Silver	ND	5.0		mg/L	1	2/7/2012 8:16:35 AM

**Qualifiers:** \* / X Value exceeds Maximum Contaminant Level.  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit  
 RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T7@3.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 3:10:00 PM

**Lab ID:** 1201868-011

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Toluene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Ethylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2,4-Trimethylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,3,5-Trimethylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2-Dichloroethane (EDC)	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2-Dibromoethane (EDB)	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Naphthalene	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
1-Methylnaphthalene	ND	0.40		mg/Kg	1	2/1/2012 6:22:10 PM
2-Methylnaphthalene	ND	0.40		mg/Kg	1	2/1/2012 6:22:10 PM
Acetone	ND	1.5		mg/Kg	1	2/1/2012 6:22:10 PM
Bromobenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Bromodichloromethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Bromoform	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Bromomethane	ND	0.80		mg/Kg	1	2/1/2012 6:22:10 PM
2-Butanone	ND	1.0		mg/Kg	1	2/1/2012 6:22:10 PM
Carbon disulfide	ND	1.0		mg/Kg	1	2/1/2012 6:22:10 PM
Carbon tetrachloride	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
Chlorobenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Chloroethane	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
Chloroform	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Chloromethane	ND	0.30		mg/Kg	1	2/1/2012 6:22:10 PM
2-Chlorotoluene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
4-Chlorotoluene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
cis-1,2-DCE	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
cis-1,3-Dichloropropene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2-Dibromo-3-chloropropane	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
Dibromochloromethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Dibromomethane	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
1,2-Dichlorobenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,3-Dichlorobenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,4-Dichlorobenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Dichlorodifluoromethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,1-Dichloroethane	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
1,1-Dichloroethene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2-Dichloropropane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,3-Dichloropropane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
2,2-Dichloropropane	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
1,1-Dichloropropene	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
2-Hexanone	ND	1.0		mg/Kg	1	2/1/2012 6:22:10 PM

**Qualifiers:**

- \* / X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T7@3.5ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 3:10:00 PM

**Lab ID:** 1201868-011

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Isopropylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
4-Isopropyltoluene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
4-Methyl-2-pentanone	ND	1.0		mg/Kg	1	2/1/2012 6:22:10 PM
Methylene chloride	ND	0.30		mg/Kg	1	2/1/2012 6:22:10 PM
n-Butylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
n-Propylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
sec-Butylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Styrene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
tert-Butylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,1,1,2-Tetrachloroethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,1,2,2-Tetrachloroethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Tetrachloroethene (PCE)	2.9	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
trans-1,2-DCE	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
trans-1,3-Dichloropropene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2,3-Trichlorobenzene	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
1,2,4-Trichlorobenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,1,1-Trichloroethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,1,2-Trichloroethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Trichloroethene (TCE)	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Trichlorofluoromethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2,3-Trichloropropane	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
Vinyl chloride	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Xylenes, Total	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
Surr: 1,2-Dichloroethane-d4	91.8	70-130		%REC	1	2/1/2012 6:22:10 PM
Surr: 4-Bromofluorobenzene	92.6	70-130		%REC	1	2/1/2012 6:22:10 PM
Surr: Dibromofluoromethane	103	71.7-132		%REC	1	2/1/2012 6:22:10 PM
Surr: Toluene-d8	97.1	70-130		%REC	1	2/1/2012 6:22:10 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T7@7ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 3:15:00 PM

**Lab ID:** 1201868-012

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8081: PESTICIDES</b>						Analyst: JDC
4,4'-DDD	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
4,4'-DDE	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
4,4'-DDT	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Aldrin	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
alpha-BHC	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
beta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Chlordane	ND	0.25		mg/Kg	1	2/1/2012 11:21:05 AM
delta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Dieldrin	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Endosulfan I	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Endosulfan II	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Endosulfan sulfate	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Endrin	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Endrin aldehyde	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
gamma-BHC	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Heptachlor	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Heptachlor epoxide	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Methoxychlor	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Toxaphene	ND	0.25		mg/Kg	1	2/1/2012 11:21:05 AM
Surr: Decachlorobiphenyl	55.5	37.7-135		%REC	1	2/1/2012 11:21:05 AM
Surr: Tetrachloro-m-xylene	59.7	35.6-156		%REC	1	2/1/2012 11:21:05 AM
<b>EPA METHOD 8082: PCB'S</b>						Analyst: SCC
Aroclor 1016	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Aroclor 1221	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Aroclor 1232	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Aroclor 1242	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Aroclor 1248	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Aroclor 1254	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Aroclor 1260	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Surr: Decachlorobiphenyl	53.2	24.4-106		%REC	1	2/2/2012 4:06:09 AM
<b>MERCURY, TCLP</b>						Analyst: JLF
Mercury	ND	0.020		mg/L	1	2/3/2012 1:15:28 PM
<b>EPA METHOD 6010B: TCLP METALS</b>						Analyst: ELS
Arsenic	ND	5.0		mg/L	1	2/7/2012 8:18:48 AM
Barium	ND	100		mg/L	1	2/7/2012 8:18:48 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 8:18:48 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 8:18:48 AM
Lead	ND	5.0		mg/L	1	2/7/2012 8:18:48 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 8:18:48 AM
Silver	ND	5.0		mg/L	1	2/7/2012 8:18:48 AM

**Qualifiers:**

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- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T7@7ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 3:15:00 PM

**Lab ID:** 1201868-012

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Toluene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Naphthalene	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 6:50:24 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 6:50:24 PM
Acetone	ND	0.74		mg/Kg	1	2/1/2012 6:50:24 PM
Bromobenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Bromoform	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Bromomethane	ND	0.40		mg/Kg	1	2/1/2012 6:50:24 PM
2-Butanone	ND	0.50		mg/Kg	1	2/1/2012 6:50:24 PM
Carbon disulfide	ND	0.50		mg/Kg	1	2/1/2012 6:50:24 PM
Carbon tetrachloride	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
Chlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Chloroethane	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
Chloroform	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 6:50:24 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2-Dibromo-3-chloropropane	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Dibromomethane	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,1-Dichloroethane	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
2,2-Dichloropropane	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
1,1-Dichloropropene	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
Hexachlorobutadiene	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
2-Hexanone	ND	0.50		mg/Kg	1	2/1/2012 6:50:24 PM

**Qualifiers:**

- \* / X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1201868

Date Reported: 2/10/2012

**CLIENT:** R.T. Hicks Consultants, LTD

**Client Sample ID:** T7@7ft

**Project:** SFPS Agua Fria Alternate

**Collection Date:** 1/30/2012 3:15:00 PM

**Lab ID:** 1201868-012

**Matrix:** SOIL

**Received Date:** 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260B: VOLATILES</b>						Analyst: NSB
Isopropylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	2/1/2012 6:50:24 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 6:50:24 PM
n-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Styrene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2,3-Trichlorobenzene	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2,3-Trichloropropane	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
Vinyl chloride	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
Surr: 1,2-Dichloroethane-d4	92.8	70-130		%REC	1	2/1/2012 6:50:24 PM
Surr: 4-Bromofluorobenzene	92.6	70-130		%REC	1	2/1/2012 6:50:24 PM
Surr: Dibromofluoromethane	105	71.7-132		%REC	1	2/1/2012 6:50:24 PM
Surr: Toluene-d8	93.9	70-130		%REC	1	2/1/2012 6:50:24 PM

**Qualifiers:** \*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

**Client:** HALL ENVIRONMENTAL ANALYSIS LAB **Batch #:** 120201016  
**Address:** 4901 HAWKINS NE SUITE D **Project Name:** 1201868  
ALBUQUERQUE, NM 87109  
**Attn:** ANDY FREEMAN

## Analytical Results Report

<b>Sample Number</b>	120201016-001	<b>Sampling Date</b>	1/30/2012	<b>Date/Time Received</b>	2/1/2012 10:18 AM
<b>Client Sample ID</b>	1201868-002C / T1@5FT	<b>Sampling Time</b>	9:08 AM	<b>Extraction Date</b>	2/1/2012
<b>Matrix</b>	Soil	<b>Sample Location</b>			
<b>Comments</b>					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	10.2	Percent		2/3/2012	EMP	%moisture	

## Surrogate Data

<b>Sample Number</b>	120201016-001		
<b>Surrogate Standard</b>		<b>Method</b>	<b>Percent Recovery</b>
2,4-Dichlorophenylacetic acid		EPA 8151A	108.3
			<b>Control Limits</b>
			30-145



# Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

**Client:** HALL ENVIRONMENTAL ANALYSIS LAB  
**Address:** 4901 HAWKINS NE SUITE D  
ALBUQUERQUE, NM 87109  
**Attn:** ANDY FREEMAN

**Batch #:** 120201016  
**Project Name:** 1201868

## Analytical Results Report

<b>Sample Number</b>	120201016-002	<b>Sampling Date</b>	1/30/2012	<b>Date/Time Received</b>	2/1/2012 10:18 AM
<b>Client Sample ID</b>	1201868-003C / T2@4FT	<b>Sampling Time</b>	10:00 AM	<b>Extraction Date</b>	2/1/2012
<b>Matrix</b>	Soil	<b>Sample Location</b>			
<b>Comments</b>					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	9	Percent		2/3/2012	EMP	%moisture	

## Surrogate Data

<b>Sample Number</b>	120201016-002		
<b>Surrogate Standard</b>		<b>Method</b>	<b>Percent Recovery</b>
2,4-Dichlorophenylacetic acid		EPA 8151A	110.7
			<b>Control Limits</b>
			30-145

# Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

**Client:** HALL ENVIRONMENTAL ANALYSIS LAB  
**Address:** 4901 HAWKINS NE SUITE D  
ALBUQUERQUE, NM 87109  
**Attn:** ANDY FREEMAN

**Batch #:** 120201016  
**Project Name:** 1201868

## Analytical Results Report

<b>Sample Number</b>	120201016-003	<b>Sampling Date</b>	1/30/2012	<b>Date/Time Received</b>	2/1/2012 10:18 AM
<b>Client Sample ID</b>	1201868-004C / T3@3.5FT	<b>Sampling Time</b>	10:30 AM	<b>Extraction Date</b>	2/1/2012
<b>Matrix</b>	Soil	<b>Sample Location</b>			
<b>Comments</b>					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	10.2	Percent		2/3/2012	EMP	%moisture	

## Surrogate Data

<b>Sample Number</b>	120201016-003		
<b>Surrogate Standard</b>		<b>Method</b>	<b>Percent Recovery</b>
2,4-Dichlorophenylacetic acid		EPA 8151A	110.5
			<b>Control Limits</b>
			30-145

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**Client:** HALL ENVIRONMENTAL ANALYSIS LAB  
**Address:** 4901 HAWKINS NE SUITE D  
ALBUQUERQUE, NM 87109  
**Attn:** ANDY FREEMAN

**Batch #:** 120201016  
**Project Name:** 1201868

## Analytical Results Report

<b>Sample Number</b>	120201016-004	<b>Sampling Date</b>	1/30/2012	<b>Date/Time Received</b>	2/1/2012 10:18 AM
<b>Client Sample ID</b>	1201868-005C / T4@9FT	<b>Sampling Time</b>	11:30 AM	<b>Extraction Date</b>	2/1/2012
<b>Matrix</b>	Soil	<b>Sample Location</b>			
<b>Comments</b>					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	9.5	Percent		2/3/2012	EMP	%moisture	

## Surrogate Data

<b>Sample Number</b>	120201016-004			
<b>Surrogate Standard</b>	2,4-Dichlorophenylacetic acid	<b>Method</b>	<b>Percent Recovery</b>	<b>Control Limits</b>
		EPA 8151A	107.5	30-145

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**Attn:** ANDY FREEMAN

**Batch #:** 120201016  
**Project Name:** 1201868

## Analytical Results Report

<b>Sample Number</b>	120201016-005	<b>Sampling Date</b>	1/30/2012	<b>Date/Time Received</b>	2/1/2012 10:18 AM
<b>Client Sample ID</b>	1201868-006C / T4@3.5FT	<b>Sampling Time</b>	11:00 AM	<b>Extraction Date</b>	2/1/2012
<b>Matrix</b>	Soil	<b>Sample Location</b>			
<b>Comments</b>					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	9.1	Percent		2/3/2012	EMP	%moisture	

## Surrogate Data

<b>Sample Number</b>	120201016-005		
<b>Surrogate Standard</b>	<b>Method</b>	<b>Percent Recovery</b>	<b>Control Limits</b>
2,4-Dichlorophenylacetic acid	EPA 8151A	99.5	30-145

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**Attn:** ANDY FREEMAN

**Batch #:** 120201016  
**Project Name:** 1201868

## Analytical Results Report

<b>Sample Number</b>	120201016-006	<b>Sampling Date</b>	1/30/2012	<b>Date/Time Received</b>	2/1/2012 10:18 AM
<b>Client Sample ID</b>	1201868-008C / T5@8.5FT	<b>Sampling Time</b>	1:30 PM	<b>Extraction Date</b>	2/1/2012
<b>Matrix</b>	Soil	<b>Sample Location</b>			
<b>Comments</b>					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	0.011	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	9.2	Percent		2/3/2012	EMP	%moisture	

## Surrogate Data

<b>Sample Number</b>	120201016-006		
<b>Surrogate Standard</b>		<b>Method</b>	<b>Percent Recovery</b>
2,4-Dichlorophenylacetic acid		EPA 8151A	100.9
			<b>Control Limits</b>
			30-145

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**Batch #:** 120201016  
**Project Name:** 1201868

## Analytical Results Report

<b>Sample Number</b>	120201016-007	<b>Sampling Date</b>	1/30/2012	<b>Date/Time Received</b>	2/1/2012 10:18 AM
<b>Client Sample ID</b>	1201868-009C / T6@3.5FT	<b>Sampling Time</b>	1:45 PM	<b>Extraction Date</b>	2/1/2012
<b>Matrix</b>	Soil	<b>Sample Location</b>			
<b>Comments</b>					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	6.4	Percent		2/3/2012	EMP	%moisture	

## Surrogate Data

<b>Sample Number</b>	120201016-007		
<b>Surrogate Standard</b>		<b>Method</b>	<b>Percent Recovery</b>
2,4-Dichlorophenylacetic acid		EPA 8151A	109.6
			<b>Control Limits</b>
			30-145

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**Batch #:** 120201016  
**Project Name:** 1201868

## Analytical Results Report

<b>Sample Number</b>	120201016-008	<b>Sampling Date</b>	1/30/2012	<b>Date/Time Received</b>	2/1/2012 10:18 AM
<b>Client Sample ID</b>	1201868-010C / T6@9.5FT	<b>Sampling Time</b>	2:15 PM	<b>Extraction Date</b>	2/1/2012
<b>Matrix</b>	Soil	<b>Sample Location</b>			
<b>Comments</b>					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	9.7	Percent		2/3/2012	EMP	%moisture	

## Surrogate Data

<b>Sample Number</b>	120201016-008		
<b>Surrogate Standard</b>	<b>Method</b>	<b>Percent Recovery</b>	<b>Control Limits</b>
2,4-Dichlorophenylacetic acid	EPA 8151A	108.0	30-145

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**Attn:** ANDY FREEMAN

**Batch #:** 120201016  
**Project Name:** 1201868

## Analytical Results Report

<b>Sample Number</b>	120201016-009	<b>Sampling Date</b>	1/30/2012	<b>Date/Time Received</b>	2/1/2012 10:18 AM
<b>Client Sample ID</b>	1201868-011C / T7@3.5FT	<b>Sampling Time</b>	3:10 PM	<b>Extraction Date</b>	2/1/2012
<b>Matrix</b>	Soil	<b>Sample Location</b>			
<b>Comments</b>					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	7.3	Percent		2/3/2012	EMP	%moisture	

## Surrogate Data

<b>Sample Number</b>	120201016-009			
<b>Surrogate Standard</b>		<b>Method</b>	<b>Percent Recovery</b>	<b>Control Limits</b>
2,4-Dichlorophenylacetic acid		EPA 8151A	75.1	30-145



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**Attn:** ANDY FREEMAN

**Batch #:** 120201016  
**Project Name:** 1201868

## Analytical Results Report

<b>Sample Number</b>	120201016-010	<b>Sampling Date</b>	1/30/2012	<b>Date/Time Received</b>	2/1/2012 10:18 AM
<b>Client Sample ID</b>	1201868-022C / T7@7FT	<b>Sampling Time</b>	3:15 PM	<b>Extraction Date</b>	2/1/2012
<b>Matrix</b>	Soil	<b>Sample Location</b>			
<b>Comments</b>					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	11.3	Percent		2/3/2012	EMP	%moisture	

## Surrogate Data

<b>Sample Number</b>	120201016-010		
<b>Surrogate Standard</b>	<b>Method</b>	<b>Percent Recovery</b>	<b>Control Limits</b>
2,4-Dichlorophenylacetic acid	EPA 8151A	107.9	30-145

Authorized Signature

  
John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level  
ND Not Detected  
PQL Practical Quantitation Limit

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The results reported relate only to the samples indicated.  
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595  
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1201868

10-Feb-12

Client: R.T. Hicks Consultants, LTD

Project: SFPS Agua Fria Alternate

Sample ID	MB-522		SampType: MBLK		TestCode: EPA Method 300.0: Anions					
Client ID:	PBS		Batch ID: 522		RunNo: 719					
Prep Date:	1/31/2012		Analysis Date: 2/1/2012		SeqNo: 20699		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-522		SampType: LCS		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 522		RunNo: 719					
Prep Date:	1/31/2012		Analysis Date: 2/1/2012		SeqNo: 20700		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.0	90	110			

### Qualifiers:

\*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1201868

10-Feb-12

Client: R.T. Hicks Consultants, LTD

Project: SFPS Agua Fria Alternate

Sample ID	<b>MB-510</b>		SampType:	<b>MBLK</b>		TestCode:	<b>EPA Method 8081: PESTICIDES</b>			
Client ID:	<b>PBS</b>		Batch ID:	<b>510</b>		RunNo:	<b>693</b>			
Prep Date:	<b>1/31/2012</b>		Analysis Date:	<b>2/1/2012</b>		SeqNo:	<b>19712</b>		Units: <b>mg/Kg</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4'-DDD	ND	0.0020								
4,4'-DDE	ND	0.0020								
4,4'-DDT	ND	0.0020								
Aldrin	ND	0.0020								
alpha-BHC	ND	0.0020								
beta-BHC	ND	0.0020								
Chlordane	ND	0.25								
delta-BHC	ND	0.0020								
Dieldrin	ND	0.0020								
Endosulfan I	ND	0.0020								
Endosulfan II	ND	0.0020								
Endosulfan sulfate	ND	0.0020								
Endrin	ND	0.0020								
Endrin aldehyde	ND	0.0020								
gamma-BHC	ND	0.0020								
Heptachlor	ND	0.0020								
Heptachlor epoxide	ND	0.0020								
Methoxychlor	ND	0.0020								
Toxaphene	ND	0.25								
Surr: Decachlorobiphenyl	0.056		0.06250		89.9	37.7	135			
Surr: Tetrachloro-m-xylene	0.064		0.06250		102	35.6	156			

Sample ID	<b>LCS-510</b>		SampType:	<b>LCS</b>		TestCode:	<b>EPA Method 8081: PESTICIDES</b>			
Client ID:	<b>LCSS</b>		Batch ID:	<b>510</b>		RunNo:	<b>693</b>			
Prep Date:	<b>1/31/2012</b>		Analysis Date:	<b>2/1/2012</b>		SeqNo:	<b>19858</b>		Units: <b>mg/Kg</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4'-DDD	0.014	0.0020	0.01250	0	115	44.4	156			
4,4'-DDE	0.012	0.0020	0.01250	0	97.4	28.2	172			
4,4'-DDT	0.012	0.0020	0.01250	0	92.8	24.9	167			
Aldrin	0.011	0.0020	0.01250	0	84.8	30.6	136			
alpha-BHC	0.012	0.0020	0.01250	0	94.2	36.3	126			
beta-BHC	0.011	0.0020	0.01250	0	88.2	36.8	147			
delta-BHC	0.014	0.0020	0.01250	0	112	37.8	144			
Dieldrin	0.010	0.0020	0.01250	0	82.6	27.3	141			
Endosulfan I	0.0099	0.0020	0.01250	0	79.0	26.8	149			
Endosulfan II	0.0098	0.0020	0.01250	0	78.2	30.6	154			
Endosulfan sulfate	0.013	0.0020	0.01250	0	103	23.2	172			
Endrin	0.010	0.0020	0.01250	0	81.4	29.7	159			
Endrin aldehyde	0.0086	0.0020	0.01250	0	69.2	26.5	154			
gamma-BHC	0.011	0.0020	0.01250	0	87.8	40.9	130			

### Qualifiers:

\*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1201868

10-Feb-12

Client: R.T. Hicks Consultants, LTD

Project: SFPS Agua Fria Alternate

Sample ID	LCS-510		SampType:	LCS		TestCode:	EPA Method 8081: PESTICIDES			
Client ID:	LCSS		Batch ID:	510		RunNo:	693			
Prep Date:	1/31/2012		Analysis Date:	2/1/2012		SeqNo:	19858		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Heptachlor	0.010	0.0020	0.01250	0	80.0	30.9	143			
Heptachlor epoxide	0.010	0.0020	0.01250	0	83.4	32.4	144			
Methoxychlor	0.011	0.0020	0.01250	0	91.0	40.3	157			
Surr: Decachlorobiphenyl	0.060		0.06250		96.4	37.7	135			
Surr: Tetrachloro-m-xylene	0.070		0.06250		111	35.6	156			

Sample ID	1201868-001BMS		SampType:	MS		TestCode:	EPA Method 8081: PESTICIDES			
Client ID:	T1@2.5ft		Batch ID:	510		RunNo:	693			
Prep Date:	1/31/2012		Analysis Date:	2/1/2012		SeqNo:	19981		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4'-DDD	0.027	0.010	0.01247	0.008300	152	44.4	156			
4,4'-DDE	0.028	0.010	0.01247	0.01182	127	28.2	172			
4,4'-DDT	0.032	0.010	0.01247	0.01496	135	24.9	167			
Aldrin	0.020	0.010	0.01247	0.006413	109	30.6	136			
alpha-BHC	0.020	0.010	0.01247	0.007420	101	36.3	126			
beta-BHC	0.019	0.010	0.01247	0	154	36.8	147			S
delta-BHC	0.027	0.010	0.01247	0.009935	133	37.8	144			
Dieldrin	0.019	0.010	0.01247	0.005785	107	27.3	141			
Endosulfan I	0.021	0.010	0.01247	0.006036	117	26.8	149			
Endosulfan II	0.017	0.010	0.01247	0.006916	84.5	30.6	154			
Endosulfan sulfate	0.026	0.010	0.01247	0.006036	162	23.2	172			
Endrin	0.021	0.010	0.01247	0.006036	124	29.7	159			
Endrin aldehyde	0.017	0.010	0.01247	0.005407	90.6	26.5	154			
gamma-BHC	0.020	0.010	0.01247	0.007168	101	40.9	130			
Heptachlor	0.020	0.010	0.01247	0.007042	104	30.9	143			
Heptachlor epoxide	0.021	0.010	0.01247	0.007294	109	32.4	144			
Methoxychlor	0.016	0.010	0.01247	0.004276	91.7	40.3	157			
Surr: Decachlorobiphenyl	0.10		0.06234		162	37.7	135			S
Surr: Tetrachloro-m-xylene	0.11		0.06234		176	35.6	156			S

Sample ID	1201868-001BMSD		SampType:	MSD		TestCode:	EPA Method 8081: PESTICIDES			
Client ID:	T1@2.5ft		Batch ID:	510		RunNo:	693			
Prep Date:	1/31/2012		Analysis Date:	2/1/2012		SeqNo:	19982		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4'-DDD	0.025	0.010	0.01254	0.008300	137	44.4	156	7.03	20	
4,4'-DDE	0.029	0.010	0.01254	0.01182	135	28.2	172	3.65	20	
4,4'-DDT	0.027	0.010	0.01254	0.01496	99.6	24.9	167	14.6	20	
Aldrin	0.019	0.010	0.01254	0.006413	103	30.6	136	3.27	20	
alpha-BHC	0.019	0.010	0.01254	0.007420	93.8	36.3	126	4.55	20	
beta-BHC	0.019	0.010	0.01254	0	151	36.8	147	1.42	20	S

### Qualifiers:

\*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1201868

10-Feb-12

Client: R.T. Hicks Consultants, LTD

Project: SFPS Agua Fria Alternate

Sample ID	1201868-001BMSD	SampType: MSD	TestCode: EPA Method 8081: PESTICIDES							
Client ID:	T1 @2.5ft	Batch ID:	510	RunNo: 693						
Prep Date:	1/31/2012	Analysis Date:	2/1/2012	SeqNo: 19982		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
delta-BHC	0.025	0.010	0.01254	0.009935	123	37.8	144	4.75	20	
Dieldrin	0.019	0.010	0.01254	0.005785	102	27.3	141	2.77	20	
Endosulfan I	0.019	0.010	0.01254	0.006036	106	26.8	149	6.35	20	
Endosulfan II	0.016	0.010	0.01254	0.006916	75.8	30.6	154	6.09	20	
Endosulfan sulfate	0.025	0.010	0.01254	0.006036	148	23.2	172	6.35	20	
Endrin	0.021	0.010	0.01254	0.006036	116	29.7	159	4.21	20	
Endrin aldehyde	0.017	0.010	0.01254	0.005407	89.9	26.5	154	0.199	20	
gamma-BHC	0.019	0.010	0.01254	0.007168	97.8	40.9	130	1.37	20	
Heptachlor	0.020	0.010	0.01254	0.007042	101	30.9	143	1.34	20	
Heptachlor epoxide	0.020	0.010	0.01254	0.007294	105	32.4	144	1.87	20	
Methoxychlor	0.015	0.010	0.01254	0.004276	87.9	40.3	157	2.68	20	
Surr: Decachlorobiphenyl	0.087		0.06269		139	37.7	135	0	20	S
Surr: Tetrachloro-m-xylene	0.095		0.06269		151	35.6	156	0	20	

### Qualifiers:

\*X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1201868

10-Feb-12

Client: R.T. Hicks Consultants, LTD

Project: SFPS Agua Fria Alternate

Sample ID	MB-511		SampType: MBLK		TestCode: EPA Method 8082: PCB's					
Client ID:	PBS		Batch ID: 511		RunNo: 705					
Prep Date:	1/31/2012		Analysis Date: 2/1/2012		SeqNo: 20168		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.020								
Aroclor 1221	ND	0.020								
Aroclor 1232	ND	0.020								
Aroclor 1242	ND	0.020								
Aroclor 1248	ND	0.020								
Aroclor 1254	ND	0.020								
Aroclor 1260	ND	0.020								
Surr: Decachlorobiphenyl	0.058		0.06250		92.0	24.4	106			

Sample ID	LCS-511		SampType: LCS		TestCode: EPA Method 8082: PCB's					
Client ID:	LCSS		Batch ID: 511		RunNo: 705					
Prep Date:	1/31/2012		Analysis Date: 2/1/2012		SeqNo: 20169		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1260	0.086	0.020	0.1250	0	68.5	21.4	118			
Surr: Decachlorobiphenyl	0.062		0.06250		98.8	24.4	106			

Sample ID	1201868-002BMS		SampType: MS		TestCode: EPA Method 8082: PCB's					
Client ID:	T1 @5ft		Batch ID: 511		RunNo: 705					
Prep Date:	1/31/2012		Analysis Date: 2/1/2012		SeqNo: 20173		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1260	0.068	0.020	0.1255	0	54.5	45	117			
Surr: Decachlorobiphenyl	0.040		0.06275		64.0	24.4	106			

Sample ID	1201868-002BMSD			SampType:	MSD		TestCode:	EPA Method 8082: PCB's			
Client ID:	T1@5ft			Batch ID:	511		RunNo:	705			
Prep Date:	1/31/2012			Analysis Date:	2/1/2012		SeqNo:	20174		Units:	mg/Kg
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Aroclor 1260	0.078	0.020	0.1253	0	62.0	45	117	12.8	20		
Surr: Decachlorobiphenyl	0.046		0.06266		73.2	24.4	106	0	0		

### Qualifiers:

\* / X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1201868

10-Feb-12

Client: R.T. Hicks Consultants, LTD

Project: SFPS Agua Fria Alternate

Sample ID	mb-517	SampType:	MBLK	TestCode:	EPA Method 8260B: VOLATILES					
Client ID:	PBS	Batch ID:	517	RunNo:	711					
Prep Date:	1/31/2012	Analysis Date:	2/1/2012	SeqNo:	20328	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Methyl tert-butyl ether (MTBE)	ND	0.050								
1,2,4-Trimethylbenzene	ND	0.050								
1,3,5-Trimethylbenzene	ND	0.050								
1,2-Dichloroethane (EDC)	ND	0.050								
1,2-Dibromoethane (EDB)	ND	0.050								
Naphthalene	ND	0.10								
1-Methylnaphthalene	ND	0.20								
2-Methylnaphthalene	ND	0.20								
Acetone	ND	0.75								
Bromobenzene	ND	0.050								
Bromodichloromethane	ND	0.050								
Bromoform	ND	0.050								
Bromomethane	ND	0.40								
2-Butanone	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.10								
Chlorobenzene	ND	0.050								
Chloroethane	ND	0.10								
Chloroform	ND	0.050								
Chloromethane	ND	0.15								
2-Chlorotoluene	ND	0.050								
4-Chlorotoluene	ND	0.050								
cis-1,2-DCE	ND	0.050								
cis-1,3-Dichloropropene	ND	0.050								
1,2-Dibromo-3-chloropropane	ND	0.10								
Dibromochloromethane	ND	0.050								
Dibromomethane	ND	0.10								
1,2-Dichlorobenzene	ND	0.050								
1,3-Dichlorobenzene	ND	0.050								
1,4-Dichlorobenzene	ND	0.050								
Dichlorodifluoromethane	ND	0.050								
1,1-Dichloroethane	ND	0.10								
1,1-Dichloroethene	ND	0.050								
1,2-Dichloropropane	ND	0.050								
1,3-Dichloropropane	ND	0.050								
2,2-Dichloropropane	ND	0.10								
1,1-Dichloropropene	ND	0.10								
Hexachlorobutadiene	ND	0.10								

### Qualifiers:

\*X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1201868

10-Feb-12

Client: R.T. Hicks Consultants, LTD

Project: SFPS Agua Fria Alternate

Sample ID	mb-517		SampType: MBLK		TestCode: EPA Method 8260B: VOLATILES					
Client ID:	PBS		Batch ID: 517		RunNo: 711					
Prep Date:	1/31/2012		Analysis Date: 2/1/2012		SeqNo: 20328		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Hexanone	ND	0.50								
Isopropylbenzene	ND	0.050								
4-Isopropyltoluene	ND	0.050								
4-Methyl-2-pentanone	ND	0.50								
Methylene chloride	ND	0.15								
n-Butylbenzene	ND	0.050								
n-Propylbenzene	ND	0.050								
sec-Butylbenzene	ND	0.050								
Styrene	ND	0.050								
tert-Butylbenzene	ND	0.050								
1,1,1,2-Tetrachloroethane	ND	0.050								
1,1,2,2-Tetrachloroethane	ND	0.050								
Tetrachloroethene (PCE)	ND	0.050								
trans-1,2-DCE	ND	0.050								
trans-1,3-Dichloropropene	ND	0.050								
1,2,3-Trichlorobenzene	ND	0.10								
1,2,4-Trichlorobenzene	ND	0.050								
1,1,1-Trichloroethane	ND	0.050								
1,1,2-Trichloroethane	ND	0.050								
Trichloroethene (TCE)	ND	0.050								
Trichlorofluoromethane	ND	0.050								
1,2,3-Trichloropropane	ND	0.10								
Vinyl chloride	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		92.3	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.3	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	71.7	132			
Surr: Toluene-d8	0.47		0.5000		94.7	70	130			

Sample ID	lcs-517		SampType: LCS		TestCode: EPA Method 8260B: VOLATILES					
Client ID:	LCSS		Batch ID: 517		RunNo: 711					
Prep Date:	1/31/2012		Analysis Date: 2/1/2012		SeqNo: 20329		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.050	1.000	0	98.6	70.7	123			
Toluene	0.98	0.050	1.000	0	97.5	80	120			
Chlorobenzene	1.0	0.050	1.000	0	101	70	130			
1,1-Dichloroethene	0.98	0.050	1.000	0	98.0	63.1	148			
Trichloroethene (TCE)	0.96	0.050	1.000	0	96.1	63.2	114			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.1	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.5000		90.1	70	130			

### Qualifiers:

\*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1201868

10-Feb-12

Client: R.T. Hicks Consultants, LTD

Project: SFPS Agua Fria Alternate

Sample ID	lcs-517		SampType: LCS		TestCode: EPA Method 8260B: VOLATILES					
Client ID:	LCSS		Batch ID: 517		RunNo: 711					
Prep Date:	1/31/2012		Analysis Date: 2/1/2012		SeqNo: 20329		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	0.53		0.5000		106	71.7	132			
Surr: Toluene-d8	0.49		0.5000		97.0	70	130			

Sample ID	1201868-001AMS		SampType: MS		TestCode: EPA Method 8260B: VOLATILES					
Client ID:	T1@2.5ft		Batch ID: 517		RunNo: 711					
Prep Date:	1/31/2012		Analysis Date: 2/1/2012		SeqNo: 20343		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.049	0.9728	0	103	60	126			
Toluene	1.1	0.049	0.9728	0	111	68.7	132			
Chlorobenzene	1.1	0.049	0.9728	0	110	71.8	134			
1,1-Dichloroethene	1.0	0.049	0.9728	0	104	34.5	155			
Trichloroethene (TCE)	1.1	0.049	0.9728	0	109	47.2	121			
Surr: 1,2-Dichloroethane-d4	0.45		0.4864		92.4	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.4864		92.8	70	130			
Surr: Dibromofluoromethane	0.52		0.4864		107	71.7	132			
Surr: Toluene-d8	0.46		0.4864		94.5	70	130			

Sample ID	1201868-001AMSD			SampType: MSD	TestCode: EPA Method 8260B: VOLATILES					
Client ID:	T1@2.5ft		Batch ID: 517		RunNo: 711					
Prep Date:	1/31/2012		Analysis Date: 2/1/2012		SeqNo: 20344		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.048	0.9634	0	106	60	126	1.38	15.7	
Toluene	1.0	0.048	0.9634	0	107	68.7	132	4.33	16.2	
Chlorobenzene	1.0	0.048	0.9634	0	107	71.8	134	3.76	14.9	
1,1-Dichloroethene	0.95	0.048	0.9634	0	98.4	34.5	155	6.57	31.8	
Trichloroethene (TCE)	0.99	0.048	0.9634	0	103	47.2	121	6.60	16.5	
Surr: 1,2-Dichloroethane-d4	0.45		0.4817		94.1	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.45		0.4817		93.7	70	130	0	0	
Surr: Dibromofluoromethane	0.50		0.4817		104	71.7	132	0	0	
Surr: Toluene-d8	0.47		0.4817		96.8	70	130	0	0	

### Qualifiers:

\*X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1201868

10-Feb-12

Client: R.T. Hicks Consultants, LTD

Project: SFPS Agua Fria Alternate

Sample ID	MB-570		SampType: MBLK		TestCode: MERCURY, TCLP					
Client ID:	PBW		Batch ID: 570		RunNo: 741					
Prep Date:	2/3/2012		Analysis Date: 2/3/2012		SeqNo: 21455		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercurv	ND	0.020								

Sample ID	LCS-570		SampType: LCS		TestCode: MERCURY, TCLP					
Client ID:	LCSW		Batch ID: 570		RunNo: 741					
Prep Date:	2/3/2012		Analysis Date: 2/3/2012		SeqNo: 21456		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.020	0.005000	0	104	80	120			

Sample ID	1201831-001AMS			SampType:	MS		TestCode:	MERCURY, TCLP			
Client ID:	BatchQC			Batch ID:	570		RunNo:	741			
Prep Date:	2/3/2012			Analysis Date:	2/3/2012		SeqNo:	21480		Units:	mg/L
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Mercury	ND	0.10	0.005000	0	125	75	125			S	

Sample ID	1201831-001AMSD			SampType:	MSD		TestCode:	MERCURY, TCLP			
Client ID:	BatchQC			Batch ID:	570		RunNo:	741			
Prep Date:	2/3/2012			Analysis Date:	2/3/2012		SeqNo:	21481		Units:	mg/L
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Mercury	ND	0.10	0.005000	0	124	75	125	0	20		

### Qualifiers:

\*/X Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1201868

10-Feb-12

Client: R.T. Hicks Consultants, LTD

Project: SFPS Agua Fria Alternate

Sample ID	<b>MB-543</b>		SampType:	<b>MBLK</b>		TestCode:	<b>EPA Method 6010B: TCLP Metals</b>			
Client ID:	<b>PBW</b>		Batch ID:	<b>543</b>		RunNo:	<b>747</b>			
Prep Date:	<b>2/2/2012</b>		Analysis Date:	<b>2/3/2012</b>		SeqNo:	<b>21571</b>		Units: <b>mg/L</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0								
Barium	ND	100								
Cadmium	ND	1.0								
Chromium	ND	5.0								
Lead	ND	5.0								
Selenium	ND	1.0								
Silver	ND	5.0								

Sample ID	<b>LCS-543</b>		SampType:	<b>LCS</b>		TestCode:	<b>EPA Method 6010B: TCLP Metals</b>			
Client ID:	<b>LCSW</b>		Batch ID:	<b>543</b>		RunNo:	<b>747</b>			
Prep Date:	<b>2/2/2012</b>		Analysis Date:	<b>2/3/2012</b>		SeqNo:	<b>21572</b>		Units: <b>mg/L</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0	109	80	120			
Barium	ND	100	0.5000	0	99.0	80	120			
Cadmium	ND	1.0	0.5000	0	103	80	120			
Chromium	ND	5.0	0.5000	0.001420	99.8	80	120			
Lead	ND	5.0	0.5000	0	94.2	80	120			
Selenium	ND	1.0	0.5000	0	106	80	120			
Silver	ND	5.0	0.1000	0	108	80	120			

Sample ID	<b>MB-582</b>		SampType:	<b>MBLK</b>		TestCode:	<b>EPA Method 6010B: TCLP Metals</b>			
Client ID:	<b>PBW</b>		Batch ID:	<b>582</b>		RunNo:	<b>808</b>			
Prep Date:	<b>2/4/2012</b>		Analysis Date:	<b>2/7/2012</b>		SeqNo:	<b>23044</b>		Units: <b>mg/L</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0								
Barium	ND	100								
Cadmium	ND	1.0								
Chromium	ND	5.0								
Lead	ND	5.0								
Selenium	ND	1.0								
Silver	ND	5.0								

Sample ID	<b>LCS-582</b>		SampType:	<b>LCS</b>		TestCode:	<b>EPA Method 6010B: TCLP Metals</b>			
Client ID:	<b>LCSW</b>		Batch ID:	<b>582</b>		RunNo:	<b>808</b>			
Prep Date:	<b>2/4/2012</b>		Analysis Date:	<b>2/7/2012</b>		SeqNo:	<b>23045</b>		Units: <b>mg/L</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0	110	80	120			
Barium	ND	100	0.5000	0	101	80	120			
Cadmium	ND	1.0	0.5000	0	106	80	120			

### Qualifiers:

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E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1201868

10-Feb-12

Client: R.T. Hicks Consultants, LTD

Project: SFPS Agua Fria Alternate

Sample ID	LCS-582		SampType: LCS		TestCode: EPA Method 6010B: TCLP Metals					
Client ID:	LCSW		Batch ID: 582		RunNo: 808					
Prep Date:	2/4/2012		Analysis Date: 2/7/2012		SeqNo: 23045		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	ND	5.0	0.5000	0	101	80	120			
Lead	ND	5.0	0.5000	0	101	80	120			
Selenium	ND	1.0	0.5000	0	114	80	120			
Silver	ND	5.0	0.1000	0	108	80	120			

Sample ID	1201831-001AMS		SampType: MS		TestCode: EPA Method 6010B: TCLP Metals					
Client ID:	BatchQC		Batch ID: 543		RunNo: 808					
Prep Date:	2/2/2012		Analysis Date: 2/7/2012		SeqNo: 23047		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	ND	500	0.5000	0.01623	101	75	125			
Cadmium	ND	5.0	0.5000	0	111	75	125			
Chromium	ND	25	0.5000	0	98.9	75	125			
Lead	ND	25	0.5000	0.04959	103	75	125			
Silver	ND	25	0.1000	0.0009300	112	75	125			

Sample ID	1201831-001AMSD		SampType: MSD		TestCode: EPA Method 6010B: TCLP Metals					
Client ID:	BatchQC		Batch ID: 543		RunNo: 808					
Prep Date:	2/2/2012		Analysis Date: 2/7/2012		SeqNo: 23048		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	ND	500	0.5000	0.01623	97.1	75	125	0	20	
Cadmium	ND	5.0	0.5000	0	110	75	125	0	20	
Chromium	ND	25	0.5000	0	94.2	75	125	0	20	
Lead	ND	25	0.5000	0.04959	103	75	125	0	20	
Silver	ND	25	0.1000	0.0009300	111	75	125	0	20	

Sample ID	1202092-001CMS		SampType: MS		TestCode: EPA Method 6010B: TCLP Metals					
Client ID:	BatchQC		Batch ID: 582		RunNo: 808					
Prep Date:	2/4/2012		Analysis Date: 2/7/2012		SeqNo: 23070		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0	102	75	125			
Cadmium	ND	1.0	0.5000	0	101	75	125			
Chromium	ND	5.0	0.5000	0	93.1	75	125			
Lead	ND	5.0	0.5000	0	93.1	75	125			

Sample ID	1202092-001CMSD		SampType:	MSD		TestCode:	EPA Method 6010B: TCLP Metals				
Client ID:	BatchQC		Batch ID:	582		RunNo:	808				
Prep Date:	2/4/2012		Analysis Date:	2/7/2012		SeqNo:	23071		Units: mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

### Qualifiers:

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E Value above quantitation range  
J Analyte detected below quantitation limits  
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1201868

10-Feb-12

Client: R.T. Hicks Consultants, LTD

Project: SFPS Agua Fria Alternate

Sample ID	1202092-001CMSD	SampType:	MSD	TestCode:	EPA Method 6010B: TCLP Metals					
Client ID:	BatchQC	Batch ID:	582	RunNo:	808					
Prep Date:	2/4/2012	Analysis Date:	2/7/2012	SeqNo:	23071	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0	102	75	125	0	20	
Cadmium	ND	1.0	0.5000	0	99.8	75	125	0	20	
Chromium	ND	5.0	0.5000	0	91.5	75	125	0	20	
Lead	ND	5.0	0.5000	0	92.1	75	125	0	20	

### Qualifiers:

\*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87105  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name:	RT HICKS	Work Order Number:	1201868
Received by/date:	AF 1/31/12		
Logged By:	Michelle Garcia	1/31/2012 8:45:00 AM	Michelle Garcia
Completed By:	Michelle Garcia	1/31/2012 9:59:28 AM	Michelle Garcia
Reviewed By:	UG 1/31/12		

### Chain of Custody

1. Were seals intact? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Client

### Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☒ No ☐ NA ☐
5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
6. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
11. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
12. Were any sample containers received broken? Yes ☐ No ☒
13. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
15. Is it clear what analyses were requested? Yes ☒ No ☐
16. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved bottles checked for pH:
( $<2$ or $>12$ unless noted)
Adjusted? _____
Checked by: _____

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

18. Additional remarks:

### 19. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Not Present			



## **General Requirements For Approvable Abatement Plan**

I. Indicate the overall responsible person, to include full name, address, and telephone number(s). If applicable, include corporate or business information, to include company name, address, telephone number(s), permit number(s), and corporate officers or business owners.

II. Provide a brief site description, indicating the site location, legal description, property owner(s), estimated amount and type of on-site solid waste, and state that the purpose of the abatement plan is to assure proper removal and disposal of the solid waste (e.g., construction and demolition debris, household waste, scrap tires, etc.) to obtain compliance with the New Mexico Solid Waste Act and the New Mexico Solid Waste Rules ("SWR"), 20.9.2 – 20.9.10 NMAC, and/or the New Mexico Recycling and Illegal Dumping Act and the Recycling, Illegal Dumping & Scrap Tire Management Rule ("RIDSTMR"), 20.9.20 NMAC. The inclusion of a site map is encouraged and may be mandatory in certain cases.

III. Describe the proposed abatement operations, to include the following:

A. Specify who will have on-site responsibility and oversight for the work, to include the person's name, address and telephone number.

B. Specify who will perform the abatement work, to include names, addresses and telephone numbers.

C. Specify who will transport the waste, to include names, addresses and telephone numbers. Be sure to indicate that the hauler is registered with the New Mexico Environment Department ("NMED") as a commercial hauler, hauler of special waste, or scrap tire hauler in accordance with the SWR and the RIDSTMR. In certain instances, the use of a registered hauler will not be required. Be sure to discuss this with the NMED enforcement officer prior to drafting an abatement plan or beginning abatement operations.

D. Specify which disposal facility (or facilities) will be utilized, to include the name, physical address, telephone number, and state-issued permit number.

E. List all heavy equipment to be utilized, to include storage or transport containers, loaders, conveyors and trucks.

F. Describe the operational abatement process (i.e., how the waste will be removed from the ground, containerized and transported?) and describe any special provisions regarding the temporary on-site storage of solid waste and measures that will be taken to assure site safety.

G. List all personal protective equipment ("PPE") to be required on-site, such as steel-toed boots, gloves, eye protection, hardhats, respirators, etc.

H. Provide a work progression timeline with milestones, to include the projected start date and the estimated completion date.

IV. Indicate that copies of all solid waste facility, tire recycling facility, and/or commercial waste hauler receipts will be provided to the NMED's Solid Waste Bureau within ten (10) days of completion of the abatement, verifying proper disposition of the waste by recycling or disposal.

V. Indicate that if hazardous or otherwise regulated waste is encountered during the abatement, that the NMED's Solid Waste Bureau, (505) 827-0197, will be immediately notified, in addition to any other necessary federal, state, county or local notifications.

VI. If the abatement involves special waste (e.g., regulated asbestos waste, infectious waste, sludge, incinerator ash, petroleum contaminated soils, etc.) be sure to coordinate with the NMED enforcement officer prior to submitting an abatement plan or beginning abatement operations, as unique sampling, handling, containerization, labeling, storage, manifesting, transportation and disposal requirements are necessary.