

OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, California 93030 • 805/385-1501



BOARD OF TRUSTEES

Mrs. Veronica Robles-Solis, President
Mrs. Debra M. Cordes, Clerk
Mr. Ernest "Mo" Morrison, Member
Mr. Denis O'Leary, Member
Mr. Albert "Al" Duff Sr., Member

ADMINISTRATION

Dr. Cesar Morales
Superintendent
Ms. Lisa Cline
Deputy Superintendent,
Business & Fiscal Services
Dr. Jesus Vaca
Assistant Superintendent,
Human Resources & Support Services
Ms. Robin I. Freeman
Assistant Superintendent,
Educational Services

AGENDA #3
REGULAR BOARD MEETING
Wednesday, September 7, 2016
5:00 p.m. – Study Session
Closed Session To Follow
7:00 PM - Regular Board Meeting

***NOTE:** In accordance with requirements of the Americans with Disabilities Act and related federal regulations, individuals who require special accommodation, including but not limited to an American Sign Language interpreter, accessible seating or documentation in accessible formats, should contact the Superintendent's office at least two days before the meeting date.

Persons wishing to address the Board of Trustees on any agenda item may do so by completing a "**Speaker Request Form**" and submitting the form to the **Asst. Supt. of Human Resources**. The Speaker should indicate on the card whether they wish to speak during Public Comment or when a specific agenda item is considered.

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

www.oxnardsd.org

OPIE TV – Channel 20 &
Verizon FIOS - Channel 37



Vision:

Empowering All Children to Achieve Excellence

Mission:

Ensure a culturally diverse education for each student in a safe, healthy and supportive environment that prepares students for college and career opportunities.



Visión:

Capacitar a cada alumno para que logre la excelencia académica

Misión:

Asegurar una educación culturalmente diversa para todo el alumnado en un ambiente seguro, saludable y propicio que les prepare para la Universidad y el acceso a oportunidades para desarrollar una carrera profesional.

**Section A
PRELIMINARY**

A.1 Call to Order and Roll Call

5:00 PM

The President of the Board will call the meeting to order. A roll call of the Board will be conducted.

A.2 Pledge of Allegiance to the Flag

Ms. Brasilia Perez, Principal at Chavez School, will introduce student Fher Ayala, 5th grader in Ms. Hatchman’s class, who will lead the audience in the Pledge of Allegiance.

A.3 District’s Vision and Mission Statements

The District’s Vision and Mission Statements will be read in English and Spanish by Stephanie Gonzalez, 8th grader in Ms. Abarca’s class, at Chavez School.

A.4 Presentation by Chavez School

Ms. Brasilia Perez will provide a short presentation to the Board regarding Chavez School. Following the presentation President Robles-Solis will present a token of appreciation to the students that participated in the Board Meeting.

A.5 Adoption of Agenda (Superintendent)

Moved:
Seconded:
Vote:

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

A.6 Study Session – Oxnard School District Teacher Pathway Program (Dr. Vaca)

The Board of Trustees will receive a report on the development of the Oxnard School District Teacher Pathway Program.

A.7 Closed Session – Public Participation/Comment (Limit three minutes per person per topic)

Persons wishing to address the Board of Trustees on any agenda item identified in the Closed Session agenda may do so by completing a “Speaker Request Form” and submitting the form to the Assistant Superintendent of Human Resources and Support Services. Public Comment shall be limited to fifteen (15) minutes per subject with a maximum of three (3) minutes per speaker.

The Board will now convene in closed session to consider the items listed under Closed Session.

A.8 Closed Session

1. Pursuant to Section 54956.9 of *Government Code*:
 - Conference with Legal Counsel – Anticipated Litigation: 1 case

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

Section A
PRELIMINARY
(continued)

A.8 Closed Session (continued)

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2. Pursuant to Sections 54957.6 and 3549.1 of the *Government Code*:
- Conference with Labor Negotiator:
Agency Negotiators: OSD Assistant Superintendent, Human Resources & Support Services, and Garcia Hernández & Sawhney, LLP
Association(s): OEA, OSSA, CSEA;
and All Unrepresented Personnel - Administrators, Classified Management, Confidential
3. Pursuant to Section 54956.8 of the *Government Code*:
- Conference with Real Property Negotiators (for acquisition of new school site):
Property: Parcel located Teal Club Road, North of Teal Club Road, South of Doris Avenue
Agency Negotiators: Superintendent/Deputy Superintendent, Business & Fiscal Services/ Garcia Hernandez & Sawhney, LLP/ Caldwell Flores Winters Inc.
Negotiating Parties: Dennis Hardgrave on behalf of the property owners
Under Negotiations: Instruction to agency negotiator on price and terms.
4. Pursuant to Section 54957 of the *Government Code* and Section 44943 of the *Education Code* the Board will consider personnel matters, including:
- Public Employee(s) Discipline/Dismissal/Release
 - Public Employee(s) Reassignment/Appointment
 - Assistant Principal (K-8)
 - Public Employee Evaluation:
 - District Superintendent

A.9 Reconvene to Open Session

7:00 PM

A10. Report Out of Closed Session

The Board will report on any action taken in closed session or take action on any item considered in closed session, including expulsion of students.

A.11 Recognition of Ms. Kristin Storey, AVID Teacher Advocacy Award (Dr. Morales)

The Board will recognize Ms. Kristin Storey, AVID Teacher at R.J. Frank Middle School for being awarded the 2016 AVID Teacher Advocacy Award.

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

Section B
PUBLIC COMMENT/HEARINGS

B.1 Public Comment (3 minutes each speaker)

Members of the public may address the Board on any matter within the Board's jurisdiction at this time or at the time that a specific agenda item is being considered. Comments should be limited to three (3) minutes. Please know this meeting is being video-recorded and televised. The Board particularly invites comments from parents of students in the District.

B.1 Comentarios del Público (3 minutos para cada ponente)

Los miembros del público podrán dirigirse a la Mesa Directiva sobre cualquier asunto que corresponda a la jurisdicción de la Mesa Directiva en este periodo o cuando este punto figure en el orden del día y sea analizado. Los comentarios deben limitarse a tres (3) minutos. Tenga presente que esta reunión está siendo grabada y televisada. La Mesa Directiva invita en particular a los padres y alumnos del distrito a que presenten sus comentarios.

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Board Bylaws, BB 9323 – Meeting Conduct**

**Section C
CONSENT AGENDA**

(All Matters Specified as Consent Agenda are considered by the Board to be routine and will be acted upon in one motion. There will be no discussion of these items prior to the time the Board votes on the motion unless members of the Board request specific items be discussed and/or removed from the Consent Agenda.)

Notes:
Moved:
Seconded:

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

C.I Agreements

It is recommended that the Board approve the following agreements: Dept/School

Academic:

- #16-105 with BrightBytes Inc., to provide third party evaluation services regarding the effectiveness of the Oxnard School District Magnet Assistance Program; amount not to exceed \$7,000.00, to be paid with MSAP Grant Funds; Freeman/
West
- #16-107 with Buck Institute for Education, to provide training in Project Based Learning for Oxnard School District’s three (3) middle school academies, September 8, 2016 through June 30, 2017; amount not to exceed \$150,000.00, to be paid with MSAP Grant Funds. Freeman/
West

Enrichment:

- #16-103 with Focus on the Masters, to provide classes to support arts integration at Fremont School; amount not to exceed \$6,500.00, to be paid with Title I Funds; Freeman/
Brisbine
- #16-104 with Focus on the Masters, to provide classes in the Opportunity Class to support art integration at Fremont School; amount not to exceed \$500.00, to be paid with Title I Funds; Freeman/
Brisbine
- #16-110 with Ventura County Arts Council, to provide music lessons at Soria School September 22, 2016 to April 24, 2017; amount not to exceed \$15,840.00, to be paid with School Donation Fund. Freeman/
Fox

Support Services:

- #16-102 with El Centrito, Oxnard School District will provide breakfast and lunches to students in their preschool program during the 2016-17 school year; El Centrito will reimburse the District for the cost of the meals provided; Cline/
Curwood
- #16-106 with AssetWorks LLC, will conduct an onsite inspection on fixed asset inventory and verification services throughout the District; amount not to exceed \$46,500.00, to be paid with General Funds; Cline/
Penanhoat
- #16-108 with New Dawn Counseling & Consulting Inc., to provide mental health services to all students, September 8, 2016 through June 30, 2017; amount not to exceed \$700,000.00, to be paid with Federal Counseling Grant Funds; Freeman/
Ridge
- #16-109 with New Dawn Counseling & Consulting Inc., to provide Oxnard School District students, families, and staff with information and education regarding Ventura County’s Behavioral Health Prevention and Early Intervention (PEI) Triple P (Positive Parenting Program), September 8, 2016 to June 30, 2019; at no cost to the District; Freeman/
Ridge

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

Section C
CONSENT AGENDA
(continued)

C.1 Agreements (continued)

It is recommended that the Board approve the following agreements: Dept/School

Support Services:

- #16-111 with New Dawn Counseling & Consulting Inc., to provide licensed Marriage, Family Therapist Interns to provide mental health services as requested by parent/guardian to clients attending that particular school; at no cost to the District. Freeman/Ridge

C.2 Authorize Superintendent to Accept A Soil Management Plan for the Lemonwood Elementary School Site as Approved by the DTSC

It is the recommendation of the District Superintendent, and the Deputy Superintendent, Business & Fiscal Services, in conjunction with Caldwell Flores Winters, Inc., that the Board of Trustees authorize the Superintendent to accept the final Soil Management Plan for the Lemonwood Elementary School Site as approved by the DTSC. Dept/School Dr. Morales/Cline/CFW, Inc.

C.3 Approval of Notice to Conduct Public Hearing to Determine Sufficient Textbooks or Instructional Materials for 2016-2017

It is the recommendation of the Assistant Superintendent, Educational Services and the Director of Curriculum, Instruction and Accountability, that the Board of Trustees approve setting the date of October 5, 2016 for Public Hearing to determine sufficient textbooks or instructional materials. Dept/School Freeman/Curtis

C.4 Request for Approval of Out-Of-State Conference Attendance – Washington DC

It is the recommendation of the Assistant Superintendent, Educational Services, and the Director of MSAP, that the Board of Trustees approve the request to attend out of state conference, for Assistant Superintendent, Educational Services, Ms. Robin Freeman; MSAP Director, Ms. Debra West, three Middle School Principals, Dr. Liam Joyce, Mr. Greg Brisbine, and Dr. Edd Bond, Grant Evaluator Ms. Lynne Aoki, and Administrative Assistant, Ms. Virginia Whitt, to the Magnet Schools of America Technical Assistance and Training Conference in Washington, DC from October 9-11, 2016; amount not to exceed \$15,000.00 for registration, airfare, ground travel, lodging and meals, to be paid with MSAP Grant Funds. Dept/School Freeman/West

C.5 School Occupational Therapist Salary Reallocation

It is the recommendation of the Personnel Commission that the Board of Trustees accept the salary reallocation for School Occupational Therapist from Range 32.0 to 34.5 on the Classified/CSEA Salary Schedule. Dept/School Koch

C.6 Consideration of Revision of Job Description: Peer Assistance Review (PAR) Consulting Teacher

It is the recommendation of the Assistant Superintendent, Human Resources and Support Services, that the Board of Trustees approve the revision for Peer Assistance Review (PAR) Consulting Teacher, as presented. Dept/School Vaca

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

Section C
CONSENT AGENDA
(continued)

C.7 Establish/Abolish/Reduce/Increase Hours of Positions

It is recommended that the Board approve the establishment, abolishment, reduction or increase in hours for classified positions, as submitted.

Dept/School
Koch

C.8 Personnel Actions

It is recommended that the Board approve personnel actions, as submitted.

Dept/School
Vaca/Koch

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

Section D
ACTION ITEMS

(Votes of Individual Board Members must be publicly reported.)

D.1 Consider Approval to Change Middle School Academy Names (Freeman/West)

It is the recommendation of the Assistant Superintendent, Educational Services and the Director of MSAP, that the Board of Trustees consider and approve the change in names of the three (3) middle schools, as presented; no fiscal impact.

Public Comment:
Presentation:
Moved:
Seconded:
Board Discussion:
Vote:

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

D.2 Approval of Resolution #16-08 Adopting the Preliminary Environmental Assessment for the Remainder of the Lemonwood Site (Dr. Morales/Cline/CFW, Inc.)

It is the recommendation of the District Superintendent, and the Deputy Superintendent, Business & Fiscal Services, in consultation with Caldwell Flores Winters, Inc., that the Board of Trustees approve Resolution #16-08 adopting the Preliminary Environmental Assessment (PEA) for the remainder of the Lemonwood Site.

Public Comment:
Presentation:
Moved:
Seconded:
Board Discussion:
Vote:

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

D.3 Approval of the Variable Term Waiver for Speech/Language Pathologist Services Credential for Theresa Sisemore (Vaca)

It is the recommendation of the Assistant Superintendent, Human Resources and Support Services that the Board of Trustees approve the Variable Term Waiver for Speech/Language Pathologist Services Credential for Theresa Sisemore, as presented.

Public Comment:
Presentation:
Moved:
Seconded:
Board Discussion:
Vote:

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

D.4 Approval of the Variable Term Waiver for Bilingual Authorization for Jasmin Arceo (Vaca)

It is the recommendation of the Assistant Superintendent, Human Resources and Support Services that the Board of Trustees approve the Variable Term Waiver for bilingual authorization for Jasmin Arceo, as presented.

Public Comment:
Presentation:
Moved:
Seconded:
Board Discussion:
Vote:

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

Section E
APPROVAL OF MINUTES

No minutes will be approved at this meeting.

**Note: No new items will be considered after 10:00 p.m. in accordance with
Board Bylaws, BB 9323 – Meeting Conduct**

Section F
BOARD POLICIES

(These are presented for discussion or study.
Action may be taken at the discretion of the Board.)

No Board Policies will be presented during this meeting.

**Note: No new items will be considered after 10:00 p.m. in accordance with
Board Bylaws, BB 9323 – Meeting Conduct**

**Section G
CONCLUSION**

G.1 Superintendent’s Announcements *(3 minutes)*

A brief report will be presented concerning noteworthy activities of district staff, matters of general interest to the Board, and pertinent and timely state and federal legislation.

Notes:

G.2 Trustees’ Announcements *(3 minutes each speaker)*

The trustees’ report is provided for the purpose of making announcements, providing conference and visitation summaries, coordinating meeting dates, identifying board representation on committees, and providing other information of general interest.

Notes:

ADJOURNMENT

Moved:
Seconded:
Vote:

**Note: No new items will be considered after 10:00 p.m. in accordance with
Board Bylaws, BB 9323 – Meeting Conduct**

OSD BOARD AGENDA ITEM

Name of Contributor: **Dr. Jesus Vaca**

Date of Meeting: **09/07/16**

- A. Preliminary X
Study Session: _____
B. Hearing: _____
C. Consent Agenda _____

Agreement Category:
___ Academic
___ Enrichment
___ Special Education
___ Support Services
___ Personnel
___ Legal
___ Facilities

- D. Action Items _____
E. Report/Discussion Items (no action) _____
F. Board Policies 1st Reading _____ 2nd Reading _____

Oxnard School District Teacher Pathway Program (Vaca)

The Oxnard School District Teacher Pathway Program’s goal is to recruit and support classified staff to become exemplary credentialed teachers in the Oxnard School District.

There is a current shortage of teachers, especially in the areas of Special Education, Mathematics, and Science, as well as teachers with a BCLAD credential. Through this program, the Oxnard School District will support our own classified staff with:

- Individualized academic support throughout the program
- Professional Development Seminars
- Financial Support, \$500.00 stipends for educational expenses
- CBEST, CSET, and RICA test preparation
- Intern program information
- Mentoring from current OSD Teachers and Administrators

FISCAL IMPACT:

None – informational purposes only.

ADDITIONAL MATERIAL:

None

OSD BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 9/7/16

- A. Preliminary Study Session: _____
- B. Hearing: _____
- C. Consent Agenda _____ Agreement Category:
 Academic
 Enrichment
 Special Education
 Support Services
 Personnel
 Legal
 Facilities
- D. Action Items _____
- E. Report/Discussion Items (no action) _____
- F. Board Policies _____ 1st Reading _____ 2nd Reading _____

Approval of Agreement #16-105 – BrightBytes Inc. (Freeman/West)

BrightBytes Inc. agrees to provide third party evaluative services regarding the effectiveness of the Oxnard School District Magnet Assistance Program. BrightBytes Inc. will host and maintain the program by means of their Applications and Clarity Platform with a focus on project based learning and collaborative cultures.

FISCAL IMPACT:

Not to exceed \$7,000.00 – MSAP

RECOMMENDATION:

It is recommended by the Director, MSAP, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-105 with BrightBytes Inc.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-105, BrightBytes Inc. (5 Pages)

BrightBytes, Inc. Service Agreement

This SERVICE AGREEMENT (“**Service agreement**”) is effective as of September 7, 2016 (“Effective Date”) between BrightBytes, Inc., a Delaware corporation (“**BrightBytes**”), and Oxnard Elementary School District (“**Customer**”, and together with BrightBytes, the “**Parties**”).

WHEREAS, BrightBytes owns and operates the Clarity Platform (as defined in the Terms).

WHEREAS, Customer wishes to access and use the applications and software listed below (such applications and software, the “**Application(s)**”). If, after the Effective Date of this Agreement, Customer wishes to access and use additional Applications, the Parties shall execute an addendum to that effect (each addendum an “**Addendum**”), which will be governed by the terms of the Agreement and this Service agreement.

WHEREAS, the Parties wish for BrightBytes to distribute the Applications via the Clarity Platform as further described in this Service agreement.

WHEREAS, the attached signed Proposal (“Addendum”) outlines the Applications, Pricing, and Payment Terms by which the Customer agrees to fulfill its financial obligation pursuant to this agreement.

1. Relationship to the BrightBytes Terms of Service and Privacy Policy. The Parties acknowledge and agree that the BrightBytes Terms of Service available at [<http://brightbytes.net/terms/>] (the “**Terms**”) and the BrightBytes Privacy Policy available at [<http://brightbytes.net/privacy-policy/>] form a part of the Agreement (as defined in the Terms), and are hereby incorporated by reference. By using the Applications as provided for in this Service agreement, Customer acknowledges and agrees that it has read and assented to all of the terms set forth in the Agreement.

2. Parties’ Duties. The Parties may from time to time specify additional Applications to be distributed pursuant to this Service Agreement, and the payment and other terms applicable to such Applications, by executing an Addendum such as the blank form attached hereto. When the Parties mutually execute an Addendum, it shall form a part of this Service Agreement and the Applications described in it shall be subject to the terms and conditions of this Service Agreement.

- a) **BrightBytes’ Duties.** BrightBytes will host and maintain the Clarity Platform and Applications on servers operated and maintained by or at the direction of BrightBytes. Subject to Customer’s timely payment of the Fees, during the Term, BrightBytes will provide the Applications via the Clarity Platform consistent with the terms and conditions of this Agreement. To the extent BrightBytes provides any services to Customer, BrightBytes will provide the services in a professional and workmanlike manner, using means and methods as it shall reasonably determine, in compliance with all applicable laws.
- b) **Customer Duties.** Customer will cooperate with BrightBytes in setting up the Applications as reasonably requested by BrightBytes. Customer will be responsible for obtaining and maintaining, at its sole expense, all the necessary computer hardware, software, modems, Internet connections, and other items required to access the Applications via the Clarity Platform. Customer will remain fully responsible for any use of the Applications or Clarity Platform by its employees, agents, representatives, or independent contractors who are expressly authorized to access and use the Applications via the Clarity Platform (“**Authorized Users**”), including compliance with this Agreement and applicable law.
- c) **License to Customer.** Subject to the terms and conditions of the Agreement, BrightBytes hereby grants to Customer a limited, non-transferable, non-sublicensable, nonexclusive, license during the Term to: (i) access and use the Applications and content contained in the Clarity Platform or Applications except for the Customer Data (defined below) (such content, “**BrightBytes Content**”) via the Clarity Platform in the manner contemplated by the Agreement; and (ii) use the data generated by the Applications (the “**BrightBytes Data**”) solely in order to use the Applications.

- d) License to BrightBytes. Subject to the terms and conditions of the Agreement, Customer hereby grants to BrightBytes a limited, worldwide, nonexclusive, royalty-free license during the Term to use, reproduce, transmit, have transmitted, display, store, archive, and make derivative works of any materials uploaded to, transmitted to, collected by, or otherwise made available to BrightBytes through the Applications (“**Customer Data**”) in order to provide the Applications and the Clarity Platform. BrightBytes shall have no right to sublicense or resell Customer Data, except however, that you agree that BrightBytes may collect, analyze, and use data derived from Customer Data, which may include information collected from or about a student but which does not identify the student personally, as well as data about your, and other users’ access and use of the Applications and the Clarity Platform, for purposes of operating, analyzing, improving, or marketing the Applications, the Clarity Platform, and any related services. If BrightBytes shares or publicly discloses information (e.g., in marketing materials, or in application development) that is derived from Customer Data, such data will be aggregated or anonymized to reasonably avoid identification of a specific school, educational entity, or individual. By way of example, BrightBytes may: (i) track the number of school administrators on an anonymized aggregate basis as part of BrightBytes’s marketing efforts to publicize the total number of users of the Applications and the Clarity Platform, (ii) analyze aggregated usage patterns for product development efforts, or (iii) use anonymous data derived from anonymous data collected from or about students in a form which may not reasonably identify either a particular individual or school, to develop further analytic frameworks and application tools. You further agree that BrightBytes will have the right, both during and after the Term of this Agreement, to use, store, transmit, distribute, modify, copy, display, sublicense, and create derivative works of the anonymized, aggregated data.
- e) License Restrictions. Customer shall not, and shall not permit any third party to: (i) use the Applications, Clarity Platform, BrightBytes Content, or BrightBytes Data except to the extent permitted in Section 2(C); (ii) modify or create any derivative work of any part of the Applications, Clarity Platform, BrightBytes Content, or BrightBytes Data; (iii) market, sublicense, publish, distribute, reproduce, assign, transfer, rent, lease, or loan the Applications, Clarity Platform, BrightBytes Content, or BrightBytes Data; (iv) use the Applications, Clarity Platform, BrightBytes Content, or BrightBytes Data for commercial time-sharing or service-bureau use; or (v) access the Applications or Clarity Platform in order to build a competitive product or service, build a product using similar ideas, features, functions, or graphics, or copy any ideas, features, functions, or graphics
- f) Proprietary Rights. Subject only to the limited license expressly granted under the Agreement, as between BrightBytes and Customer, BrightBytes shall retain all right, title, and interest in and to the Applications, Clarity Platform, BrightBytes Content, and BrightBytes Data, and all intellectual property rights therein. To the extent Customer has or obtains any right, title, or interest in the Applications, Clarity Platform, BrightBytes Content, or BrightBytes Data (or any improvements, enhancements, or modifications thereto, including any related suggestions, comments, or other feedback), Customer hereby assigns, and agrees to assign, without further consideration, to BrightBytes all such right, title, and interest it may have or obtain. Subject only to the limited license expressly granted hereunder, as between BrightBytes and Customer, Customer shall retain all right, title, and interest in and to Customer Data, and all intellectual property rights therein.

3. Payments

- a) Invoicing and Fees. BrightBytes will issue an invoice Customer for the fees for accessing and using the Applications and the Clarity Platform or for any services in accordance with the amounts set forth below (“**Fees**”), and Customer will pay BrightBytes the Fees according to the terms set forth below. The Customer will send payment to the following:

BrightBytes Inc.
Attn: Accounts Receivable Department
490 2nd St, Suite 302
San Francisco, CA 94107
Email: barry@brightbytes.net

The Customer may also send payment via wire or ACH to the following:

ACH Transfers

Silicon Valley Bank
Routing No.: 121140399
For the Credit of: BrightBytes, Inc.
Account No. 3301406421

Incoming Domestic Wire

Silicon Valley Bank
Routing No.: 121140399
For the Credit of: BrightBytes, Inc.
Account No.: 3301406421

- b) Timing of Payments. Payments shall be made within thirty (30) days of the date of the invoice issued provided by BrightBytes. Without waiving or prejudicing any other rights or remedies, if Customer does not make payment in a timely manner, BrightBytes may suspend Customer's access to the Applications and the Clarity Platform or the provision of services until such time as payments of the Fees are made current. BrightBytes will not be responsible for delays, costs incurred, or problems experienced by Customer due to the suspension of BrightBytes's performance under this Section.
- c) Taxes. Customer will, in addition to the other amounts payable under this Agreement, pay all federal, state, and local sales, use, VAT, or other taxes imposed by reason of transactions under this Agreement (other than taxes based on BrightBytes's net income). If BrightBytes is required to pay any such taxes for which Customer is responsible, then the taxes will be billed to and paid by Customer. If Customer is required by law to withhold from any amount owed to BrightBytes, then the amount payable to BrightBytes will be increased to the extent necessary to ensure that, after such withholding, BrightBytes receives the net amount that it otherwise would have received in the absence of such withholding.

4. Indemnification

- a) Customer Indemnification. Customer will indemnify and hold BrightBytes and its affiliates and each of their officers, directors, employees, attorneys, and agents harmless from and against any and all claims costs, damages, losses, liabilities, and expenses (including attorneys' fees and costs) arising out of or in connection with claims made by a third-party ("**Claims**") that: (i) use of the Customer Data infringes the rights of, or has caused harm to, a third party; and (ii) Customer or its Authorized Users have breached any terms of the Agreement.
- b) BrightBytes Indemnification. BrightBytes will indemnify and hold Customer and its affiliates and each of their officers, directors, employees, attorneys, and agents harmless from and against any and all Claims that the Applications or the Clarity Platform directly infringes the registered U.S. copyright or patent of a third-party.
- c) Notice and Control. The indemnified party: (i) must promptly notify the indemnifying party in writing of any Claim; provided that the failure to provide such notice shall not relieve the indemnifying party of its indemnifying party of its indemnification obligations hereunder except to the extent of any material prejudice directly resulting from such failure; (ii) must provide the indemnifying party the right to solely control the defense (including settlement) of any Claim; provided that the indemnifying party shall keep the indemnified party informed of the progress of such litigation or settlement, and the indemnifying party shall not settle any such Claim in a manner that does not unconditionally release the indemnified party without the indemnified party's prior written consent (not to be unreasonably withheld or delayed); and (iii) the indemnified party providing the indemnifying party all necessary information and assistance.
- d) BrightBytes's Options. In the event any portion of the Applications, Clarity Platform, BrightBytes Content, or BrightBytes Data is held or believed by BrightBytes to be infringing, BrightBytes may, at its sole expense and option: (i) obtain from a third-party the right for Customer to continue using the affected Applications, Clarity Platform, BrightBytes Content, or BrightBytes Data; (ii) replace or modify the affected Applications, Clarity Platform, BrightBytes Content, or BrightBytes Data with a non-infringing substitute with substantially similar functionality; or (iii) if none of the foregoing remedies is commercially feasible as determined solely by BrightBytes, terminate the Agreement.

- e) Sole Remedy for Intellectual Property Claims. This Section 4 sets forth each party's entire liability and obligation, and each party's sole remedy for any claim of infringement or misappropriation of any intellectual property rights.

5. Term, Renewal, and Termination

- a) Termination for Breach. Either Party may terminate this Service Agreement (including all Addenda hereto) upon thirty (30) days' written notice if the other Party materially breaches any of the terms of this Service Agreement; provided, however, that this Service Agreement will not terminate if the non-terminating Party has cured the breach within the thirty (30) day period.
- b) Termination for Bankruptcy and Similar Events. Either Party may terminate this Service Agreement (including all Addenda hereto), effective immediately upon written notice, if: (i) all or a substantial portion of the assets of the other Party are transferred to an assignee of the benefit of creditors, to a receiver or trustee in bankruptcy; (ii) a proceeding is commenced by or against the other Party for relief under bankruptcy or similar laws and such proceeding is not dismissed within thirty (30) days; or (iii) the other Party is adjudged bankrupt or insolvent.
- c) Term and Renewal. This Service Agreement shall commence on the Effective Date, and shall continue for the "**Initial Term**". At the conclusion of the Initial Term (or any subsequent Renewal Term), the Service Agreement may renew for additional renewal terms (each a "**Renewal Term**"), upon written consent of both parties. The Initial Term and any Renewal Terms are collectively referred to herein as the "**Term**".
- d) Survival. Upon expiration or termination of this Service Agreement, the provisions of Sections 1, 2(D), and 3-6 (inclusive) of this Service Agreement, as well as all Sections of the Terms, and any unsatisfied payment obligations, shall survive.
- e) Data Retention and Deletion. Upon expiration or termination of this Service Agreement, you may request that BrightBytes delete, anonymize, and/or retrieve your Customer Data in BrightBytes's possession at any time by providing such a request in writing, which request BrightBytes shall then comply with in a commercially reasonable time not to exceed two (2) weeks. If you request your Customer Data be retrieved, BrightBytes will provide a CSV file of data that was processed during the Service Term. The file will be sent via encrypted email that is designated in writing for the retrieval agent. For clarity, BrightBytes will continue to maintain Customer Data after a retrieval request unless you also submit a request that such data be deleted or anonymized. BrightBytes is not required to delete or provide to you any data that has been de-identified, anonymized, or aggregated, or data that has been derived from Customer Data, so long as the data is maintained in a form, which could not reasonably identify any particular individual, educational entity or school.
- f) Change of Control. By submitting Customer Data to BrightBytes, you consent to allow BrightBytes to transfer Customer Data to a new provider in the event that BrightBytes sells, divests or transfers the business or a portion of the business, provided that the new provider has agreed to data privacy standards no less stringent than those set forth in this Agreement. We may also transfer personal information – under the same conditions – in the course of mergers, acquisitions, bankruptcies, dissolutions, reorganizations, liquidations, similar transactions or proceedings involving all or a portion of our business.

6. Non-Solicitation. During the Term and for one (1) year thereafter, Customer shall not solicit, or otherwise attempt to retain the services of, any person who is an employee or subcontractor of BrightBytes, or who was an employee or subcontractor of BrightBytes at any time during the three (3) months prior to such solicitation in each case who provided services to Customer hereunder, provided that individuals hired as a result of the use of an independent employment agency (so long as the agency was not directed to solicit a particular individual) or as a result of the use of a general solicitation (such as a **newspaper** advertisement or on radio or television) not specifically directed to employees or subcontractors of BrightBytes shall not violate this Section 6.

7. Additional Terms. Depending on the Application(s) licensed to Customer under the Agreement as indicated by the attached Addendum and if also listed below, the additional terms set forth in Section 8 below may apply.

Organization Name: Oxnard Elementary School District
Organization Contact: Debra West

Bill To: 1051 S A St
Oxnard, California 93030-7442
United States
(805) 487-3918

Prepared By: Sarah Skinner

The following are the applications and services that will be provided on the Clarity platform. for 3,000 students across three middle schools, focusing on Project Based Learning and Collaborative Cultures. Pending board approval on September 7, 2016.

Your term is for 12 months; the service start date will be September 08, 2016.

Item	Price
Technology & Learning	\$5,987.00
Technology & Learning Parent Data	\$781.00
Total:	\$6,768.00

Agreed to by the parties below.

BrightBytes Signature

Michael Zippiroli
Michael Zippiroli (May 25, 2016)

Name
Michael Zippiroli

Date Signed
May 25, 2016

Customer Signature

Name

Date Signed

Lisa A. Franz
Director, Purchasing
Oxnard School District

OSD BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 9/7/16

- A. Preliminary Study Session: _____
- B. Hearing: _____
- C. Consent Agenda _____ Agreement Category:
 Academic
 Enrichment
 Special Education
 Support Services
 Personnel
 Legal
 Facilities
- D. Action Items _____
- E. Report/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

Approval of Agreement/MOU #16-107 – Buck Institute for Education (Freeman/West)

The Buck Institute for Education will provide training in Project Based Learning for Oxnard School District's three (3) middle school academies September 8, 2016 through June 30, 2017. The trainings/3-day sessions will take place at the OSD District Office or school site facilities.

FISCAL IMPACT:

Not to exceed \$150,000.00 – MSAP

RECOMMENDATION:

It is recommended by the Director, MSAP, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement/MOU #16-107 with the Buck Institute for Education.

ADDITIONAL MATERIAL(S):

Attached: Agreement/MOU #16-107, Buck Institute for Education (2 Pages)
Proposal (6 Pages)
Certificate of Insurance (3 Pages)

**AGREEMENT #16-107 BETWEEN
BUCK INSTITUTE FOR EDUCATION AND OXNARD SCHOOL DISTRICT
FOR PROFESSIONAL DEVELOPMENT TRAININGS AND FOLLOW-UP
IN MSAP OBJECTIVES PROJECT BASED LEARNING**

The scope of this document is to define the roles and responsibilities of the Buck Institute for Education (BIE) and the Oxnard School District (OSD). The purpose of this agreement is to provide MSAP Academy educators with continued training and support for the implementation of project based learning with the STEAM Academy programs.

This serves as a Memorandum of Understanding and Responsibility Agreement that the **Oxnard School District** and the Buck Institute for Education will work together toward providing Oxnard STEAM Academy educators with additional training in project based learning beyond the PBL 101 basic workshop. Both the agency and consultant, according to its defined role, agrees to participate in coordinating, providing and financing the following services of this agreement:

1. **Buck Institute for Education agrees to:**
 - a. Provide up to thirteen (13) 3-day training sessions for Oxnard School District middle school educators in Project Based Learning as an extension of the PBL 101 Workshop.
 - b. Provide, in each training session, a focus on one Essential Project Design Element and one protocol for use in the classroom.
 - c. Provide Oxnard School District with Certificate of Insurance naming the Oxnard School District as “additional insured”.
 - d. Total costs for each 3-day training session not to exceed \$11,600.00 for professional development, consultant travel and accommodations.
 - e. Total cost for the program including all 3-day sessions not to exceed \$150,000.00.
 - f. BIE and Client agree that BIE will assign an appropriately trained and experienced primary presenter, a “National Faculty” designee, for the training program described in this Contract. BIE will be solely responsible for payment of his/her compensation. National Faculty members are not BIE employees. When assigned to a particular project, a National Faculty member serves in the capacity of an independent contractor to BIE. The person(s) assigned by BIE to act as presenter of BIE materials under this Contract is not an agent of BIE and has no authority to modify the terms and provisions of this Contract on behalf of BIE, or to bind BIE to provide any additional materials or services related to this Contract which are not specified in this Contract. The assigned presenter is solely responsible for his/her conduct, manner and actions in presentation of BIE materials under this Contract.
 - g. BIE is the sole provider of these services due to the copyrighted materials used. BIE shall retain exclusive copyrights to all its existing written and audiovisual material provided in the training. The Client shall retain exclusive copyrights to all written material, such as project design blueprints, developed by participants during professional services events.

2. **Oxnard School District- MSAP funded STEAM Academies agrees to:**
 - a. Pay \$11,600.00 for each 3-day session with the National Faculty member up to a total of twelve (12) sessions and \$10,800.00 for one additional 3-day session. The price of each session includes consultant travel and accommodations. Each workshop takes place over the course of 3 consecutive days and the price for up to thirteen (13) sessions will not exceed \$150,000.00.
 - b. Provide the site and facility for training.
 - c. Provide LCD monitor set up as needed along with training materials.

- d. If District cancels workshop(s)/sessions with less than 30 day notice, District will be responsible for non- refundable expenses (minimum \$250 per workshop) already incurred. If District reschedules workshop(s), District will be responsible for any additional costs associated with rescheduling.

Oxnard School District will monitor this agreement to oversee implementation of this Gold Standard project Based Learning training. This Memorandum of Understanding and Responsibility Agreement shall be effective upon signature and implemented September 8, 2016 through September 30, 2017.

Oxnard School District:

Buck Institute for Education:

Signature

Signature

Lisa A. Franz, Director, Purchasing
Typed Name/Title

Andrea Small, Senior Director, Finance
Typed Name/Title

Date

Date



SERVICES PROPOSAL

Prepared For Oxnard School District

Debby West

Proposal Number: P-2513

Proposal Date: July 7, 2016

Services

Service	Service Price (USD)	Quantity	Total Service Price (USD)
Sustained Support Visit (Dates To Be Determined)	\$10,800.00	1	\$10,800.00
Sustained Support Visit (Three Day Celebration)	\$11,600.00	1	\$11,600.00
Sustained Support Visit (Three Day- April)	\$11,600.00	1	\$11,600.00
Sustained Support Visit (Three Day- August)	\$11,600.00	1	\$11,600.00
Sustained Support Visit (Three Day- December)	\$11,600.00	1	\$11,600.00
Sustained Support Visit (Three Day- February)	\$11,600.00	1	\$11,600.00
Sustained Support Visit (Three Day- January)	\$11,600.00	1	\$11,600.00
Sustained Support Visit (Three Day- June)	\$11,600.00	1	\$11,600.00
Sustained Support Visit (Three Day- March)	\$11,600.00	1	\$11,600.00
Sustained Support Visit (Three Day- May)	\$11,600.00	1	\$11,600.00
Sustained Support Visit (Three Day- November)	\$11,600.00	1	\$11,600.00



BUCK INSTITUTE FOR EDUCATION

PROJECT BASED LEARNING FOR THE 21ST CENTURY

Sustained Support Visit (Three Day- October)	\$11,600.00	1	\$11,600.00
Sustained Support Visit (Three Day- September)	\$11,600.00	1	\$11,600.00

Total: USD \$150,000.00

These prices are valid for scheduled services in the continental United States within the date ranges listed above. Prices are inclusive of facilitator fees, travel, accommodations, and administrative and other costs.

This is a non-binding quote for service offerings requested of the Buck Institute for Education (BIE). Service scheduling is not confirmed until a signed Services Agreement has been received by BIE. Peak demand for service delivery is June-August. Clients are advised to confirm services 60+ days in advance of the desired service delivery date.

This offer is valid for 60 days following the proposal date.

Appendix

Service	Start Date	End Date
Sustained Support Visit (Three Day- August)	8/1/2016	8/31/2016



Sustained Support Visit (Three Day- September)	9/1/2016	9/30/2016
Sustained Support Visit (Three Day- October)	10/1/2016	10/31/2016
Sustained Support Visit (Three Day- November)	11/1/2016	11/30/2016
Sustained Support Visit (Three Day- December)	12/1/2016	12/31/2016
Sustained Support Visit (Three Day- January)	1/1/2017	1/31/2017
Sustained Support Visit (Three Day- February)	2/1/2017	2/28/2017
Sustained Support Visit (Three Day- March)	3/1/2017	3/31/2017
Sustained Support Visit (Three Day- April)	4/1/2017	4/30/2017
Sustained Support Visit (Three Day Celebration)	4/1/2017	4/30/2017
Sustained Support Visit (Three Day- May)	5/1/2017	5/31/2017
Sustained Support Visit (Three Day- June)	6/1/2017	6/30/2017
Sustained Support Visit (Dates To Be Determined)	8/1/2016	6/30/2017

BIE Service Descriptions

Core & Systemic Service Offerings	
Service	Service Description
PBL 101 Workshops	PBL 101 is BIE’s foundational three-day (consecutive, 7.0 hours per day) onsite workshop. Based on BIE's model of Gold Standard PBL, the workshop provides participants with the skills and knowledge needed to design, assess and manage a rigorous, relevant, and standards-based project. The workshop models the project process. Facilitated by one of BIE's expert National Faculty, the workshop is a balanced blend of direct instruction, video



	<p>analysis, hands-on work, resource sharing, and peer collaboration and feedback. Participants are actively engaged in project design, with the expectation that every teacher or teaching team will generate a project plan that receives formative feedback from both participants and BIE National Faculty.</p> <p>All participants (limited to 35 per workshop) receive a free copy of BIE's highly regarded PBL 101 Workbook, which is exclusively for PBL 101 participants and not sold separately.</p>
Sustained Support Visits	<p>Sustained Support Visits are onsite instructional coaching events for participants who attended the PBL 101 Workshop. These visits are spaced throughout the school year following the 101, and are based on participant need. BIE conducts a survey of participating teachers and administrators and uses that data to develop a tailored session to support teachers in areas related to project design, assessment, and management.</p> <p>BIE requires districts who partner with us contract for these onsite visits, as multiple studies have indicated the importance of ongoing support as a feature of successful professional development and transformation in teacher practice.</p>

Systemic Service Offerings	
Service	Service Description
PBL Leadership Development Workshop Series	The PBL Leadership Development Workshop Series equips instructional leaders with the skills and knowledge needed to create the systemic conditions necessary for successful and sustainable PBL implementation. This series is a required feature of BIE's three-year implementation plans and is not offered independently. Workshop participants should include district leadership, instructional coaches, department chairs, site leadership and teacher leaders. The 8-day



	<p>series, usually spread over the course of one year, includes modules on key protocols, collegial conversations, analysis of student work, instructional rounds, walkthroughs, data analysis, etc. Participation in any one workshop in the series is limited to 50.</p>
<p>Systemic Implementation Planning Workshop</p>	<p>BIE supports systemic PBL implementation efforts by entering into partnerships with districts. These efforts begin by designing a flexible multi-year implementation plan during the full-day onsite PBL Implementation Planning Workshop. This fee-based planning workshop is the first step in the process. All members of the site-based leadership team work collaboratively with our Director of Implementation and a Systemic Partnership Coach to design the plan.</p> <p>During the session, we use our proprietary model to design a plan that has, as its central goal, the sustainable implementation of Project Based Learning. Plans take into account the needs of all stakeholders in the organization and leverage existing initiatives. BIE generates the plan and related budget within 10 days of the meeting's conclusion and submits it for partner approval. The plan is revised on semi-annual basis to ensure goals remain achievable.</p>
<p>PBL Sustainability Program – Workshop Facilitation</p>	<p>The PBL Sustainability Program - PBL Workshop Facilitation is a structured apprenticeship that prepares local instructional leaders to facilitate their own world-class PBL workshops based on BIE’s model. This program builds organizational capacity for Gold Standard PBL. Every candidate, chosen by the partner, is assigned one or more National Faculty members to guide him or her through the 6-10 month program. Graduates of the program will receive access to and training on BIE's latest content, tools and techniques for the duration of the partnership. They will remain certified for two years following the end of the partnership. In order to continue receiving updated tools and materials, PBL Sustainability Program graduates will need to re-certify their status by attending PBL World or one of our PBL Academies.</p>
<p>PBL Sustainability</p>	<p>The PBL Sustainability Program - PBL Coaching Series is</p>



Program – PBL Coaching Series	an eight-week online course that supports educators who provide PBL instructional coaching or leadership. It is required that participants have successfully completed a PBL 101 workshop prior to enrolling. Through a series of video samples, case studies, readings, and journaling, participants gain skills, strategies, and resources needed to support teachers and leaders with Gold Standard PBL implementation. Participation is asynchronous and includes discussion boards, a reflective journal, and a forum to ask questions and share best practices.
Systemic Partnership Coach (SPC)	Systems entering into a partnership with BIE work with a <u>Systemic Partnership Coach</u> (SPC) to support the creation of conditions that enable PBL. BIE believes in developing powerful personal relationships with its partners and working alongside a coach is one way we build the partner relationship. The SPC's manage BIE's work as outlined in the plan and provide the district PBL Steering Committee with a wide variety of tools from BIE's proprietary District Support Toolkit. In addition to providing the toolkit materials, SPC's provide onsite and virtual support to leaders, schedule BIE staff and National Faculty for services, arrange logistics of BIE's professional development events, generate reports, meet regularly (by phone) with the district PBL Steering Committee, tailor service components, and more. BIE's Systemic Partnership Coaches are drawn from some of the most experienced practitioners in our organization and put a friendly face on BIE's interactions with our partners.
Additional Days	In addition to the standard service length, you may wish to schedule additional consecutive days to the end of a service.

**CERTIFICATE OF LIABILITY INSURANCE**DATE (MM/DD/YYYY)
2/5/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Commercial Lines – 707-769-2900 Wells Fargo Insurance Services USA, Inc. - CA Lic#: 0D08408 1039 A N. McDowell Blvd Petaluma, CA 94954	CONTACT NAME: PHONE (A/C, No, Ext):	FAX (A/C, No):	
	E-MAIL ADDRESS:		
INSURED Buck Institute for Education 18 Commercial Blvd. Novato CA 94949	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A: Philadelphia Indemnity Insurance Company		18058
	INSURER B: Republic Indemnity Company of America		22179
	INSURER C:		
	INSURER D:		
	INSURER E:		
INSURER F:			

COVERAGES**CERTIFICATE NUMBER:** 10113703**REVISION NUMBER:** See below

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:			PHPK11452025	02/05/2016	12/01/2016	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 100,000
							MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
A	<input type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			PHPK1452025	02/05/2016	12/01/2016	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> RETENTION \$ 10,000			PHUB529900	02/05/2016	12/01/2016	EACH OCCURRENCE	\$ 2,000,000
							AGGREGATE	\$ 2,000,000
								\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			18771803	12/1/2015	12/1/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER	
							E.L. EACH ACCIDENT	\$ 1000000
							E.L. DISEASE - EA EMPLOYEE	\$ 1000000
							E.L. DISEASE - POLICY LIMIT	\$ 1000000
A	Professional Liability			PHPK1452025	02/05/2016	12/01/2016	\$2,000,000 Aggregate 1,000,000 Each Professional Incident	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CG 20 26 04 13 Re: Project Based Learning Professional Development Services

Oxnard School District its officers, agents, employees, and/or volunteers are covered as additional insured with respect to general liability of the named insured per endorsement referenced above.

CERTIFICATE HOLDER**CANCELLATION**

Oxnard School District
 Attn: Lisa Franz, Purchasing Dept.
 1051 South A Street
 Oxnard, CA 93030

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – DESIGNATED
PERSON OR ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

<p>Name Of Additional Insured Person(s) Or Organization(s): Blanket Additional Insured</p>
<p>Information required to complete this Schedule, if not shown above, will be shown in the Declarations.</p>

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

1. In the performance of your ongoing operations; or
2. In connection with your premises owned by or rented to you.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY

BLANKET ADDITIONAL INSURED - CG2026

Form CG2026 Additional Insured-Designated Person or Organization applies
to:

Any person or organization other than a joint venture whom you are required to add as an additional insured on this policy under a written contract or agreement provided that the contract or agreement is in effect during this policy period and is executed prior to the occurrence which causes "bodily injury", "property damage" or "personal injury and advertising injury".

All other terms and conditions of this Policy remain unchanged.

OSD BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 9/7/16

- A. Preliminary _____
Study Session: _____
- B. Hearing: _____
- C. Consent Agenda _____
- Agreement Category:**
____ Academic
 X Enrichment
____ Special Education
____ Support Services
____ Personnel
____ Legal
____ Facilities
- D. Action Items _____
- E. Report/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

Approval of Agreement #16-103 – Focus on the Masters (Freeman/Brisbine)

The Learning to See residencies, provided by Focus on the Masters, will be offered for 8 weeks in 13 classes to support arts integration at Fremont. Students will be introduced to a variety of artistic styles, explore the works of contemporary artists and engage in hands-on art activities.

FISCAL IMPACT:

Not to exceed \$6,500.00 – Title 1

RECOMMENDATION:

It is the recommendation of the Principal, Fremont Middle School, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-103 with Focus on the Masters.

ADDITIONAL MATERIAL:

Attached: Agreement #16-103, Focus on the Masters (1 Page)
Certificate of Insurance (2 Pages)



A Fine Arts Experience for Youth

·Provided by Focus on the Masters·

**OSD AGREEMENT #16-103
CONTRACT between FOTM and Fremont Middle School**

Contract Number	LTS256	For	13 residencies, 8 lessons ea
Date of Contract	September 8, 2016		
School/Institution	Fremont Middle School	Billing Address	1130 North M Street, Oxnard CA 93030
Responsible Party	Fremont Middle School	Phone #	
Contact Person/Teacher	Greg Brisbine	Phone #	
Number of Students	Max 40 students ea	Grade	8
Location of Instruction Session	Fremont Intermediate	Room #	8 th Grade Language Arts
Day of Instruction	To be determined (Tbd)	Time	Tbd
Instruction Starts	School year 2016-2017	Ends	School year 2016-2017
LTS Instructor	Aimee French	Phone #	(805)653-2501
LTS Fee	\$500 each	Total due	\$6,500

This is an agreement for services hereafter described and subject to the following items and conditions:

- 1. DESCRIPTION OF SERVICES:** Thirteen *Learning To See* (LTS) residencies of one lesson for eight (8) weeks for each of Fremont's 8th grade Language Arts classes provided by Focus on the Masters' *Learning To See* Youth Outreach Program. Class dates and times to be determined.
- 2. INSTITUTION RESPONSIBILITIES:**
 - ◆ Sign, date and return this contract to FOTM. Please submit payment for invoice provided upon receipt.
 - ◆ An institution's staff member will be present in the classroom at all times.
 - ◆ A computer, projector and white screen will be set up for each lesson **prior to the arrival of the LTS instructor.**
 - ◆ If the host teacher needs to reschedule a class after the schedule has been agreed upon between FOTM and your institution, the LTS instructor will make every effort to reschedule, but may be unable to reschedule a class due to calendar conflict.
- 3. LTS INSTRUCTOR RESPONSIBILITIES:**
 - ◆ Lessons will be up to 60 minutes in length.
 - ◆ Supplies are provided, limited to a \$50 budget per residency.
 - ◆ If the LTS instructor is unable to attend due to illness or emergency and cannot arrange for a substitute LTS teacher, the LTS instructor will notify the school or institution as soon as possible and will reschedule the class at a mutually agreed upon date and time.

Please sign and return this contract upon receipt to:

Aimee French, Education Coordinator · FOTM ·
505 Poli St. Suite 405, Ventura, California 93001 · Ph: 805/653-2501

I have read and agree with the above information:

Lisa A. Franz, Director, Purchasing

Signature

Date

Aimee French, Education Coordinator

6/28/16

Name of authorized FOTM representative

Signature

Date

____ Accounting copy

____ School copy

____ File copy

ADDITIONAL INSURED – DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):

Oxnard School District
1051 South A Street
Oxnard, CA 93030

Any person or organization that you are required to add as an additional insured on this policy, under a written contract or agreement currently in effect, or becoming effective during the term of this policy, and for which a certificate of insurance naming such person or organization as additional insured has been issued, but only with respect to their liability arising out of their requirements for certain performance placed upon you, as a nonprofit organization, in consideration for funding or financial contributions you receive from them. The additional insured status will not be afforded with respect to liability arising out of or related to your activities as a real estate manager for that person or organization.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

- A. In the performance of your ongoing operations; or
- B. In connection with your premises owned by or rented to you.

OSD BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 9/7/16

- A. Preliminary _____
Study Session: _____
- B. Hearing: _____
- C. Consent Agenda _____
- Agreement Category:**
____ Academic
 X Enrichment
____ Special Education
____ Support Services
____ Personnel
____ Legal
____ Facilities
- D. Action Items _____
- E. Report/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

Approval of Agreement #16-104 – Focus on the Masters (Freeman/Brisbine)

The Learning to See residencies, provided by Focus on the Masters, will be offered for 8 weeks in the Opportunity Class to support arts integration at Fremont. Students will be introduced to a variety of artistic styles, explore the works of contemporary artists and engage in hands-on art activities with a focus on building connectedness to school and positive social behavior.

FISCAL IMPACT:

Not to exceed \$500.00 – Title 1

RECOMMENDATION:

It is the recommendation of the Principal, Fremont Middle School, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-104 with Focus on the Masters.

ADDITIONAL MATERIAL:

Attached: Agreement #16-104, Focus on the Masters (1 Page)
Certificate of Insurance (2 Pages)



A Fine Arts Experience for Youth

·Provided by Focus on the Masters·

OSD AGREEMENT #16-104
 CONTRACT between FOTM and Fremont Middle School

Contract Number	LTS257	For	1 residency, 8 lessons
Date of Contract	September 8, 2016		
School/Institution	Fremont Middle School	Billing Address	1130 North M Street, Oxnard CA 93030
Responsible Party	Fremont Middle School	Phone #	
Contact Person/Teacher	Greg Brisbine	Phone #	
Number of Students	Max 40 students ea	Grade	Opportunity Class
Location of Instruction Session	Fremont Middle School	Room #	
Day of Instruction	To be determined (Tbd)	Time	Tbd
Instruction Starts	School year 2016-2017	Ends	School year 2016-2017
LTS Instructor	Aimee French	Phone #	(805)653-2501
LTS Fee	\$500 each	Total	\$500

This is an agreement for services hereafter described and subject to the following items and conditions:

1. **DESCRIPTION OF SERVICES:** One *Learning To See* (LTS) residencies of one lesson for eight (8) weeks for Fremont’s Opportunity Class provided by Focus on the Masters’ *Learning To See* Outreach Program. Class dates and times to be determined.
2. **INSTITUTION RESPONSIBILITIES:**
 - ◆ Sign, date and return this contract to FOTM. Please submit payment for invoice provided upon receipt.
 - ◆ An institution’s staff member will be present in the classroom at all times.
 - ◆ A computer, projector and white screen will be set up for each lesson **prior to the arrival of the LTS instructor.**
 - ◆ If the host teacher needs to reschedule a class after the schedule has been agreed upon between FOTM and your institution, the LTS instructor will make every effort to reschedule, but may be unable to reschedule a class due to calendar conflict.
3. **LTS INSTRUCTOR RESPONSIBILITIES:**
 - ◆ Lessons will be up to 60 minutes in length.
 - ◆ Supplies are provided, limited to a \$50 budget per residency.
 - ◆ If the LTS instructor is unable to attend due to illness or emergency and cannot arrange for a substitute LTS teacher, the LTS instructor will notify the school or institution as soon as possible and will reschedule the class at a mutually agreed upon date and time.

Please sign and return this contract upon receipt to:

Aimee French, Education Coordinator · FOTM ·
 505 Poli St. Suite 405, Ventura, California 93001 · Ph: 805/653-2501

I have read and agree with the above information.

 Lisa A. Franz, Director, Purchasing

Signature

Date

Aimee French, Education Coordinator

6/30/16

 Name of authorized FOTM representative

Signature

Date

____ Accounting copy

____ School copy

____ File copy

ADDITIONAL INSURED – DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):

Oxnard School District
1051 South A Street
Oxnard, CA 93030

Any person or organization that you are required to add as an additional insured on this policy, under a written contract or agreement currently in effect, or becoming effective during the term of this policy, and for which a certificate of insurance naming such person or organization as additional insured has been issued, but only with respect to their liability arising out of their requirements for certain performance placed upon you, as a nonprofit organization, in consideration for funding or financial contributions you receive from them. The additional insured status will not be afforded with respect to liability arising out of or related to your activities as a real estate manager for that person or organization.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

- A. In the performance of your ongoing operations; or
- B. In connection with your premises owned by or rented to you.

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 9/7/16

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT _____ **X**

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement/MOU #16-110 – Ventura County Arts Council (Freeman/Fox)

Soria School and the Ventura County Arts Council are in partnership to facilitate music education classes at the school site from September 22, 2016 through April 24, 2017. The Ventura County Arts Council will provide 24 weeks of continued music lessons taught by the OMAG music team in K-5th grades. Grades K-2 will be engaged in music fundamentals; Grades 3-5 will initiate instrumental music on recorders; and Grades 6-8 will be invited to join the after school choral program that will introduce rudimentary music fundamentals while preparing for a year end musical performance.

FISCAL IMPACT:

\$15,840.00 – Donation

RECOMMENDATION:

It is the recommendation of the Principal, Soria School, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement/MOU #16-110 with Ventura County Arts Council.

ADDITIONAL MATERIALS:

Attached: Agreement/MOU #16-110, Ventura County Arts Council (1 Page)
Certificate of Insurance (2 Pages)



Ventura County Arts Council
646 County Square Drive, Suite 154, Ventura, CA 93003-0436
(805) 658-2213 (805) 658-2281
vcarts@pacbell.net www.vcartscouncil.org

MEMORANDUM OF UNDERSTANDING BETWEEN
VENTURA COUNTY ARTS COUNCIL AND OXNARD SCHOOL DISTRICT
TO FACILITATE OXNARD MUSIC ADVOCACY GROUP (OMAG) CONSULTANCIES

This Memorandum of Understanding (MOU) is entered into by the VENTURA COUNTY ARTS COUNCIL (VCAC) and OXNARD SCHOOL DISTRICT (OSD) to facilitate the Oxnard Music Advocacy Group consultancies in Oxnard elementary and middle schools. The MOU sets forth the respective roles and responsibilities each bring to the program.

VCAC will:

- 1. Be the fiscal receiver of fees from the OSD for Oxnard Music Advocacy Group (OMAG) consultancies in the following school:

Soria Elementary - not to exceed \$15,840

Disperse fees received by VCAC from OSD designated to pay the stipends to the OMAG Independent Music Consultants who submit a VCAC Invoice signed off by the OSD principal who requested the residency.

- 2. Name OSD additional insured (in the amount of \$1,000,000 per occurrence, \$2,000,000 aggregate) through June 30, 2017

OSD will:

- 1. Be solely responsible for making all arrangements with the OMAG Independent Music Consultants, including but not limited to, specified times and dates for the consultancies, provide a location for the consultancy, and approve the subject matter for the consultancy.
2. OSD Principals will be solely responsible for completing an invoice for each residency that is then submitted to VCAC to be paid from the fees received by VCAC from OSD
3. Keep on file current liability insurance certificates verifying insurance compliance from all participating OMAG Independent Music Consultants naming OSD as additional insured.
4. Name VCAC additional insured (in the amount of \$1,000,000 per occurrence, \$2,000,000 aggregate) through June 30, 2017

This MOU is for Oxnard Music Advocacy Group (OMAG) consultancies from September 22, 2016 to [redacted], and may be extended by mutual agreement of both parties to the MOU.

April 24, 2017

We hereby agree to this MOU and certify that agreements made herein will be honored.

Representative of Oxnard School District

Date

Margaret Travers, Executive Director, VCAC

Date



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/9/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER <i>McDaniel Insurance Services LLC</i> P.O. Box 1294 Ojai, CA 93024-1294 CA DOI #0K28791	CONTACT NAME: Patricia (Patt) McDaniel PHONE (A/C, No, Ext): 805-646-9948, 800-400-7288 FAX (A/C, No): 805-646-9976 E-MAIL ADDRESS: mcins@west.net PRODUCER CUSTOMER ID #:													
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: Nonprofits' Insurance Alliance of California</td> <td></td> </tr> <tr> <td>INSURER B:</td> <td></td> </tr> <tr> <td>INSURER C:</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Nonprofits' Insurance Alliance of California		INSURER B:		INSURER C:		INSURER D:		INSURER E:		INSURER F:
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INSURER B:														
INSURER C:														
INSURER D:														
INSURER E:														
INSURER F:														
INSURED VENTURA COUNTY ARTS COUNCIL 646 County Square Drive #154 Ventura, CA 93003-0436														

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY			2016-09180-NPO	3/6/2016	3/6/2017	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 20,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY			2016-09180-NPO	3/6/2016	3/6/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS						BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ \$
	UMBRELLA LIAB						EACH OCCURRENCE \$
	EXCESS LIAB						AGGREGATE \$
	DEDUCTIBLE						\$
	RETENTION \$						\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER <input type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N <input checked="" type="checkbox"/> N/A (Mandatory in NH) If yes, describe under SPECIAL PROVISIONS below
							E.L. EACH ACCIDENT \$
							E.L. DISEASE - EA EMPLOYEE \$
							E.L. DISEASE - POLICY LIMIT \$
A	LIQUOR LIABILITY			2016-09180-NPO	3/6/2016	3/6/2017	AGGREGATE / COMMON CAUSE 1,000,000 / 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

The certificate holder is additional insured as required under a written contract, lease or agreement regarding occasional meetings per CG 20 26 04 13, as their interest may appear.

CERTIFICATE HOLDER**CANCELLATION**

Oxnard School District 1051 South A Street Oxnard, CA 93030	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
6	

© 1988- 2009 ACORD CORPORATION. All rights reserved.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – DESIGNATED
PERSON OR ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

<p>Name Of Additional Insured Person(s) Or Organization(s):</p> <p>Any person or organization that you are required to add as an additional insured on this policy, under a written contract or agreement currently in effect, or becoming effective during the term of this policy. The additional insured status will not be afforded with respect to liability arising out of or related to your activities as a real estate manager for that person or organization.</p> <p style="text-align: center;">Oxnard School District 1051 South A Street Oxnard, CA 93030</p> <p>Information required to complete this Schedule, if not shown above, will be shown in the Declarations.</p>
--

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

1. In the performance of your ongoing operations; or
2. In connection with your premises owned by or rented to you.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations; whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

BOARD AGENDA ITEM

Name of Contributor: Lisa Cline

Date of Meeting: 09/07/16

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT AGENDA _____

X

Agreement Category:

_____ Academic

_____ Enrichment

_____ Special Education

X Support Services

_____ Personnel

_____ Legal

_____ Facilities

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES _____

APPROVAL OF AGREEMENT #16-102 WITH EL CENTRITO FOR SUPPLYING BREAKFAST AND LUNCHES TO PRESCHOOL STUDENTS (Cline/Curwood)

Oxnard School District is entering into an agreement with El Centrito for the purpose of supplying breakfast and lunches to the students in their preschool programs. Meals are to be prepared in the Kamala and Ramona kitchens during the 2016-17 school year. The term of Agreement #16-102 is for one calendar year commencing on September 8, 2016.

FISCAL IMPACT

None. El Centrito will reimburse the District for the cost of the meals provided.

RECOMMENDATION

It is the recommendation of the Deputy Superintendent, Business & Fiscal Services, and the Director of Child Nutrition Services that the Board of Trustees approve Agreement #16-102 with El Centrito for the purpose of supplying breakfast and lunches to students in their preschool programs during the 2016-17 school year.

ADDITIONAL MATERIAL

Attached: Agreement #16-102 (8 pages)

**OXNARD SCHOOL DISTRICT AGREEMENT #16-102
STANDARD AGREEMENT FOR FOOD
SERVICES/VENDING**

This Agreement is entered into on this day September 7, 2016 by and between El Centrito, hereinafter referred to as the "Agency", and Oxnard School District, hereinafter referred to as the "Vendor".

WHEREAS, it is not the capability of the Agency to prepare specified meals under the Child and Adult Care Food Program (CACFP) for enrolled participating children; and

WHEREAS, the facilities and capabilities of the Vendor are adequate to supply specified meals to the Agency's facilities; and

WHEREAS, the Vendor is willing to provide such services to the Agency on a cost reimbursement basis;

THEREFORE, both parties hereto agree as follows:

THE VENDOR AGREES TO:

1. Prepare and supply the meals in the kitchens at Kamala and Ramona schools, on the School District's scheduled days of services, inclusive of necessary straws, utensils and napkins for the El Centrito preschool students in accordance with the number of meals requested and at the cost(s) per meal listed below:

Breakfast: \$2.25 ea.	Lunch: \$3.33 ea.	Supplemental/Snack: \$1.05 ea
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2. Assure that each meal provided to the Agency under this contract meets the minimum nutritional requirement as specified by the CACFP Meal Pattern Schedule B (attached) which is excerpted from the regulations 7 CFR Part 226.20.

3. Maintain full and accurate records that document: (1) the menus listing all meals provided to the Agency during the term of this contract, (2) a listing of all reimbursable nutrition components of each meal, and (3) an itemization of the quantities of each component used to prepare said meal. The Vendor agrees to provide meal preparation documentation by using yield factors for each food item as listed in the USDA Food Buying Guide or the CNFDD Simplified Food Buying Guide (SFBG) when calculating and recording the quantity of food prepared each meal.

4. Maintain such cost records as invoices, receipts and/or other documentation that exhibit the purchase or otherwise availability to the Vendor, of the meal components and quantities itemized in the meal preparation records.

5. Maintain on a daily basis an accurate count of the number of meals, by meal type, prepared for the Agency. Meal count documentation must include the number of meals requested by the Agency.

6. Allow the Agency to increase or decrease the number of meal orders, as needed, when the request is made within two hours of the scheduled delivery time.

7. Provide copy of the menu to each vended site with accurately identified meal components for breakfast, lunch and/or meal supplements (snacks).

8. On a monthly basis, present to the Agency an invoice accompanied by reports that itemizes the previous month's delivery. The Vendor agrees to forfeit payment for meals that are not ready within one (1) hour of the agreed upon delivery time, are spoiled or unwholesome at the time of delivery, are short of components, or do not otherwise meet the meal requirements contained in this agreement.
9. Operate in accordance with current CACFP requirements.
10. Retain all required records for a period of three (3) years after the end of the fiscal year to which they pertain (or longer, if an audit or administrative review in progress); and upon request to make all accounts and records pertaining to the agreement available to the Certified Public Accountant hired by the agency, representatives of the California State Department of Education, the US Department of Agriculture, and the US General Accounting Office for audit of administrative review at a reasonable time and place.
11. Not subcontract for the total meal, with or without milk, or for the assembly of meal.
12. The Vendor agency certifies, that in its operation of a Child and Adult Care Food Program, neither it nor its principals are presently disbarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.
13. Where the Vendor is unable to certify to any of the statements in this certification, Vendor shall attach an explanation to this proposal. Executive Order 12549, Debarment and Suspension, 34 CFR Part 85.510. (Lower Tier)
14. As required by the state Drug Free Workplace Act of 1990 (Government Code Section 8350 et. Seq.) and the Federal Drug Free Workplace Act of 1988 and implemented at 34 CFR Part 85, Subpart F, for grantees, as defined at 34 CFR Part 85, Sections 85.605 and 85.610, the recipient agency certifies that it will continue to provide a drug-free workplace.

THE AGENCY AGREES TO:

1. Ensure that an Agency representative is available at each (delivery/pick up) site, at the specified time on each specified (delivery/pick up) day to receive, inspect and sign for the requested number of meals. This individual will verify temperature, quality and quantity of each meal service delivery. The Agency assures the Vendor that this individual will be trained and knowledgeable in the record keeping and meal requirement of CACFP, and in health and sanitation.
2. Provide personnel to serve meals, clean the serving and eating areas, and assemble transport carts and auxiliary items for pick up / delivery.
3. Notify the Vendor within two (2) days of receipt of the next month's proposed menu of any changes, additions, or deletions that will be required in the menu request.
4. Provide the Vendor with a copy of Title 7 CFR Part 226; the CACFP Meal Pattern, Schedule B; the CNFDD Simplified Food Buying Guide, and all other technical assistance materials pertaining to the food service requirements of CACFP. The Agency will, within 24 hours of receipt from CDE/CACFP, advise the Vendor of any changes in the food service requirements of CACFP.

5. Pay the vendor the full amount as presented on the monthly itemized invoice on or before the 30 days following the date of invoice. The Agency agrees to notify the Vendor within 48 hours of receipt of any discrepancy in the invoice.

TERMS OF AGREEMENT

This agreement will take effect commencing September 8, 2016 and shall be for a period of one calendar year. It may be terminated by notification given by either party hereto the other party at least 30 days prior to the date of termination.

IN WITNESS WHEREOF, THE PARTIES HERETO HAVE EXECUTED THIS AGREEMENT AS OF THE DATES INDICATED BELOW:

_____	_____
Service Provider Official Signature	Agency Official Signature
_____	_____
Service Provider Official Name (please type)	Agency Official Name (please type)
_____	_____
Title	Title
_____	_____
Telephone	Telephone
_____	_____
Date	Date

Meal Pattern for Older Children

Child and Adult Care Food Program meal requirements for children ages one through twelve.

Breakfast

Milk⁵

Type	Ages 1 to 2 years	Ages 3 to 5 years	Ages 6 to 12 years
Fluid Milk	1/2 cup	3/4 cup	1 cup

Vegetables, Fruit

Type	Ages 1 to 2 years	Ages 3 to 5 years	Ages 6 to 12 years
Vegetable, Fruit, or Full-Strength (100%) Juice	1/4 cup	1/2 cup	1/2 cup

Grains/Breads (whole grain or enriched)

Type	Ages 1 to 2 years	Ages 3 to 5 years	Ages 6 to 12 years
Bread	1/2 slice	1/2 slice	1 slice
OR Rolls, Muffins, etc.	1/2 serving	1/2 serving	1 serving
OR Cold Dry Cereal (volume or weight, whichever is less)	1/4 cup or 1/3 oz.	1/3 cup or 1/2 oz.	3/4 cup or 1 oz.
OR Cooked Cereal, Pasta, Noodle Products, or Cereal Grains	1/4 cup	1/4 cup	1/2 cup

Lunch or Supper

Milk

Type	Ages 1 to 2 years	Ages 3 to 5 years	Ages 6 to 12 years
Fluid Milk	1/2 cup	3/4 cup	1 cup

Vegetables, Fruits

Type	Ages 1 to 2 years	Ages 3 to 5 years	Ages 6 to 12 years
Vegetable and/or Fruit (two or more kinds)	1/4 cup total	1/2 cup total	3/4 cup total

Grains/Breads (whole grain or enriched)

Type	Ages 1 to 2 years	Ages 3 to 5 years	Ages 6 to 12 years
Bread	1/2 slice	1/2 slice	1 slice
OR Rolls, Muffins, etc	1/2 serving	1/2 serving	1 serving
OR Cooked Cereal, Pasta, Noodle Products, or Cereal Grains	1/4 cup	1/4 cup	1/2 cup

Meat/Meat Alternatives

Type	Ages 1 to 2 years	Ages 3 to 5 years	Ages 6 to 12 years
Lean Meat, Fish, or Poultry (edible portion as served)	1 oz.	1.5 oz.	2 oz.
OR Cheese (natural or processed)	1 oz.	1.5 oz.	2 oz.
OR Cottage Cheese, Cheese Food/Cheese Spread Substitute	1/4 cup or 2 oz.	3/8 cup or 3 oz.	1/2 cup or 4 oz.
OR Egg (large)	1/2 egg	3/4 egg	1 egg
OR Cooked Dried Beans or Dried Peas ₁	1/4 cup	3/8 cup	1/2 cup
OR Peanut Butter, Reduced- Fat Peanut Butter, Soy Nut	2 Tbsp.	3 Tbsp.	4 Tbsp.

Butter, or Other Nut or Seed Butters			
OR Peanuts, Soy Nuts, Tree Nuts, Roasted Peas, or Seeds ²	1/2 oz. ²	3/4 oz. ²	1 oz. ²
OR yogurt (plain or flavored, unsweetened or sweetened)	1/2 cup	3/4 cup	1 cup
OR An Equivalent Quantity of Any Combination of the Above Meat/Meat Alternatives	N/A	N/A	N/A

A.M. or P.M. Supplement

(select 2 of these 4 components)³

Milk

Type	Ages 1 to 2 years	Ages 3 to 5 years	Ages 6 to 12 years
Fluid Milk	1/2 cup	1/2 cup	1 cup

Vegetables, Fruits

Type	Ages 1 to 2 years	Ages 3 to 5 years	Ages 6 to 12 years
Vegetable, Fruit, or Full-Strength (100%) Juice	1/2 cup	1/2 cup	3/4 cup

Grains/Breads (whole grain or enriched)

Type	Ages 1 to 2 years	Ages 3 to 5 years	Ages 6 to 12 years
Bread	1/2 slice	1/2 slice	1 slice
OR Rolls, Muffins, etc.	1/2 serving	1/2 serving	1 serving

OR Cold Dry Cereal (volume or weight, whichever is less)	1/4 cup or 1/3 oz.	1/3 cup or 1/2 oz.	3/4 cup or 1 oz.
OR Cooked Cereal, Pasta, Noodle Products, or Cereal Grains.	1/4 cup	1/4 cup	1/2 cup

Meat/Meat Alternatives

Type	Ages 1 to 2 years	Ages 3 to 5 years	Ages 6 to 12 years
Lean Meat, Fish, or Poultry (edible portion as served)	1/2 oz.	1/2 oz.	1 oz.
OR Cheese (natural or processed)	1/2 oz.	1/2 oz.	1 oz.
OR Cottage Cheese, Cheese Food/Cheese Spread Substitute	1/8 cup or 1 oz.	1/8 cup or 1 oz.	1/4 cup or 2 oz.
OR Egg (large)	1/2 egg	1/2 egg	1/2 egg
OR Yogurt (plain or flavored, unsweetened or sweetened ⁴)	1/4 cup	1/4 cup	1/2 cup
OR Cooked Dried Beans or Dried Peas ¹	1/8 cup	1/8 cup	1/4 cup
OR Peanut Butter, Reduced-Fat Peanut Butter, Soy Nut Butter, or Other Nut or Seed Butters	1 Tbsp.	1 Tbsp.	2 Tbsp.
OR Peanuts, Soy Nuts, Tree Nuts, Roasted Peas, or Seeds	1/2 oz	1/2 oz.	1 oz.

OR An Equivalent Quantity of Any Combination of the Above Meat/Meat Alternatives	N/A	N/A	N/A
--	-----	-----	-----

¹Dried beans or dried peas may be used as a meat alternate or as a vegetable component; but *cannot* be counted as both components in the same meal.

²No more than 50 percent of the requirement shall be met with nuts or seeds. Nuts or seeds shall be combined with another meat/meat alternate to fulfill the requirement. To determine combinations, 1 oz. of nuts or seeds is equal to 1 oz. of cooked lean meat, poultry, or fish. Roasted peas can count as a meat alternate or vegetable component, but cannot be counted as both in the same meal.

³Juice *cannot* be served when milk is served as the only other component.

⁴Commercially added fruit or nuts in flavored yogurt cannot be used to satisfy the second component requirement in supplements.

⁵Children between 12 and 23 months should be served whole milk. Children two years and older can only be served low fat (1 percent) or nonfat (skim) milk.

Questions: Kelley Knapp | kknapp@cde.ca.gov | 916-445-6774

Last Reviewed: Monday, January 4, 2016

OSD BOARD AGENDA ITEM

Name of Contributor: Lisa Cline

Date of Meeting: 9/7/16

- A. Preliminary _____
- Study Session: _____
- B. Hearing: _____
- C. Consent Agenda _____

- Agreement Category:
- ___ Academic
 - ___ Enrichment
 - ___ Special Education
 - X Support Services
 - ___ Personnel
 - ___ Legal
 - ___ Facilities

- D. Action Items _____
- E. Report/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

Approval of Agreement #16-106 – AssetWorks LLC (Cline/Penanhoat)

AssetWorks LLC will conduct an onsite inspection to inventory all fixed assets with an original cost of \$500 or greater, resulting in data that will provide the District with updated and accurate accountability and stewardship of capital assets, while assisting with the financial reporting requirements of GASB 34 and external audit requirements.

FISCAL IMPACT:

Not to exceed \$46,500.00 – General Fund

RECOMMENDATION:

It is the recommendation of the Director of Finance, and the Deputy Superintendent, Business & Fiscal Services, that the Board of Trustees approve Agreement #16-106 with AssetWorks LLC.

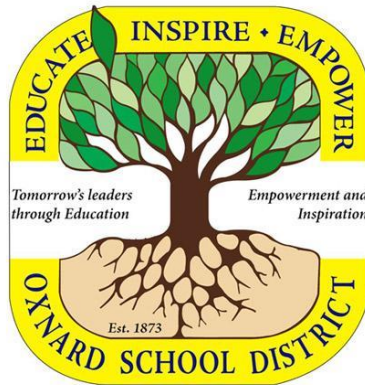
ADDITIONAL MATERIAL:

Attached: Agreement #16-106, AssetWorks LLC (11 Pages)U

AssetWORKS

Proposal to Provide Fixed Asset Inventory & Verification Services

Oxnard School District



Respectfully Submitted by:

AssetWorks LLC

Gregory N. Friz

Managing Director

6404 Wilshire Blvd., Suite 750

Los Angeles, CA 90048

greg.friz@assetworks.com

www.assetworks.com

Phone: 800-428-1925 x1806

TABLE OF CONTENTS

	PAGE #
STATEMENT OF QUALIFICATIONS	3
WORK PLAN	4
COSTING AND VALUATION METHODOLOGY.....	7
PROJECT DELIVERABLES	8
PROJECT FEES AND AUTHORIZATION	9
ADDENDUM A – REFERENCES	11
ADDENDUM B – TERMS AND CONDITIONS.....	12

STATEMENT OF QUALIFICATIONS



AssetWorks LLC offers asset management solutions that embrace all aspects of capital asset and asset verification tracking, valuation and reporting. Our innovative solutions help organizations to vastly improve GASB34/35 compliance, generate detailed financial reports, carry out depreciation and capitalization modeling, track property disposal, generate property insurance reports, and much more.

The District can confidently select AssetWorks LLC as a partner to provide asset management services. Specializing in providing asset management consulting, inventory, reconciliation, and valuation we offer:

- Two decades providing Enterprise Asset Management software solutions (EAM) and have the reputation of being the “best of class” provider. We are proud members of the Association of School Business Officials (ASBO), California Association of School Business Officials (CASBO) and the National Property Management Association (NPMA).
- With offices nationwide we offer our clients the resources of a national firm with the local knowledge of a small, local company.
- AssetWorks LLC is the technology pioneer in asset management solutions. We have the most advanced enterprise asset solution to support our client’s asset management needs.
- We have successfully provided asset management tracking, verification and consulting services for more than 5,000 entities across the United States, Europe, and Puerto Rico including ***over 1,000 educational clients.***

AssetWorks LLC is a Constellation Software, Inc. company. Constellation Software, Inc. is an international provider of market-leading software and services to a variety of industries, across both public and private sectors. The company was founded in 1995 and has a large, diverse customer base of 70,000 customers, operating in over 100 countries around the world. Constellation is an extremely healthy organization with consolidated revenues exceeding US\$1.2 billion.

WORK PLAN

Our in-house appraisers will conduct an onsite inspection to re-inventory all fixed assets with an original cost of \$500 and greater. The resulting data will provide the District proper accountability and stewardship of capital assets, assist with the financial reporting requirements of GASB 34, and external audit requirements. Additionally, identifying depreciable lives and calculation of accumulated and annual depreciations will take place followed by reporting in a format that is both useable and compliant. Data will be provided in both hard copy and electronic formats.

Planning & Project Coordination

After a thorough analysis of the required project scope, a work plan will be developed to coordinate, perform, and provide a comprehensive and accurate physical inventory and reconciliation. The work plan will include:

- Inventory and reconciliation schedule
- Identify current locations and organizations for asset ownership
- Review of current fixed asset system and file layout for data conversions
- Finalize quality control procedures
- Review deliverables

District Assistance

The success of this project substantially lies in the preparations and pre-project planning. We ask the District for assistance with the following:

- Notify key departments and contacts at each site of the project
- Enable access to all sites, buildings and rooms (master keys where possible)
- Prepare a current list of licensed vehicles to be included in the reports
- Provide the most recent fixed asset data in MS Excel format
- Items to be inventoried must be accessible, without the need to move or unpack items.
- Computer carts must be unlocked to be included in the inventory

Asset Inventory Implementation Plan:

With over 30 years of fixed asset data collection and reconciliation experience, AssetWorks has married software functionality with smart hardware technology. Easy data capturing methods and full mobile database capabilities are the cornerstones of AssetWorks mobile asset inventory and reconciliation services. Mobile asset data collection and verification services are conducive to an accurate and efficient asset inventory and verification process by streamlining inventory workflow processes.

Asset Inventory Verification Work Plan	Schedule
Task 1 Project Planning	
➤ Establish project/client team	Week 1
➤ Establish communication plan	Week 1
➤ Review current fixed asset system file layout	Week 1
➤ Obtain current fixed asset data in Excel format	Week 1
➤ Confirm Deliverables	Week 1
➤ Develop inventory schedule	Week 1
Task 2 Asset Inventory & Verification	
➤ Perform site inventory	Week 3-5
➤ Record asset location data elements (site/building/room)	Week 3-5
➤ Record pertinent asset data (manufacturer, model, serial, etc.)	Week 3-5
➤ Record existing tag or apply barcode tag	Week 3-5
➤ Include licensed vehicles based on District provided information	Week 3-5
➤ Assign original cost based on data match to District information	Week 6-8
➤ Develop original cost (when not provided)	Week 6-8
➤ Assign normal life	Week 6-8
Task 4 Deliverables	
➤ Perform data match to District provided fixed asset data	Week 9
➤ Preliminary reports (Exceptions)	Week 10
➤ Review preliminary reports	Week 11-12
➤ Prepare final report	Week 13
➤ Master data file	Week 13

Asset Inventory and Verification-Machinery, Furniture & Equipment

A detailed inspection and field inventory will be conducted at all buildings, identifying each asset by location, building and room. The on-site asset inventory and verification will:

- Verify asset existence based on scanned re-inventory
- Confirm asset location to the site/building/room level
- Confirm custodial responsibility
- Identify unrecorded assets such as additions, retirements and transfers
- Verify asset status and condition

All assets included in our inventory and appraisal will be recorded and categorized by major account. This segregation of items will assist in reporting asset valuation totals for capital asset reporting formats. Our appraisers will utilize hand held computers equipped with laser scanners to verify the asset data and record any missing information including the following data:

- | | |
|--------------------------------|-----------------------------------|
| a. Asset Identification Number | i. Building |
| b. Description | j. Site/Location |
| c. Quantity | k. Room/Sublocation |
| d. Acquisition Date | l. Cost Information |
| e. Manufacturer | m. Funding Source |
| f. Model | n. Department |
| g. Serial Number | o. Normal Useful Life |
| h. Asset Account | p. Miscellaneous (e.g. old tag #) |

Barcode Tagging- AssetWorks LLC appraisers will record the existing tag number or apply a bar code tag and enter the tag numbers along with all the corresponding asset information into the database. Our base fee includes the cost of all tags necessary for the inventory.

Excluded

Buildings, land, land improvements and assets with a unit cost less than \$500 (including Ipads) will be excluded from our service.

COSTING & VALUATION METHODOLOGY

The offsite valuation portion of the project entails the research and calculations necessary to formulate historic costs. The project manager and quality control supervisor work hand-in-hand to ensure the integrity of the data. The focus is on completeness, accuracy and proper formatting of all data prior to final processing and delivery.

Our investigation of the property will follow generally accepted appraisal techniques and will include the use of specific techniques necessary to develop valid and acceptable original cost and date of acquisition for each asset. This includes use of the straight-line method of depreciation. We will determine original cost by using the following costing methods:

Direct Costing method will be used where historical data is readily available from District records. The actual purchase cost and acquisition date will be maintained for those assets. While AssetWorks LLC is not proposing a detailed line-by-line reconciliation, our staff will work with records as provided by the District to tie back original cost and dates of acquisition on recent acquisitions.

Standard Costing is used when inventoried property units/groups not reconciled to a historical record receive an estimated cost, where possible, based upon a standard cost (a known average installed cost for a like unit) at the estimated acquisition date.

Normal Costing method will be used where no historical information is readily available. These assets will be valued on a current basis and back-trended to an estimated date of acquisition to estimate the original cost. During the costing and valuation procedures, all items will be assigned a useful life. The useful life of an item will determine its approximate replacement year.

During the course of the valuation research, our appraisers will examine all assets to determine original cost, defined as follows:

ORIGINAL COST is the amount originally paid to acquire the asset, including such cost as set-up charges; transportation; taxes; engineering and architectural fees; and title insurance. If an asset was donated or bought for a nominal sum, GAAP requires that the asset be accounted for at market value as of the date of acquisition.

PROJECT DELIVERABLES

Reports will be presented in an easy-to-read format and include asset exception reports, draft reports, final detail summary reports as well as a master data file. A narrative section that will certify our inventory and valuation and document our procedures will precede your reports. Reports will include:

Reconciliation Process

Throughout the inventory process, the inventory data is analyzed for discrepancies and inventory exceptions. Upon completion of the onsite fieldwork and offsite valuations, a data match comparing the existing District provided fixed asset database to the database of information recorded during the onsite fieldwork will occur resulting in the following reports:

- Inventoried Assets-“Matches”
- Unrecorded Additions
- Unrecorded Retirements

Preliminary Reports

Draft Summary and detail reports will be sent via email in .pdf format for review. We provide two weeks from the point of issuance to determine acceptability of the final data. Upon acceptance, AssetWorks LLC will then prepare and deliver final reports in electronic and hard-copy format.

Final Reports

One original of the final report will be provided in hardcopy format. Our conclusions will assist the District with meeting the financial reporting requirements of GASB 34, external audit requirements and accountability and stewardship of District assets. Final Reports will include:

Final reports will include:

Accounting Reports

- Property Accounting Summary
- Property Accounting Ledger/Detail
- Property Accounting Summary Year-To-Date Depreciation
- Property Accounting Ledger/Detail Year-To-Date Depreciation
- Net Changes Summary – Depreciation by Program

Electronic Reports

- MASTER DATA FILE (EXCEL FORMAT)

PROJECT FEES & AUTHORIZATION

AssetWorks fees are based on the square footage provided and include out-of-pocket expenses. Please return a copy of this executed agreement to the attention of the undersigned via email at greg.friz@assetworks.com.

		Authorization
Fixed Asset Inventory Services	\$46,500	_____

AssetWorks LLC will invoice the District 70% of fees at completion of our field work portion of the project with the final contract amount invoiced with our draft reports. Invoices are due within 30 days of receipt. We look forward to working with you on this important project.

RESPECTFULLY OFFERED BY:

ACCEPTED BY:

AssetWorks LLC

Oxnard School District



Signature: _____

Name: Lisa A. Franz

Gregory N. Friz , Managing Director
July 28, 2016

Title: Director, Purchasing

Date: _____

ADDENDUM A-REFERENCES

During the past two decades, AssetWorks staff has provided fixed asset management and inventory services to thousands of educational entities nationwide. Recent clients served by the AssetWorks team similar in scope include:

Santa Ana Unified School District	Oakland Unified School District
Santa Ana, CA	Oakland, CA
Contact: Mr. Jon Geiszler	Contact: Ronald Williams
Phone: (714) 558-5624	Phone: (510) 761-5329
Email: jonathon.geiszler@sausd.us	Email: Ronald.williams@ousd.k12.ca.us
Fixed asset inventory & management services in 2012 and 2015	Fixed asset inventory, verification & reconciliation
Chula Vista Elementary School District	San Bernardino Unified School District
Chula Vista, CA	San Bernardino, CA
Contact: Bernadette Faustino	Contact: Jim Cunningham
Phone: (619) 425-9660 x1383	Phone: (909) 381-1152
Email: Bernadette.faustino@cvesd.org	Email: jim.cunningham@sbcusd.com
Asset inventory since 2015	Fixed asset inventory & verification services in 2010 and scheduled in 2015

ADDENDUM B-TERMS AND CONDITIONS

- 1) AssetWorks LLC shall provide guidance to the District in determining the data required for purposes of the contemplated services. The District further agrees to provide all data specifically requested, including documentation and information to AssetWorks LLC in a timely manner. AssetWorks LLC shall assume without incurring liability therefore, that all data so provided is correct and complete.
- 2) In the event that the District provides additional and/or corrected data, documentation and information at a later date, AssetWorks LLC's efforts with respect to such additional and/or corrected data, documentation and information shall be deemed additional services and compensated in addition to the fees set forth herein based on applicable hours, professional fees and expenses.
- 3) The District acknowledges project completion upon delivery of final reports. Final report delivery occurs only upon either acceptance of the preliminary reports data by the District or upon the passing of the two-week (10 business days) period of time after preliminary report delivery, whichever comes first.
- 4) The fees proposed in this contract are valid for a period of 90 days.
- 5) To the extent a claim is not covered by the required insurance, each party agrees that each party's total liability for any and all damages whatsoever arising out of or in any way related to this Agreement from any cause, including but not limited to negligence, errors, omissions, strict liability, breach of contract or breach of warranty shall not, in the aggregate, exceed the total amount of this Agreement. To the extent a claim is covered by the required insurance, each party's total liability will be limited to the amount of required insurance.
- 6) The District and AssetWorks LLC shall each retain ownership of, and all right, title and interest in and to, their respective pre-existing Intellectual Property, and no license therein, whether express or implied, is granted by this Agreement or as a result of the Services performed hereunder. To the extent the parties wish to grant to the other rights or interests in pre-existing Intellectual Property, separate license agreements on mutually acceptable terms will be executed.
- 7) AssetWorks LLC will invoice the District for 70% of fees prior to start of the fieldwork portion of the project with the final contract amount invoiced with issuance of draft reports. Invoices are due within 30 days of receipt, and past due amounts may be subject to late fees of 1½ percent per month.

OSD BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 9/7/16

- A. Preliminary Study Session: _____
- B. Hearing: _____
- C. Consent Agenda _____ Agreement Category:
_____ Academic
_____ Enrichment
_____ Special Education
 X Support Services
_____ Personnel
_____ Legal
_____ Facilities
- D. Action Items _____
- E. Report/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

**Approval of Agreement #16-108 – New Dawn Counseling & Consulting Inc.
(Freeman/Ridge)**

New Dawn Counseling & Consulting Inc. will work in conjunction with school administrators to provide mental health services as indicated by the Accion Positiva Elementary Counseling Grant. New Dawn Counseling & Consulting Inc. will follow District policies and procedures within the Accion Positiva program to support the academic, social, emotional, and behavioral development of all students.

FISCAL IMPACT:

Not to exceed \$700,000.00 – Federal Counseling Grant (General Fund)

RECOMMENDATION:

It is recommended by the Director, Pupil Services, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-108 with New Dawn Counseling & Consulting Inc.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-108, New Dawn Counseling & Consulting Inc. (4 Pages)
Certificate of Insurance (2 Pages)

AGREEMENT #16-108

BETWEEN

NEW DAWN COUNSELING AND CONSULTING INC.

AND

OXNARD SCHOOL DISTRICT (OSD)

Purpose: The purpose of this agreement is for New Dawn Counseling and Consulting Inc., to work in conjunction with school administrators to provide mental health services as indicated by the Accion Positiva- Elementary Counseling Grant. New Dawn Counseling and Consulting Inc. will respect and work in conjunction with the school staff, District policies and procedures within the Accion Positiva program to support the academic, social, emotional and behavioral development of all students.

Term: The term of this agreement shall commence September 8, 2016 and shall terminate June 30, 2017.

In consideration of the services specified, Oxnard School District agrees to pay New Dawn Counseling and Consulting Inc. Counseling and Consulting Inc. a sum not to exceed \$700,000.00 over the one year performance term.

New Dawn Counseling and Consulting Inc. agrees to submit a budget specifying the expenditure plan for the services and will submit periodic financial reports detailing actual budgeted expenses.

Compensation and Terms of Payment

Costs are based on information available at the time of Board approval and the anticipated scope of work.

Any changes in the scope of the work once this MOU has been agreed upon may affect the program schedule, deliverables and budgeted costs. Changes to the scope of work must be confirmed in writing by Addendum and agreed to by both parties.

Hourly Fees: New Dawn Counseling and Consulting Inc. will bill for services at an hourly rate of \$140 per hour. Incremental time will be billed in 15 minute segments.

Billing backup documentation: New Dawn Counseling and Consulting Inc. agrees to provide activity logs as appropriate documentation to substantiate billing.

Billings: An invoice will be issued by New Dawn Counseling and Consulting Inc. by the 5th of each month for the work done and expenses incurred. OSD agrees that during the first 120 days, billings may be issued every two weeks to expedite payment. Invoices will be hand-delivered to the OSD business office or mailed.

Payments: Invoices are payable within 30 business days of the date on the invoice. Work on the program may be suspended if payments are overdue.

Payment method: OSD will pay New Dawn Counseling and Consulting Inc. by check. Credit card payment facilities are not available. OSD agrees to remit payment within thirty (30) business days of receipt of invoice.

Description of Services:

Oxnard School District agrees to the following:

1. Work collaboratively with Provider staff to reduce barriers to identification and treatment of mental illness.

New Dawn Counseling and Consulting Inc. agrees to the following:

1. To provide services to students and their families as identified within the grant program by Licensed Marriage, Family Therapists and/or Licensed Clinical Social Workers registered with the California State Board of Behavioral Science Examiners.

2. To respect and work in conjunction with designated schools and with District policies and procedures in a shared leadership approach to ensure that Accion Positiva goals are achieved.

New Dawn Counseling and Consulting Inc. and OSD agree to meet on an ongoing basis to discuss concerns related to this agreement, including but not limited to concerns regarding services and outcomes, operations, documentation and reporting requirements and financial status.

Insurance and Health

- New Dawn Counseling and Consulting Inc. accepts liability for any and all costs actually incurred in paying any claims for worker's compensation injury or illness for any Intern covered by this agreement. MFT's or LCSW's filing worker's compensation claims will file such claims directly with New Dawn Counseling and Consulting Inc. and its insurance carrier.
- New Dawn Counseling and Consulting Inc. will name the Oxnard School District as additionally insured in New Dawn Counseling and Consulting Inc.'s liability insurance and will provide proof of such an endorsement. New Dawn Counseling and Consulting Inc. will also provide a certificate of insurance to the District.
- For each MFT or LCSW, New Dawn Counseling and Consulting Inc. will furnish the District with evidence of fingerprinting registered with the appropriate agency and cleared TB testing.

Confidentiality

Under the State and Federal law, the contents of counseling sessions held in schools by the MFT or LCSW counselors are confidential. By law, exceptions to confidentiality are made only when the child is in danger to him/herself or others, or in cases of child abuse. The MFT or LCSW can communicate with the school

contact person if the student and parents/guardians sign a Release of Information.

Specific parent consent must be obtained in order for the MFT or LCSW to discuss any concern or issue with school personnel.

Termination: Either party may terminate this agreement without cause upon thirty (30) days written notice.

Authorized Approval:

NEW DAWN COUNSELING AND CONSULTING INC.:

Signature

Date

Cynthia Torres, CEO, New Dawn Counseling and Consulting Inc.

Typed Name/Title

OXNARD SCHOOL DISTRICT:

Signature

Date

Lisa A. Franz, Director, Purchasing

Typed Name/Title



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
08/09/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Francisco Arrieta Insurance Francisco Arrieta-Broker Lic DOI#0H145345 6928 Owensmouth Ave Suite 101 Canoga Park CA 91303	CONTACT NAME: Francisco Arrieta PHONE (A/C, No, Ext): (818) 746-2911 E-MAIL ADDRESS: info@fainsureme.com	FAX (A/C, No): (818)340-5535
	INSURER(S) AFFORDING COVERAGE INSURER A : Colony Special Insurance Co.	
INSURED Cynthia Torres DBA- New Dawn Counseling & Consultation 2800 Camino Dos Rios Suite 101A Newbury Park CA 91320	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	


COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
X	GENERAL LIABILITY	X	APA242776	07/13/2016	07/13/2017	EACH OCCURRENCE \$ 3,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY					DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR					MED EXP (Any one person) \$ 5,000
	<input checked="" type="checkbox"/> Abuse/Molestation					PERSONAL & ADV INJURY \$ 3,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC					GENERAL AGGREGATE \$ 5,000,000
	AUTOMOBILE LIABILITY					PRODUCTS - COMP/OP AGG \$ 3,000,000
	<input type="checkbox"/> ANY AUTO					COMBINED SINGLE LIMIT (Ea accident) \$
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per person) \$
	<input type="checkbox"/> HIRED AUTOS	<input type="checkbox"/> NON-OWNED AUTOS				BODILY INJURY (Per accident) \$
	UMBRELLA LIAB	<input type="checkbox"/> OCCUR				PROPERTY DAMAGE (Per accident) \$
	EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE				\$
	DED	RETENTION \$				EACH OCCURRENCE \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	<input type="checkbox"/> Y / <input type="checkbox"/> N	N/A			AGGREGATE \$
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)					WC STATU-TORY LIMITS
	If yes, describe under DESCRIPTION OF OPERATIONS below					OTH-ER
						E.L. EACH ACCIDENT \$
						E.L. DISEASE - EA EMPLOYEE \$
						E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Certificate Holder is Additional Insured per the attached endorsement CG011 1/96

CERTIFICATE HOLDER Oxnard School District 1051 South A Street Oxnard CA 93030	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
---	--

POLICY NUMBER: APA242776

COMMERCIAL GENERAL LIABILITY
CG 20 10 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – SCHEDULED PERSON OR
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location(s) Of Covered Operations
Oxnard School District 1051 South A Street Oxnard, CA 93030	
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

OSD BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 9/7/16

- A. Preliminary Study Session: _____
- B. Hearing: _____
- C. Consent Agenda _____ **Agreement Category:**
 - _____ Academic
 - _____ Enrichment
 - _____ Special Education
 - X Support Services
 - _____ Personnel
 - _____ Legal
 - _____ Facilities
- D. Action Items _____
- E. Report/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

**Approval of Agreement #16-109 – New Dawn Counseling & Consulting Inc.
(Freeman/Ridge)**

The purpose of the MOU is to provide Oxnard School District students, families, and staff with information and education regarding Ventura County’s Behavioral Health Prevention and Early Intervention (PEI) Triple P (Positive Parenting Program). New Dawn Counseling & Consulting Inc. will respect and work in conjunction with the designated schools as identified by the Oxnard School District representative. The Clinical Supervisor and/or Counseling Programs Manager will maintain ongoing communication with relevant school personnel as needed. In addition, New Dawn Counseling & Consulting Inc. will provide individual and group supervision by a licensed Clinical Supervisor to the Marriage Family Therapist Registered Intern Therapist.

FISCAL IMPACT:

No charge to the Oxnard School District.

RECOMMENDATION:

It is recommended by the Director, Pupil Services, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-109 with New Dawn Counseling & Consulting Inc.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-109, New Dawn Counseling & Consulting Inc. (2 Pages)
Certificate of Insurance (2 Pages)

MEMORANDUM OF UNDERSTANDING #16-109

NEW DAWN COUNSELING AND CONSULTING, INC.

AND

OXNARD SCHOOL DISTRICT

This agreement is entered into by New Dawn Counseling and Consulting, Inc. and the Oxnard School District and the parties mutually agree to the following:

NEW DAWN COUNSELING & CONSULTING INC. WILL PROVIDE THE FOLLOWING SERVICES AT THE SCHOOLS:

- Ventura County's Behavioral Health Prevention and Early Intervention (PEI) Triple P (Positive Parenting Program) services in partnership with OSD.
- Provide information and education regarding the Triple P program to students, families and staff.
- Respect and work in conjunction with the designated schools as identified by the OSD representative in order to facilitate referrals and services.
- Follow and adhere to District policies and procedures.
- The Clinical Supervisor and/or Counseling Programs Manager will maintain ongoing communication with relevant school personnel as needed.
- New Dawn will provide individual and group supervision by a licensed Clinical Supervisor to the Marriage Family Therapy Registered Intern therapist.

INSURANCE AND HEALTH

- New Dawn accepts liability for any and all costs actually incurred in paying any claims for worker's compensation injury or illness for any therapist covered by this agreement. Therapists filing worker's compensation claims will file such claims directly with New Dawn and its insurance carrier.
- New Dawn will name the Oxnard School District as additionally insured in New Dawn's liability insurance and will provide proof of such an endorsement. New Dawn will also provide a certificate of insurance to the District.
- For each therapist, New Dawn will furnish the District with evidence of fingerprinting registered with the appropriate agency as requested.

• **OXNARD SCHOOL DISTRICT WILL PROVIDE:**

- A contact person, such as the Principal or Outreach Specialist, at each school site to whom the therapist will be responsible.
- Adequate and confidential office space within each school site for the therapist to provide the above services.

CONFIDENTIALITY

Under the State and Federal law, the contents of counseling sessions held in schools by the Marriage and Family therapists are confidential. By law, exceptions to confidentiality are made only when the child is in danger to him/herself or others, or in cases of child abuse. The therapist can communicate with the school contact person if the student and parents/guardians sign a Release of Information. Specific parent consent must be obtained in order for the therapist to discuss any concern or issue with school personnel.

TERM: The term of this MOU shall commence September 8, 2016 to June 30, 2019.

COMPENSATION: The Oxnard Elementary School District **will not be charged for the services** provided by New Dawn for this program.

This agreement may be renegotiated at any time upon the initiation of the Oxnard School District or New Dawn, Inc.

Authorized Approval:

NEW DAWN COUNSELING AND CONSULTING INC.:

Signature

Date

Cynthia Torres, CEO, New Dawn Counseling and Consulting Inc.
Typed Name/Title

OXNARD SCHOOL DISTRICT:

Signature

Date

Lisa A. Franz, Director, Purchasing
Typed Name/Title



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
08/09/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Francisco Arrieta Insurance Francisco Arrieta-Broker Lic DOI#0H145345 6928 Owensmouth Ave Suite 101 Canoga Park CA 91303	CONTACT NAME: Francisco Arrieta	
	PHONE (A/C, No, Ext): (818) 746-2911	FAX (A/C, No): (818)340-5535
	E-MAIL ADDRESS: info@fainsureme.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Colony Special Insurance Co.	
INSURED Cynthia Torres DBA- New Dawn Counseling & Consultation 2800 Camino Dos Rios Suite 101A Newbury Park CA 91320	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
X	GENERAL LIABILITY	X	APA242776	07/13/2016	07/13/2017	EACH OCCURRENCE \$ 3,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY					DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR					MED EXP (Any one person) \$ 5,000
	<input checked="" type="checkbox"/> Abuse/Molestation					PERSONAL & ADV INJURY \$ 3,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC					GENERAL AGGREGATE \$ 5,000,000
						PRODUCTS - COMP/OP AGG \$ 3,000,000
	AUTOMOBILE LIABILITY					COMBINED SINGLE LIMIT (Ea accident) \$
	<input type="checkbox"/> ANY AUTO					BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per accident) \$
	<input type="checkbox"/> HIRED AUTOS	<input type="checkbox"/> NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident) \$
						\$
	UMBRELLA LIAB					EACH OCCURRENCE \$
	<input type="checkbox"/> OCCUR					AGGREGATE \$
	EXCESS LIAB					\$
	<input type="checkbox"/> CLAIMS-MADE					\$
	DED	RETENTION \$				\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY					WC STATU-TORY LIMITS
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input type="checkbox"/> Y <input type="checkbox"/> N	N/A			OTHER
	If yes, describe under DESCRIPTION OF OPERATIONS below					E.L. EACH ACCIDENT \$
						E.L. DISEASE - EA EMPLOYEE \$
						E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Certificate Holder is Additional Insured per the attached endorsement CG011 1/96

CERTIFICATE HOLDER	CANCELLATION
Oxnard School District 1051 South A Street Oxnard CA 93030	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

POLICY NUMBER: APA242776

COMMERCIAL GENERAL LIABILITY
CG 20 10 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – SCHEDULED PERSON OR
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location(s) Of Covered Operations
Oxnard School District 1051 South A Street Oxnard, CA 93030	
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

OSD BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 9/7/16

- A. Preliminary Study Session: _____
- B. Hearing: _____
- C. Consent Agenda _____ Agreement Category:
 - _____ Academic
 - _____ Enrichment
 - _____ Special Education
 - X Support Services
 - _____ Personnel
 - _____ Legal
 - _____ Facilities
- D. Action Items _____
- E. Report/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

**Approval of Agreement #16-111 – New Dawn Counseling & Consulting Inc.
(Freeman/Ridge)**

The purpose of this MOU is to provide licensed Marriage, Family Therapist Interns (MFT), registered with the California State Board of Behavioral Science Examiners to work in conjunction with school administrators and Outreach Specialists to provide mental health services as requested by the parent/guardian to clients attending that particular school. Consultant will also provide individual and group supervision by a licensed Clinical Supervisor to the MFT Intern. The MFT Intern will respect and work in conjunction with the school and District policies and procedures. The clinical supervisor and/or Counseling Center Manager will maintain ongoing communication with relevant school personnel as needed.

FISCAL IMPACT:

No charge to the Oxnard School District.

RECOMMENDATION:

It is recommended by the Director, Pupil Services, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-111 with New Dawn Counseling & Consulting Inc.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-111, New Dawn Counseling & Consulting Inc. (3 Pages)
Certificate of Insurance (2 Pages)

Memorandum of Understanding #6-111

New Dawn Counseling and Consulting Inc.

and

Oxnard School District

Purpose: The purpose of this MOU is to provide licensed Marriage, Family Therapists and/or Marriage, Family Therapist Interns (MFT) or Masters in Work Interns (MSW), registered with the California State Board of Behavioral Science Examiners to work in conjunction with school administrators and Outreach Specialists to provide mental health services as requested by the parent/guardian of the clients attending that particular school. New Dawn Counseling & Consulting Inc. will provide individual and group supervision by a licensed Clinical Supervisor to the MFT/MSW Intern. The MFT/MSW Intern will respect and work in conjunction with the school staff and District policies and procedures. The Clinical Supervisor and/or Counseling Programs Manager will maintain ongoing communication with relevant school personnel as needed.

Term: The term of this MOU shall commence September 8, 2016 and shall terminate June 30, 2017.

Compensation: The Oxnard School District will not be charged for the services provided by New Dawn Counseling & Consulting Inc.

Description of Services:

A. Oxnard School District agrees to the following:

1. Provide a contact person such as the Principal, Assistant Principal, or Outreach Specialist (under the supervision of site administrator) to whom the MFT or MFT/MSW Intern will be responsible.

2. Provide adequate, confidential office space within the school for the MFT/MSW Intern to provide the above services during school hours of operation.

B. New Dawn Counseling & Consulting Inc. agrees to the following:

1. Provide licensed Marriage, Family Therapists and/or Marriage, Family Therapist Interns (MFT), or Masters in Social Work Interns (MSW) registered with the California State Board of Behavioral Science Examiners to work in conjunction with Ventura County Behavioral health and OSD school administrators, teachers and Outreach Specialists to provide specialty mental health services as requested by the parent/guardian of clients attending that particular school.
2. Provide individual and group supervision by a licensed Clinical Supervisor to the MFT/MSW Intern as required by California regulations.
3. The MFT and/or MFT/MSW Intern will respect and work in conjunction with the School District policies and procedures.
4. The Clinical Supervisor and/or Counseling Programs Manager will maintain ongoing communication with relevant school personnel as needed.

INSURANCE AND HEALTH

- New Dawn Counseling & Consulting Inc. accepts liability for any and all costs actually incurred in paying any claims for worker's compensation injury or illness for any Intern covered by this agreement. MFT and MFT/MSW Interns filing worker's compensation claims will file such claims directly with New Dawn and its insurance carrier.
- New Dawn Counseling & Consulting Inc. will name the Oxnard School District as additionally insured in New Dawn's liability insurance and will provide proof of such an endorsement. New Dawn Counseling & Consulting Inc. will also provide a certificate of insurance to the District.

- For each MFT and MFT/MSW Intern, New Dawn Counseling & Consulting Inc. will furnish the District with evidence of fingerprinting registered with the appropriate agency and cleared TB testing.

CONFIDENTIALITY

Under the State and Federal law, the contents of counseling sessions held in schools by the MFT and MFT/MSW Intern counselors are confidential. By law, exceptions to confidentiality are made only when the child is in danger to him/herself or others, or in cases of child abuse. The MFT or MFT/MSW Intern can communicate with the school contact person if the student and parents/guardians sign a Release of Information.

Specific parent consent must be obtained in order for the MFT or MFT/MSW Intern to discuss any concern or issue with school personnel.

Termination: Either party may terminate this MOU without cause upon thirty (30) days written notice.

AUTHORIZED APPROVAL:

NEW DAWN COUNSELING AND CONSULTING INC.:

Signature

Date

Cynthia Torres, CEO

Typed Name/Title

OXNARD SCHOOL DISTRICT:

Signature

Date

Lisa A. Franz, Director, Purchasing

Typed Name/Title



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
08/09/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Francisco Arrieta Insurance Francisco Arrieta-Broker Lic DOI#0H145345 6928 Owensmouth Ave Suite 101 Canoga Park CA 91303	CONTACT NAME: Francisco Arrieta PHONE (A/C, No, Ext): (818) 746-2911 E-MAIL ADDRESS: info@fainsureme.com	FAX (A/C, No): (818)340-5535
	INSURER(S) AFFORDING COVERAGE INSURER A : Colony Special Insurance Co.	
INSURED Cynthia Torres DBA- New Dawn Counseling & Consultation 2800 Camino Dos Rios Suite 101A Newbury Park CA 91320	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	


COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
X	GENERAL LIABILITY	X	APA242776	07/13/2016	07/13/2017	EACH OCCURRENCE \$ 3,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY					DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR					MED EXP (Any one person) \$ 5,000
	<input checked="" type="checkbox"/> Abuse/Molestation					PERSONAL & ADV INJURY \$ 3,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC					GENERAL AGGREGATE \$ 5,000,000
	AUTOMOBILE LIABILITY					PRODUCTS - COMP/OP AGG \$ 3,000,000
	<input type="checkbox"/> ANY AUTO					COMBINED SINGLE LIMIT (Ea accident) \$
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per person) \$
	<input type="checkbox"/> HIRED AUTOS	<input type="checkbox"/> NON-OWNED AUTOS				BODILY INJURY (Per accident) \$
	UMBRELLA LIAB	<input type="checkbox"/> OCCUR				PROPERTY DAMAGE (Per accident) \$
	EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE				\$
	DED	RETENTION \$				EACH OCCURRENCE \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	<input type="checkbox"/> Y / <input type="checkbox"/> N	N/A			AGGREGATE \$
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)					WC STATU-TORY LIMITS
	If yes, describe under DESCRIPTION OF OPERATIONS below					OTH-ER
						E.L. EACH ACCIDENT \$
						E.L. DISEASE - EA EMPLOYEE \$
						E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Certificate Holder is Additional Insured per the attached endorsement CG011 1/96

CERTIFICATE HOLDER Oxnard School District 1051 South A Street Oxnard CA 93030	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
---	--

POLICY NUMBER: APA242776

COMMERCIAL GENERAL LIABILITY
CG 20 10 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – SCHEDULED PERSON OR
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location(s) Of Covered Operations
Oxnard School District 1051 South A Street Oxnard, CA 93030	
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

BOARD AGENDA ITEM

Name of Contributor(s): Dr. Morales/Lisa Cline

Date of Meeting: 9/7/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT AGENDA X

Agreement Category:
_____ Academic
_____ Enrichment
_____ Special Education
_____ Support Services
_____ Personnel
_____ Legal
_____ Facilities

SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES _____

1st Reading _____ 2nd Reading _____

Authorize Superintendent to Accept a Soil Management Plan for the Lemonwood Elementary School Site as Approved by the DTSC (Morales/Cline/CFW)

The construction of the new Lemonwood school is occurring over two phases. The required California Department of Toxic Substances Control (DTSC) reports for the initial construction area have been completed and approved by the DTSC. As required by the DTSC, a Preliminary Environmental Assessment (PEA) report has been prepared for the remainder of the Lemonwood site (Phase 2 of the Construction). The PEA report, as accepted by DTSC, recommends that a Soil Management Plan be prepared in conjunction with a Land Use Covenant for the property.

The plan will require DTSC review and approval and will detail actions to be undertaken whenever soils at the site are disturbed during both planned and unplanned future construction activities. The Soil Management Plan is a tool for contractors to utilize when performing activities that intrude into the soil such as excavation, grading, and utility installation. The plan provides guidance regarding how to handle contaminated soil that may be encountered, as well as how to identify, sample, and properly dispose of contaminated soil as required.

A draft Soil Management Plan has been prepared and submitted to the DTSC for review and approval and is attached for Board review. It is anticipated that the final DTSC approved Soil Management Plan will be consistent with the attached draft.

FISCAL IMPACT

None

RECOMMENDATION

It is the recommendation of the Superintendent and the Deputy Superintendent, Business and Fiscal Services, in conjunction with Caldwell Flores Winters, that the Board of Trustees authorize the Superintendent to accept the final Soil Management Plan for the Lemonwood Elementary School Site as approved by the DTSC.

ADDITIONAL MATERIAL(S):

- Draft Soil Management Plan (111 pages)



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

25 Cupania Circle
Monterey Park, CA 91755
Telephone 323-517-9780
Fax 323-517-9781
www.atcgroupservices.com

August 10, 2016

Oxnard School District
1051 South A Street
Oxnard, CA 93030

SUBJECT **Soil Management Plan**
Lemonwood Elementary School – Phase 2 Construction Area
2200 Carnegie Court
Oxnard, California
ATC Project No. 1011600537

To whom it may concern,

As recommended in ATC Group Services LLC's (ATC's) *Preliminary Endangerment Assessment (PEA) Report*, dated July 5, 2016, ATC has prepared this Soil Management Plan (SMP) to attempt to mitigate potential risks to human health and the environment in the event of future construction and/or land improvement activities at the site. Soil beneath the site has been shown to contain residual concentrations of pesticides which are believed to have originated during historical agricultural usage of the site. The Department of Toxic Substances Control (DTSC) has determined that adherence to this SMP and the completion of a Land Use Covenant Agreement restricting usage of the site to non-residential purposes are satisfactory to mitigate potential hazards associated with residual pesticide concentrations at the site.

OBJECTIVE

The primary objective of this SMP is to provide protocols for the management of soil potentially contaminated with residual amounts of pesticides, and covers soils within the Phase 2 Construction Area (defined as the entire site other than the Phase 1 Construction Area shown on Figure 1), regardless of depth. This SMP is a tool for contractors to utilize when performing activities that intrude into the soil at the site, such as excavation, grading, and utility installation. This SMP provides guidance regarding how to handle contaminated soil that may be encountered, as well as how to identify, sample, and properly dispose of contaminated soil within the project area, and what personal protective equipment (PPE) is appropriate for site workers coming into contact with potentially contaminated soil.

BACKGROUND

The property consists of a rectangular-shaped, 9.87-acre parcel of land, which is currently utilized as an elementary school. The surrounding area is residential, with Lemonwood Park directly east of the site and residential housing to the north. San Mateo Place borders the property to the south and Carnegie Court borders the property to the west.

The site was previously used for agriculture from at least the 1940's to the 1960's. Agricultural use at the site was discontinued when the Lemonwood area was first developed for residential use in the late 1960's; the school site remained vacant and undeveloped until 1981, when it was developed into a school. An abandoned oil well is present at the east side of Lemonwood Park. The well was drilled in 1959 and was operated by several different entities until 1979, when it was idled due to declining production. The well was subsequently abandoned in 1990.

Two previous site assessments were conducted by Earth Systems Pacific in May and November 2013. Soil was analyzed for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), polynuclear

aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), organochlorine pesticides (OCPs), metals, and asbestos. Diesel-range and oil-range hydrocarbons (TPHd and TPHo, respectively) were detected in samples from the area west of the former oil well. Gasoline-range hydrocarbons (TPHg), VOCs, PAHs, PCBs, and asbestos were not detected during the sampling event. Dieldrin was detected in imported fill soil located on the property. The report recommended that additional assessment should be conducted under the oversight of the DTSC School Property Evaluation and Cleanup Division.

In October 2015 and January 2016, Cardno ATC (now ATC) conducted additional soil sampling in the Phase 1 Construction Area, and soil vapor, groundwater, and soil sampling near the abandoned oil well east of the site. Soil vapor, groundwater, and soil data collected near the abandoned oil well indicated a lack of contamination in that area. Within the Phase 1 Construction Area, metals concentrations appeared representative of background concentrations; however, elevated concentrations of OCPs were detected. ATC's PEA report recommended dust suppression as an appropriate approach to address soil contamination in the Phase 1 Construction Area.

In May 2016, ATC conducted additional soil sampling in the Phase 2 Construction Area, during which time a total of 64 soil borings (SB-15 through SB-78) were advanced at the site. Other than OCPs, the collected soil samples were generally non-detect for analyzed constituents, or were detected at concentrations representative of naturally-occurring background concentrations. The pesticides dieldrin and toxaphene were identified as the primary contaminants of concern (chlordane, 4,4'-DDE, and 4,4'-DDT were also detected in one or more soil samples at concentrations exceeding their respective United States Environmental Protection Agency [EPA] Regional Screening Levels [RSLs]).

SOIL MANAGEMENT PLAN

Health and Safety

Contractors performing invasive activities at the site (ex. excavation, grading, and trenching) will be required to utilize a site-specific health and safety plan (HASP) that will address individual tasks and chemical exposure scenarios as they relate to soil management practices and any planned construction and land development activities. All individuals working within close proximity of disturbed soil will be required to read and sign the HASP to acknowledge their understanding of the information. The HASP will describe hazardous conditions that may be encountered, and will prescribe the necessary safety protocols to protect employees from these hazards. The HASP will be reviewed by the project management team and then reviewed and approved for field use by the site health and safety officer or site supervisor. The HASP will be implemented and enforced by the assigned site health and safety officer or site supervisor, as appropriate.

A generalized HASP for the site has been prepared by ATC and is included as Attachment 1; however, all contractors will be required to prepare task-specific Job Hazard Analyses (JHAs) for the tasks they are going to perform (blank JHA forms are included in the HASP).

Soil Management

Based on data collected to-date, residual pesticides within the Phase 2 Construction Area are widespread and do not exhibit point-source contamination profiles (i.e. they appear to have originated from the application of pesticides, not leaking containers or intentional dumping of pesticides at the site).

Dust suppression may be necessary to reduce the spread of airborne soil particles that may contain adsorbed-phase contaminants. Whenever site soil is being removed from the work area and/or moved with heavy equipment, that soil shall be lightly sprayed with water to minimize dust. Any dirt tracked off-site due to on-site construction activities being performed at the site shall be swept up daily. Any soil stockpiles segregated on the basis of confirmed or suspected soil contamination shall be lightly sprayed with water to minimize dust, and covered with tarps or other effective covers overnight.

Equipment decontamination can be completed by scraping excess soil from larger heavy equipment such as front end loaders and backhoe buckets. Smaller hand-held equipment can be decontaminated by pressure washing and/or scrubbing with an Alconox® soap solution (or equivalent) and rinsed with clean potable water.

Contaminated soil (defined as contamination that can be identified based on staining, discoloration, presence of chemical odors, or any other factors that indicate a point source distribution pattern) is not expected to be encountered; however, if such soil, or soil suspected of being contaminated in such a manner, is encountered during site activities, the soil will be segregated and temporarily stockpiled on-site for sampling and laboratory analysis. All stockpiled soils will be covered daily with plastic sheeting.

In the event that contaminated soil is encountered, the DTSC shall be contacted prior to the soil being removed from the site. Excavated contaminated soil shall not be reworked into site soils, or used as backfill materials in any site excavations. DTSC notification is not required for the on-site reworking or off-site disposal of soil not found to be contaminated. Soil stockpiled for off-site disposal should not remain on-site for more than 90 days.

Soil Analysis and Disposal

Prior to removing any soil from the site for disposal, soil samples for waste profiling purposes shall be submitted under chain-of-custody to a California State-certified analytical laboratory. At a minimum, one four-point composite sample will be collected for every 40 cubic yards of contaminated soil being disposed of. The waste profile samples will be analyzed for total petroleum hydrocarbons by EPA Method 8015 (or equivalent) and for OCPs by EPA Method 8081A (or equivalent). Stockpiled soil shall not be disposed of until the laboratory results are received and provided to the intended landfill for profiling purposes.

Regulations have been established by the EPA and DTSC to protect human health and the environment that include the known contaminants of potential concern detected in soil at the site. Analytical results should be compared to the most recent updated versions of the EPA's and DTSC's screening levels, as appropriate. In the event that both the EPA and DTSC have established screening levels for a given constituent, the most-conservative value shall be utilized. The most-current EPA screening levels are available on-line at:

<https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-may-2016>

The most-current DTSC screening levels are available on-line at:

https://www.dtsc.ca.gov/AssessingRisk/upload/HHRA_Note_3_-2016-06.pdf

Reporting

In the event that contaminated soil is encountered, a summary report will be prepared by the contractor and/or environmental consultant that will include a description of field activities performed, a copy of the laboratory analytical report, a diagram showing where the contaminated soils originated, and disposal documentation. The summary report will include comparisons of laboratory analytical results to the then-current EPA and/or DTSC screening levels.

Reports will be submitted to DTSC within 60 days following the completion of field activities. The property owner shall maintain copies (either electronic or physical) of all submitted reports for a minimum of ten years past their date of issue, and shall make those reports available to any prospective buyers of the property within that time frame.



Miscellaneous

If the expected scope of work will require a storm water pollution prevention plan (SWPPP), excavation and shoring plan, and/or a spill contingency plan (or any similar documents), those document(s) will be prepared by a qualified individual prior to commencing with the construction activities.

CLOSING

This Soil Management Plan has been prepared for Oxnard School District for the above subject location. ATC provided these services consistent with the level and skill ordinarily exercised by members of the profession currently practicing under similar conditions. Should you have any questions or require additional information regarding this Soil Management Plan, please contact the undersigned.

Respectfully submitted,
ATC Group Services LLC

Ben Chevlen, P.G.
Program Manager
Direct Line 805 496 1217
Email: ben.chevlen@atcassociates.com

Approved by:

Xihong "Scarlett" Zhai
Project Manager
Department of Toxic Substances Control

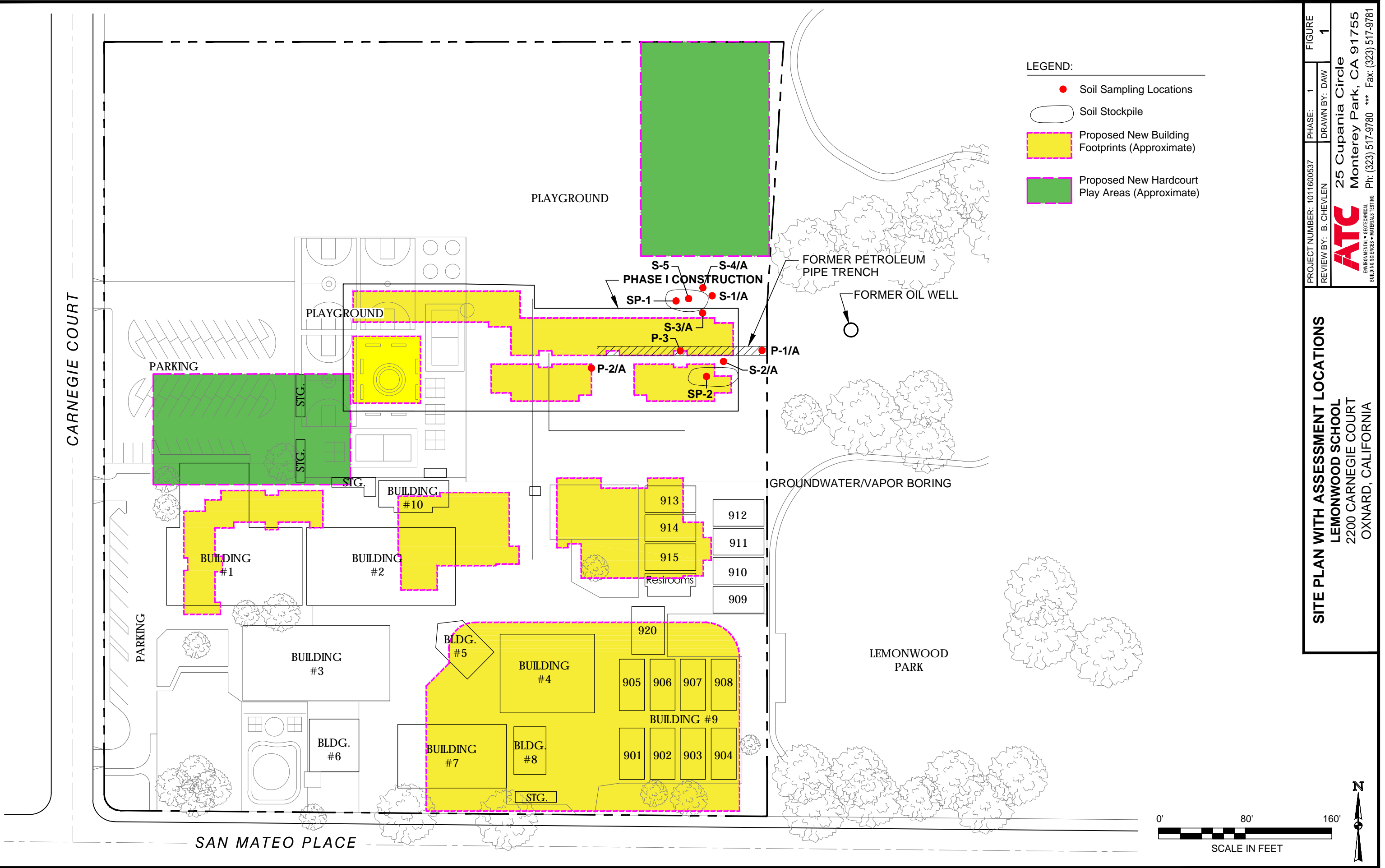
Attachments:

Figure 1 – Site Plan
Attachment 1 – Health and Safety Plan

CARNEGIE COURT

SAN MATEO PLACE

- LEGEND:
- Soil Sampling Locations
 - Soil Stockpile
 - Proposed New Building Footprints (Approximate)
 - Proposed New Hardcourt Play Areas (Approximate)



SITE PLAN WITH ASSESSMENT LOCATIONS
LEMONWOOD SCHOOL
 2200 CARNEGIE COURT
 OXNARD, CALIFORNIA

PROJECT NUMBER: 1011600537
 REVIEW BY: B. CHEVLEN
 PHASE: 1
 DRAWN BY: DAW
 FIGURE 1

ATC
 ENVIRONMENTAL • GEOTECHNICAL
 BUILDING SCIENCES • MATERIALS TESTING

25 Cupania Circle
 Monterey Park, CA 91755
 Ph: (323) 517-9780 *** Fax: (323) 517-9781





HEALTH AND SAFETY PLAN

Prepared By:
ATC Group
25 Cupania Circle
Monterey Park, CA 91755
Branch #52
Los Angeles, California



Prepared For:
Oxnard School District
Lemonwood Elementary School – Phase 2 Construction Area
2200 Carnegie Court
Oxnard, CA 93035

ATC Project No. 1011600537

**ATC GROUP SERVICES
HEALTH AND SAFETY PLAN (HASP)**

CLIENT: Oxnard School District PROJECT NUMBER: 1011600537

SITE NAME: Lemonwood Elementary School – Phase 2 Construction Area

SITE LOCATION: 2200 Carnegie Court, Oxnard, CA 93035

PROJECT DESCRIPTION: Generalized site activities which intrude into subsurface soil at the site.

PREPARED BY: **Ben Chevlen** TITLE: **Program Manager** DATE PREPARED: **8/2/2016**

Ben Chevlen
Program Manger

Signature

Date

This Health and Safety Plan (HASP) has been written for the use of the Oxnard School District and its employees and subcontractors. ATC assumes that all workers utilizing this HASP are properly trained and experienced; however, ATC does not guarantee the health or safety of any person performing work at this Site. This HASP has been prepared for the express purpose of mitigating risk associated with worker exposure to residual pesticides present in soil at the site. This HASP does not address potential hazards related to the physical activities to be performed at the site.

Due to the potential hazardous nature of this Site and the activity occurring thereon, it is not possible to discover, evaluate, and provide protection for all possible hazards which may be encountered. Strict adherence to the health and safety guidelines set forth herein will reduce, but not eliminate, the potential for injury at this Site. The health and safety guidelines in this Plan were prepared specifically for this Site and should not be used on any other Site without prior research by trained health and safety specialists.

ATC claims no responsibility for use of this Plan by others. The Plan is written for the specific Site conditions, purposes, dates, and personnel specified and must be amended if these conditions change.

TABLE OF CONTENTS

1.0 INTRODUCTION

1.1 Scope and Applicability of the Site Health and Safety Plan

2.0 TASK/OPERATION HEALTH AND SAFETY RISK ANALYSIS SUMMARY

2.1 Job Safety Analysis

3.0 PERSONAL PROTECTION EQUIPMENT

4.0 SITE SECURITY AND CONTROL

4.1 Work Zones

4.2 Site Communication

5.0 DECONTAMINATION PROCEDURES

5.1 Personnel Decontamination

5.2 Equipment Decontamination

5.3 Disposal of Decontamination Wastes

6.0 STANDARD OPERATING PROCEDURES

6.1 Personnel Precautions

6.2 Operations

7.0 CONTINGENCY PLAN

7.1 Medical Emergencies

7.2 Site Evacuation Conditions

APPENDICES

APPENDIX A - Job Safety Analysis

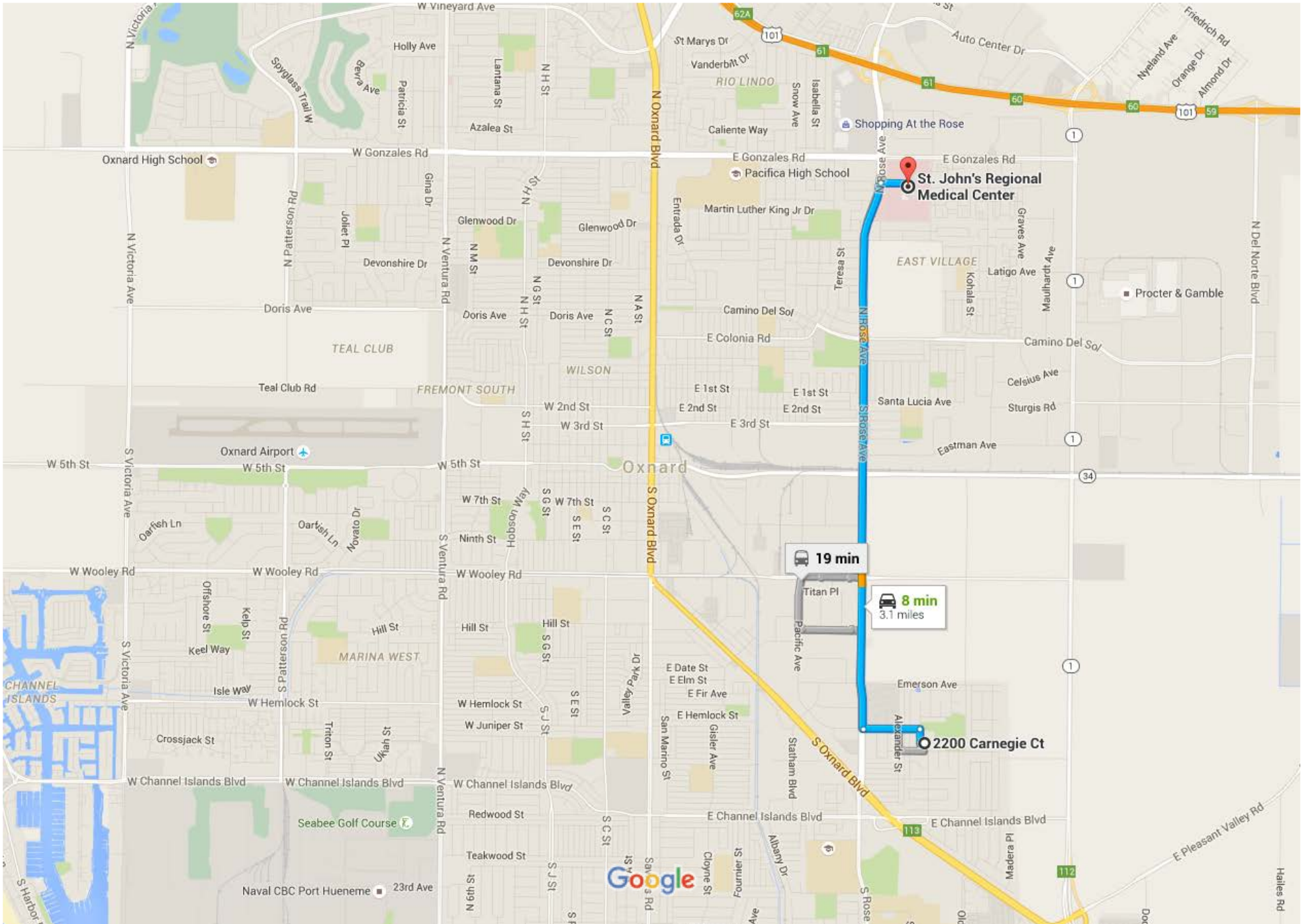
APPENDIX B - Chemical Hazard Information

APPENDIX C - List of Approved Amendments/Changes
Acknowledgement/Agreement Form
Visitors Log

EMERGENCY MEDICAL ROUTE TO HOSPITAL






St John Regional Center
1600 N. Rose Avenue
Oxnard, CA 93030

SEE MAP AND DIRECTIONS ON FOLLOWING TWO PAGES



2200 Carnegie Ct

Oxnard, CA 93033

-  1. Head north on Carnegie Ct toward Ives Ave 351 ft
-  2. Turn left onto Ives Ave 0.3 mi
-  3. Turn right onto S Rose Ave 2.6 mi
-  4. Turn right onto Mc Grath Dr W 0.1 mi
 Destination will be on the right

St. John's Regional Medical Center

1600 North Rose Avenue, Oxnard, CA 93030

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Live traffic

Fast  Slow

1.0 - INTRODUCTION

1.1 Scope and Applicability of the Site Health and Safety Plan

This HASP has been prepared by ATC for any activities that involve the disturbance of subsurface soil within the Phase 2 Construction Area of the Lemonwood Elementary School, located at 2200 Carnegie Court in Oxnard, California. The Phase 2 Construction Area is defined as the entire site except for the Phase 1 Construction Area.

The health and safety protocols established in this Plan are based on the Occupational Safety and Health Administration (OSHA) Regulations, past field experiences, specific Site conditions, and chemical hazards known or anticipated to be present from available Site data. The HASP is intended solely to address hazards associated with residual contamination previously encountered in site soil. This HASP does not cover hazards unrelated to the encountered soil contamination (ex. hazards associated with operation of heavy equipment, shoring, etc.). Specifications herein are subject to review and revision based on actual conditions encountered in the field during Site characterization activities. Such changes may be instituted by using the HASP List of Approved Amendments and/or Changes (see Appendix C).

Before Site operations begin, all employees covered by this plan (defined as those individuals working within close proximity of disturbed soil, involved in these operations will have read and understood this HASP and all revisions. All Site personnel have the authority to “Stop Work” if unsafe conditions are present or discovered during Site activities. Before work begins, all affected workers will sign the Health and Safety Plan Acknowledgment Form. By signing this form, all individuals recognize the requirements of the HASP, known or suspected hazards, and will adhere to the protocols required for the project Site.

This HASP is intended to complement, rather than supersede, any HASP prepared for the site by the Oxnard School District or any of their contractors. The scope of this HASP has been limited to the hazards associated with worker contact with pesticide-contaminated soil present at the site.

2.0 – TASK/OPERATION HEALTH AND SAFETY RISK ANALYSIS SUMMARY

This section of the HASP describes the safety and health hazards associated with the Site work and control measures selected to protect workers. The purpose of the Job Safety Analysis (JSA) is to identify the routine safety and health hazards associated with the routine Site tasks and operations. Using this information, appropriate control methods are selected to eliminate the identified risks or effectively control them.

2.1 Job Safety Analysis (JSA)

Task specific JSAs anticipated for the work are included in Appendix A. A single JSA may be used for a task/operation performed in multiple locations if the hazards, potential exposures, and controls are the same at each location.

If new JSAs or modified JSAs are required, site workers and/or contractors will consult with their management prior to proceeding. Blank JSA forms are included in Appendix A.

3.0 - PERSONAL PROTECTIVE EQUIPMENT

At a minimum, workers handling soil or cleaning off equipment covered in soil are required to wear disposable nitrile (or equivalent) gloves when in contact with site soils. Depending on the task being performed, some or all of the personal protective equipment listed below may be necessary.

- Work uniform – Long pants and shirt with sleeves (no tank tops)
- ANSI cut and abrasion resistant gloves
- Chemical-resistant boots with steel toe
- Safety glasses with side shields
- High Visibility Reflective Vest
- Hard hat
- Hearing protection

Refer to the JSA prepared for the task being performed to determine which of the above-listed additional personal protective equipment is necessary.

4.0 - SITE SECURITY AND CONTROL

4.1 Work Zones

Restricted Site areas will include, but not necessarily be limited to, the following zones:

- **Exclusion Zone or Hot Zone** - any area where contamination is either known or likely to be present in concentrations that could pose a threat to human health and safety or that potential for harm to personnel exists because of the type of work activities being conducted. Appropriate PPE and warning signs should be utilized in this area.
- **Contamination Reduction Zone** - any area where workers conduct personal and equipment decontamination.
- **Support Zone** - areas where access is controlled, but the chance to encounter hazardous materials or conditions are minimal.

Access to the work zones will be controlled by work zone delineators (e.g. traffic cones, flags, vehicles, DOT approved devices, temporary or permanent fencing, and/or safety barrier tape).

In the event on-site personnel must upgrade their personal protective equipment, the work zones may require modification in order to provide for the safety of nearby personnel not associated with this work.

4.2 Site Communication

A loud and clear form of communication should be made available for Site personnel entering the work zones. Site communication may be in the form of hand signals, voice, or other communication devices. All forms of communication should be understood by all workers on the Site prior to starting work.

5.0 - DECONTAMINATION PROCEDURES

5.1 Personnel Decontamination

All personnel must complete appropriate decontamination procedures in a way that is responsive to actual Site conditions before leaving the Site. The decontamination of personnel and equipment will be performed within the exclusion and contamination reduction zones. If warranted, wash tubs containing an appropriate decon solution and soft bristle brushes will be used to decontaminate personal protective clothing and boots. Potable water will be used for the final rinse. In general, the four types of decontamination solutions to be considered for PPE include:

- Water for removal of low-molecular weight hydrocarbons, inorganic compounds, salts, some organic acids, and other polar compounds.
- Dilute acids (vinegar) for removal of basic (caustic) compounds, amines, and hydrazines.
- Dilute bases (soaps and detergents) for removal of acidic compounds, phenols, thiols, and some nitro and sulfonic compounds.
- Organic solvents for removal of nonpolar compounds (organic).

When performing personnel decontamination activities, complete the following steps (when applicable):

- Establish a segregated equipment drop
- Remove disposable, outer boot covers, if applicable
- Remove chemical resistant, outer gloves, if applicable
- Remove hard hat and goggles, safety glasses, or face shield, if applicable
- Remove disposable, inner gloves

If need arises, a specific plan will be developed for decontamination procedures shown below.

STATION #1: _____

Equipment Required: _____

STATION #2: _____

Equipment Required: _____

STATION #3: _____

Equipment Required: _____

STATION #4: _____

Equipment Required: _____

5.2 Equipment Decontamination

Personnel will decontaminate field equipment appropriately. This may include manual removal of gross contamination with shovels or other tools. If a high-pressure, hot water sprayer is utilized, the possibility of a splash and/or mist inhalation hazard, the task should be performed using appropriate personal protective equipment (goggles or face shield and respiratory protection) at a minimum.

Field tools (ex. shovels) may be scrubbed visually clean with water and a stiff, long-bristled scrub brush.

Equipment Decontamination

Gross Removal By:

<u>X</u> _____	Hand Scrubbing
_____	Cold High Pressure Wash
_____	Hot High Pressure Wash
<u>X</u> _____	Steam Cleaning
_____	Other (specify) _____
<u>X</u> _____	Clean Rinse
<u>X</u> _____	Decon solution (specify) <u>Dilute Liquinox</u>

5.3 Disposal of Decontamination Wastes

All materials and equipment used for decontamination should be disposed of in accordance with local, State, and/or Federal Regulations.

Decontamination Waste Water

Collection (specify how): Containerize in drum.

Direct Discharge (specify how and where): NA

Pre-Treatment (specify): NA

Disposal (specify how and where): Removal of drummed waste/discharge by licensed waste hauler.

6.0 - STANDARD OPERATING PROCEDURES

The following Standard Operating Procedures (SOPs) will be applied to each location and activity where work is performed. As hazards increase or decrease on the Site, the applicability of each SOP must be reevaluated.

6.1 Personnel Precautions

1. Eating, drinking, chewing gum or tobacco, smoking, and any practice that increases the probability of hand-to-mouth transfer and ingestion of material is prohibited in the exclusion and contamination reduction zone or in any area known to be contaminated.
2. When decontamination procedures for outer garments are in effect, the entire body should be thoroughly washed as soon as possible after the protective garment is removed.
3. Contact with contaminated or suspected contaminated surfaces should be avoided when possible.
4. All personnel must be familiar with Standard Operating Procedures and any additional instructions and information contained in this HASP. All workers will read the HASP before entering the work zone.
5. All personnel will be familiar with the chemicals potentially present in site soils. The chemical hazard information for the known on-site chemicals of concern are included in Appendix B of this HASP.

6.2 Operations

1. All personnel going to the Site must be adequately trained and thoroughly briefed on anticipated hazards, equipment, safety practices, emergency procedures, and communications.
2. Personnel and equipment in the contaminated area should be minimized, consistent with effective Site operations.
3. Work areas for various operational activities will be established.
4. Procedures for leaving a contaminated area will be planned and implemented before going to the Site. Work areas and decontamination procedures will be established based on expected Site conditions.

7.0 - CONTINGENCY PLAN

This section of the HASP describes potential emergencies at this Site and the procedures for responding to those emergencies.

7.1 Medical Emergencies

1. The name, address, telephone number, travel distance, and travel time to the nearest medical treatment facility are found in the Emergency Information section (see Emergency Info-1) of this HASP. A map and direction for locating the facility is available in the Emergency Information section of this HASP.
2. Any person who becomes ill or injured in the exclusion zone must be decontaminated as well as possible with consideration to which risk will be greater; the spread of contamination or the health of the individual. If the injury or illness is minor, full decontamination (remove contaminated clothing and wash hands and face with soap and water, See Section 5.0) should be completed and first-aid administered before transport. If the patient's condition is serious, the decontamination requirement may be waived. First-aid should be administered while awaiting an ambulance or paramedics.
3. The following steps should be followed if an injury or illness case occurs:
 - Check the Scene.
 - If safe to do so, check the condition of the injured.
 - Call 911 if the victim is unconscious or your training dictates to do so.
 - Care for the injured. Always use "Universal Precautions".

7.2 Site Evacuation Conditions

The following conditions will necessitate the cessation of field work in the area of concern, withdrawal from the work area, and revisions to this HASP:

- Fires and/or explosions
- Unexploded ordnance is detected
- A major incident or injury occurs
- Flammable atmosphere readings above 10 percent LEL
- Oxygen readings above 23.5 percent oxygen concentration
- Oxygen readings at or below 19.5 percent oxygen concentration
- PID readings over 50 ppm sustained for more than 5 minutes
- Detector tube readings over the maximum Action Level for the contaminant specified

APPENDIX A
Job Safety Analysis Forms



JSA

JOB SAFETY ANALYSIS

DESCRIPTION OF JOB: Site Setup		REVISION DATE:	JSA CREATED ON: 08/02/16
PREPARED BY: Ben Chevlen	REVIEWED BY:	APPROVED BY:	PAGE: 1 of 4

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT

<input type="checkbox"/> REFLECTIVE VEST	<input type="checkbox"/> LONG PANTS	<input type="checkbox"/> AIR PURIFYING RESPIRATOR	<input type="checkbox"/> OTHER:
<input type="checkbox"/> HARD HAT	<input type="checkbox"/> COTTON, LEATHER, OR	<input type="checkbox"/> SUPPLIED AIR RESPIRATOR	<input type="checkbox"/> OTHER:
<input type="checkbox"/> SAFETY TOED BOOTS	<input type="checkbox"/> CRAFTSMAN GLOVES	<input type="checkbox"/> CHEMICAL RESISTANT	<input type="checkbox"/> OTHER:
<input type="checkbox"/> SAFETY GLASSES	<input type="checkbox"/> CHEMICAL RESISTANT GLOVE:	<input type="checkbox"/> GOGGLES	<input type="checkbox"/> OTHER:
<input type="checkbox"/> SAFETY G	<input type="checkbox"/> HEARING PROTECTION		<input type="checkbox"/> OTHER:
<input type="checkbox"/> FACE SHIELD			<input type="checkbox"/> OTHER:

REQUIRED TOOLS/EQUIPMENT/SUPPLIES

<input type="checkbox"/> DRINKING WATER	<input type="checkbox"/> RATCHET WITH EXTENSION	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> BUG REPELLENT	<input type="checkbox"/> WELL MAGNET	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> TRAFFIC CONTROL DEVICES	<input type="checkbox"/> AIR MONITORING SELECT FROM LIST	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> LADDER	<input type="checkbox"/> LOCKOUT/TAGOUT EQUIPMENT	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:

STOP WORK

Employees must stop work and contact off-site senior personnel when a change in condition, process, or job phase develops on the project site that is not addressed by this JSA or within the project specific HASP. The JSA should be modified with new steps, hazards, and safe procedures agreed upon by all employees at the project site and approved by off-site senior personnel. Documentation of the modification and review by all affected personnel must take place.

1 JOB STEPS	2 POTENTIAL HAZARDOUS CONDITIONS or UNSAFE PRACTICES	3 SAFE PROCEDURES and PREVENTATIVE MEASURES
Drive around site	<ul style="list-style-type: none"> Traffic Pedestrians 	<ul style="list-style-type: none"> Use defensive driving techniques Yield to all pedestrians. Use defensive driving techniques
Load/Unload equipment and supplies	<ul style="list-style-type: none"> Vehicles 	<ul style="list-style-type: none"> When backing the drill rig, vehicles with trailers, or other large vehicles a spotter must be used. Use barrier controls with a height of at least 36 inches. Wear traffic reflective vest. Caution tape or snow fence should be used to surround the work site.
	<ul style="list-style-type: none"> Pedestrians 	<ul style="list-style-type: none"> Use barrier controls with a height of at least 36 inches. Place signs indicating authorized personnel only at entrance to site. When backing the drill rig, vehicles with trailers, or other large vehicles a spotter must be used. Caution tape or snow fence should be used to surround the work site.
	<ul style="list-style-type: none"> Weather 	<ul style="list-style-type: none"> Prevent heat and cold illnesses by: drinking water frequently and moderately; rest frequently; wear light colored clothing; eat light meals. Adjust work schedule to avoid temperature extremes. Sunscreen Layer clothing to adjust to changing environmental temperatures Avoid drinks with caffeine (coffee, tea, or soda) or alcohol. Use the buddy system (work in pairs).
	<ul style="list-style-type: none"> Slips, trips and falls 	<ul style="list-style-type: none"> Maintain housekeeping. Set up work zone with enough room for staging of equipment and supplies such that there are aisle ways for walking and working.



JSA

JOB SAFETY ANALYSIS

DESCRIPTION OF JOB: Site Setup	REVISION DATE:	JSA CREATED ON: 08/02/16
PREPARED BY: Ben Chevlen	REVIEWED BY:	APPROVED BY:
		PAGE: 2 of 4

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT			
<input type="checkbox"/> REFLECTIVE VEST <input type="checkbox"/> HARD HAT <input type="checkbox"/> SAFETY TOED BOOTS <input type="checkbox"/> SAFETY GLASSES <input type="checkbox"/> FACE SHIELD	<input type="checkbox"/> LONG PANTS <input type="checkbox"/> COTTON, LEATHER, OR <input type="checkbox"/> CRAFTSMAN GLOVES <input type="checkbox"/> CHEMICAL RESISTANT GLOVE: <input type="checkbox"/> HEARING PROTECTION	<input type="checkbox"/> AIR PURIFYING RESPIRATOR <input type="checkbox"/> SUPPLIED AIR RESPIRATOR <input type="checkbox"/> CHEMICAL RESISTANT <input type="checkbox"/> GOGGLES	<input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:

REQUIRED TOOLS/EQUIPMENT/SUPPLIES			
<input type="checkbox"/> DRINKING WATER <input type="checkbox"/> BUG REPELLENT <input type="checkbox"/> TRAFFIC CONTROL DEVICES <input type="checkbox"/> LADDER	<input type="checkbox"/> RATCHET WITH EXTENSION <input type="checkbox"/> WELL MAGNET <input type="checkbox"/> AIR MONITORING SELECT FROM LIST <input type="checkbox"/> LOCKOUT/TAGOUT EQUIPMENT	<input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:

STOP WORK

Employees must stop work and contact off-site senior personnel when a change in condition, process, or job phase develops on the project site that is not addressed by this JSA or within the project specific HASP. The JSA should be modified with new steps, hazards, and safe procedures agreed upon by all employees at the project site and approved by off-site senior personnel. Documentation of the modification and review by all affected personnel must take place.

1 JOB STEPS	2 POTENTIAL HAZARDOUS CONDITIONS or UNSAFE PRACTICES	3 SAFE PROCEDURES and PREVENTATIVE MEASURES
		<ul style="list-style-type: none"> If on pavement or concrete sweep up loose sand, dirt or rock Wear slip resistant steel toed boots. Keep foot wear clean of mud and other debris. Setup areas away from snow and ice. If ice is present wear yak-traks on boots.
	<ul style="list-style-type: none"> Insects and animals 	<ul style="list-style-type: none"> Look around area before setting up for the presence of bee nests and cob webs. Do not disturb – leave them alone. If stray dogs are present go indoors or the cab of the truck and wait for it to leave. Call animal control. If you encounter bees or poisonous spiders leave the area and call the Project Manager. Keep hands and feet out of areas you can not see.
	<ul style="list-style-type: none"> Back Injuries 	<ul style="list-style-type: none"> Use proper lifting procedures – avoid lifting with the back and twisting. Do not lift over 50 pounds without assistance.
	<ul style="list-style-type: none"> Hand Injuries 	<ul style="list-style-type: none"> Wear work gloves – leather or craftsman while setting up. Watch hand placement – always know where your hands are at. Do not place your hand in direct path of a tool or between two objects.
	<ul style="list-style-type: none"> Heavy Equipment 	<ul style="list-style-type: none"> Spotters must be used at all times when heavy equipment is being operated. All onsite personnel must wear safety reflective vest. Operator must follow spotters hand signals and remove hands from controls when not working. Site personnel should only approach the spotter Backup alarm is required on heavy equipment.



JSA

JOB SAFETY ANALYSIS

DESCRIPTION OF JOB: Site Setup		REVISION DATE:	JSA CREATED ON: 08/02/16
PREPARED BY: Ben Chevlen	REVIEWED BY:	APPROVED BY:	PAGE: 3 of 4

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT

<input type="checkbox"/> REFLECTIVE VEST	<input type="checkbox"/> LONG PANTS	<input type="checkbox"/> AIR PURIFYING RESPIRATOR	<input type="checkbox"/> OTHER:
<input type="checkbox"/> HARD HAT	<input type="checkbox"/> COTTON, LEATHER, OR	<input type="checkbox"/> SUPPLIED AIR RESPIRATOR	<input type="checkbox"/> OTHER:
<input type="checkbox"/> SAFETY TOED BOOTS		<input type="checkbox"/> CHEMICAL RESISTANT	<input type="checkbox"/> OTHER:
<input type="checkbox"/> SAFETY GLASSES	<input type="checkbox"/> CHEMICAL RESISTANT GLOVE:	<input type="checkbox"/> GOGGLES	<input type="checkbox"/> OTHER:
<input type="checkbox"/> SAFETY CASKETS	<input type="checkbox"/> CRAFTSMAN GLOVES		<input type="checkbox"/> OTHER:
<input type="checkbox"/> FACE SHIELD	<input type="checkbox"/> HEARING PROTECTION		<input type="checkbox"/> OTHER:

REQUIRED TOOLS/EQUIPMENT/SUPPLIES

<input type="checkbox"/> DRINKING WATER	<input type="checkbox"/> RATCHET WITH EXTENSION	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> BUG REPELLENT	<input type="checkbox"/> WELL MAGNET	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> TRAFFIC CONTROL DEVICES	<input type="checkbox"/> AIR MONITORING SELECT FROM LIST	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> LADDER	<input type="checkbox"/> LOCKOUT/TAGOUT EQUIPMENT	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:

STOPWORK

Employees must stop work and contact off-site senior personnel when a change in condition, process, or job phase develops on the project site that is not addressed by this JSA or within the project specific HASP. The JSA should be modified with new steps, hazards, and safe procedures agreed upon by all employees at the project site and approved by off-site senior personnel. Documentation of the modification and review by all affected personnel must take place.

1 JOB STEPS	2 POTENTIAL HAZARDOUS CONDITIONS or UNSAFE PRACTICES	3 SAFE PROCEDURES and PREVENTATIVE MEASURES
Underground Utility Locate	<ul style="list-style-type: none"> Vehicles 	<ul style="list-style-type: none"> Wear traffic reflective vest. A spotter should walk with the utility locator looking for hazards whenever the locator is looking down.
	<ul style="list-style-type: none"> Weather 	<ul style="list-style-type: none"> Prevent heat and cold illnesses by: drinking water frequently and moderately; rest frequently; wear light colored clothing; eat light meals. Adjust work schedule to avoid temperature extremes. Sunscreen Layer clothing to adjust to changing environmental temperatures Avoid drinks with caffeine (coffee, tea, or soda) or alcohol. Use the buddy system (work in pairs).
	<ul style="list-style-type: none"> Slips, trips and falls 	<ul style="list-style-type: none"> Wear slip resistant steel toed boots with ankle support. Keep foot wear clean of mud and other debris. If ice is present wear yak-traks on boots.
	<ul style="list-style-type: none"> Insects and animals 	<ul style="list-style-type: none"> Look around area before setting up for the presence of bee nests and cob webs. Do not disturb – leave them alone. If stray dogs are present go indoors or the cab of the truck and wait for it to leave. Call animal control. If you encounter bees or poisonous spiders leave the area and call the Project Manager. Keep hands and feet out of areas you can not see.

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT



JSA

JOB SAFETY ANALYSIS

DESCRIPTION OF JOB: Site Setup		REVISION DATE:	JSA CREATED ON: 08/02/16
PREPARED BY: Ben Chevlen	REVIEWED BY:	APPROVED BY:	PAGE: 4 of 4

<input type="checkbox"/> REFLECTIVE VEST <input type="checkbox"/> HARD HAT <input type="checkbox"/> SAFETY TOED BOOTS <input type="checkbox"/> SAFETY GLASSES <input type="checkbox"/> FACE SHIELD	<input type="checkbox"/> LONG PANTS <input type="checkbox"/> COTTON, LEATHER, OR <input type="checkbox"/> CRAFTSMAN GLOVES <input type="checkbox"/> CHEMICAL RESISTANT GLOVE: <input type="checkbox"/> HEARING PROTECTION	<input type="checkbox"/> AIR PURIFYING RESPIRATOR <input type="checkbox"/> SUPPLIED AIR RESPIRATOR <input type="checkbox"/> CHEMICAL RESISTANT <input type="checkbox"/> GOGGLES	<input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:
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REQUIRED TOOLS/EQUIPMENT/SUPPLIES

<input type="checkbox"/> DRINKING WATER <input type="checkbox"/> BUG REPELLENT <input type="checkbox"/> TRAFFIC CONTROL DEVICES <input type="checkbox"/> LADDER	<input type="checkbox"/> RATCHET WITH EXTENSION <input type="checkbox"/> WELL MAGNET <input type="checkbox"/> AIR MONITORING SELECT FROM LIST <input type="checkbox"/> LOCKOUT/TAGOUT EQUIPMENT	<input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:
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STOP WORK

Employees must stop work and contact off-site senior personnel when a change in condition, process, or job phase develops on the project site that is not addressed by this JSA or within the project specific HASP. The JSA should be modified with new steps, hazards, and safe procedures agreed upon by all employees at the project site and approved by off-site senior personnel. Documentation of the modification and review by all affected personnel must take place.

Please explain additional steps, changes or amendments to this JSA in the provided space below. Prior to starting work ensure that all employees understand and agree with the changes in this JSA.



JSA

JOB SAFETY ANALYSIS

DESCRIPTION OF JOB: Field Work Observation and Note Taking		REVISION DATE:	JSA CREATED ON: 08/02/2016
PREPARED BY: Ben Chevlen	REVIEWED BY:	APPROVED BY:	PAGE: 1 of 2

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT			
<input type="checkbox"/> REFLECTIVE VEST	<input type="checkbox"/> LONG PANTS	<input type="checkbox"/> AIR PURIFYING RESPIRATOR	<input type="checkbox"/> GLOVE _____
<input type="checkbox"/> HARD HAT	<input type="checkbox"/> GLOVE _____	<input type="checkbox"/> SUPPLIED AIR RESPIRATOR	<input type="checkbox"/> GLOVE _____
<input type="checkbox"/> SAFETY TOED BOOTS	<input type="checkbox"/> CHEMICAL RESISTANT GLOVE:	<input type="checkbox"/> CHEMICAL RESISTANT	<input type="checkbox"/> GLOVE _____
<input type="checkbox"/> SAFETY GLASSES	<input type="checkbox"/> HEARING PROTECTION	<input type="checkbox"/> GOGGLES	<input type="checkbox"/> OTHER: _____
<input type="checkbox"/> FACE SHIELD			<input type="checkbox"/> OTHER: _____

REQUIRED TOOLS/EQUIPMENT/SUPPLIES			
<input type="checkbox"/> DRINKING WATER	<input type="checkbox"/> RATCHET WITH EXTENSION	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> OTHER: _____
<input type="checkbox"/> BUG REPELLENT	<input type="checkbox"/> WELL MAGNET	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> OTHER: _____
<input type="checkbox"/> TRAFFIC CONTROL DEVICES	<input type="checkbox"/> AIR MONITORING SELECT FROM LIST	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> OTHER: _____
<input type="checkbox"/> LADDER	<input type="checkbox"/> LOCKOUT/TAGOUT EQUIPMENT	<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> OTHER: _____

STOPWORK

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1 JOB STEPS	2 POTENTIAL HAZARDOUS CONDITIONS or UNSAFE PRACTICES	3 SAFE PROCEDURES and PREVENTATIVE MEASURES
Walking around the Site for observing and noting health and safety along with miscellaneous data collection assistance.	Traffic and Movement of Equipment	<ul style="list-style-type: none"> Glove - _____. Communicate your intentions to others involved. Make sure they understand where and what you will be doing before you do it.
	Adjusting Safety Cones and Tape	<ul style="list-style-type: none"> Glove - _____. Communicate your intentions to others involved. Make sure they understand where and what you will be doing before you do it.
	Slips, Trips and Fall Hazards	<ul style="list-style-type: none"> Have field staff maintain housekeeping. Have field staff set up work zone with enough room for staging of equipment and supplies such that there are aisle ways for walking and working.
	Hand Injuries	<ul style="list-style-type: none"> Glove - _____.
	Noise	<ul style="list-style-type: none"> Wear hearing protection.
	Hazardous Atmosphere	<ul style="list-style-type: none"> Operate in a well ventilated area. Stand upwind while observing. Have field staff use a PID or FID to monitor the area for potential hazardous atmosphere.



JSA

JOB SAFETY ANALYSIS

DESCRIPTION OF JOB:

Field Work Observation and Note Taking

REVISION DATE:

JSA CREATED ON:

08/02/2016

PREPARED BY: Ben Chevlen

REVIEWED BY:

APPROVED BY:

PAGE: 2 of 2

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT

- REFLECTIVE VEST
- HARD HAT
- SAFETY TOED BOOTS
- SAFETY GLASSES
- FACE SHIELD

- LONG PANTS
- GLOVE _____
- CHEMICAL RESISTANT GLOVE:
- HEARING PROTECTION

- AIR PURIFYING RESPIRATOR
- SUPPLIED AIR RESPIRATOR
- CHEMICAL RESISTANT
- GOGGLES

- GLOVE _____
- GLOVE _____
- GLOVE _____
- OTHER:
- OTHER:

REQUIRED TOOLS/EQUIPMENT/SUPPLIES

- DRINKING WATER
- BUG REPELLENT
- TRAFFIC CONTROL DEVICES
- LADDER

- RATCHET WITH EXTENSION
- WELLS MAGNET
- AIR MONITORING **SELECT FROM LIST**
- LOCKOUT/TAGOUT EQUIPMENT

- OTHER:
- OTHER:
- OTHER:
- OTHER:

- OTHER:
- OTHER:
- OTHER:
- OTHER:

STOPWORK

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Please explain additional steps, changes or amendments to this JSA in the provided space below. Prior to starting work ensure that all employees understand and agree with the changes in this JSA.



JSA

JOB SAFETY ANALYSIS

For RM Department Use
 JSA NO: EM-002f
 Primary Job Category: Environmental Management

DESCRIPTION OF JOB: Soil Handling		REVISION DATE:	JSA CREATED ON: 08/02/16
PREPARED BY: Ben Chevlen	REVIEWED BY:	APPROVED BY:	PAGE: 1 of 2

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT			
<input type="checkbox"/> REFLECTIVE VEST	<input type="checkbox"/> LONG PANTS	<input type="checkbox"/> AIR PURIFYING RESPIRATOR	<input type="checkbox"/> OTHER:
<input type="checkbox"/> HARD HAT	<input type="checkbox"/> COTTON, LEATHER, OR	<input type="checkbox"/> SUPPLIED AIR RESPIRATOR	<input type="checkbox"/> OTHER:
<input type="checkbox"/> SAFETY TOED BOOTS	<input checked="" type="checkbox"/> CHEMICAL RESISTANT GLOVE: Nitrile	<input type="checkbox"/> CHEMICAL RESISTANT	<input type="checkbox"/> OTHER:
<input type="checkbox"/> SAFETY GLASSES	<input type="checkbox"/> CRAFTSMAN GLOVES	<input type="checkbox"/> GOGGLES	<input type="checkbox"/> OTHER:
<input type="checkbox"/> FACE SHIELD	<input type="checkbox"/> HEARING PROTECTION		<input type="checkbox"/> OTHER:

REQUIRED TOOLS/EQUIPMENT/SUPPLIES			
<input type="checkbox"/> DRINKING WATER	<input type="checkbox"/> RATCHET WITH EXTENSION	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> BUG REPELLENT	<input type="checkbox"/> WELL MAGNET	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> TRAFFIC CONTROL DEVICES	<input type="checkbox"/> AIR MONITORING PID	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> LADDER	<input type="checkbox"/> LOCKOUT/TAGOUT EQUIPMENT	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:

STOPWORK

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1 JOB STEPS	2 POTENTIAL HAZARDOUS CONDITIONS or UNSAFE PRACTICES	3 SAFE PROCEDURES and PREVENTATIVE MEASURES
Move equipment into place on project site	Pedestrians	<ul style="list-style-type: none"> When backing equipment into place a spotter must be used. Back-up alarm on equipment. All employees/workers in the area should wear a traffic reflective vest.
	Other vehicles	<ul style="list-style-type: none"> When backing equipment into place a spotter must be used. Spotter must have on traffic safety vest. Equipment driver should yield to other vehicles.
	Overhead obstacles	<ul style="list-style-type: none"> Driver and spotter should walk the travel path and discuss the movement of the equipment. When backing equipment into place a spotter must be used.
	Damage to private property	<ul style="list-style-type: none"> When backing equipment into place a spotter must be used. Driver and spotter should walk the travel path and discuss the movement of the equipment
Site setup	See JSA site setup	<ul style="list-style-type: none"> See JSA site setup
Soil Handling	Chemical contact	<ul style="list-style-type: none"> Wear nitrile gloves.
	Back injuries	<ul style="list-style-type: none"> Follow safe lifting procedures of lifting with the legs not the back. Avoid setting tools and other equipment on the ground. Set at waist level.
	Tripping hazards	<ul style="list-style-type: none"> Maintain a clear path between the sample location and the preparation area. Dry up water as quickly as possible.
Drum handling	See JSA drum handling	<ul style="list-style-type: none"> See JSA drum handling
Decon	See JSA Decon	<ul style="list-style-type: none"> See JSA Decon



JSA

JOB SAFETY ANALYSIS

For RM Department Use
 JSA NO: EM-002f
 Primary Job Category: Environmental Management

DESCRIPTION OF JOB: Soil Handling		REVISION DATE:	JSA CREATED ON: 08/02/16
PREPARED BY: Ben Chevlen	REVIEWED BY:	APPROVED BY:	PAGE: 2 of 2

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT			
<input type="checkbox"/> REFLECTIVE VEST	<input type="checkbox"/> LONG PANTS	<input type="checkbox"/> AIR PURIFYING RESPIRATOR	<input type="checkbox"/> OTHER:
<input type="checkbox"/> HARD HAT	<input type="checkbox"/> COTTON, LEATHER, OR	<input type="checkbox"/> SUPPLIED AIR RESPIRATOR	<input type="checkbox"/> OTHER:
<input type="checkbox"/> SAFETY TOED BOOTS	<input type="checkbox"/> CHEMICAL RESISTANT GLOVE:	<input type="checkbox"/> CHEMICAL RESISTANT	<input type="checkbox"/> OTHER:
<input type="checkbox"/> SAFETY GLASSES	<input type="checkbox"/> CRAFTSMAN GLOVES	<input type="checkbox"/> GOGGLES	<input type="checkbox"/> OTHER:
<input type="checkbox"/> FACE SHIELD	<input type="checkbox"/> HEARING PROTECTION		<input type="checkbox"/> OTHER:
REQUIRED TOOLS/EQUIPMENT/SUPPLIES			
<input type="checkbox"/> DRINKING WATER	<input type="checkbox"/> RATCHET WITH EXTENSION	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> BUG REPELLENT	<input type="checkbox"/> WELL MAGNET	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> TRAFFIC CONTROL DEVICES	<input type="checkbox"/> AIR MONITORING SELECT FROM LIST	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> LADDER	<input type="checkbox"/> LOCKOUT/TAGOUT EQUIPMENT	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:

SSTOOPP WWOORRKK

Employees must stop work and contact off-site senior personnel when a change in condition, process, or job phase develops on the project site that is not addressed by this JSA or within the project specific HASP. The JSA should be modified with new steps, hazards, and safe procedures agreed upon by all employees at the project site and approved by off-site senior personnel.

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JSA

JOB SAFETY ANALYSIS

DESCRIPTION OF JOB: Drum Handling		REVISION DATE:	JSA CREATED ON: 08/02/16
PREPARED BY: Ben Chevlen	REVIEWED BY:	APPROVED BY:	PAGE: 1 of 5

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT			
<input type="checkbox"/> REFLECTIVE VEST <input type="checkbox"/> HARD HAT <input type="checkbox"/> SAFETY TOED BOOTS <input type="checkbox"/> SAFETY GLASSES <input type="checkbox"/> FACE SHIELD	<input type="checkbox"/> LONG PANTS <input checked="" type="checkbox"/> GLOVE <u>LEATHER</u> <input type="checkbox"/> CHEMICAL RESISTANT GLOVE: <input type="checkbox"/> HEARING PROTECTION	<input type="checkbox"/> AIR PURIFYING RESPIRATOR <input type="checkbox"/> SUPPLIED AIR RESPIRATOR <input type="checkbox"/> CHEMICAL RESISTANT <input type="checkbox"/> GOGGLES	<input type="checkbox"/> GLOVE _____ <input type="checkbox"/> GLOVE _____ <input type="checkbox"/> GLOVE _____ <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:

REQUIRED TOOLS/EQUIPMENT/SUPPLIES			
<input type="checkbox"/> DRINKING WATER <input type="checkbox"/> BUG REPELLENT <input type="checkbox"/> TRAFFIC CONTROL DEVICES <input type="checkbox"/> LADDER	<input type="checkbox"/> RATCHET WITH EXTENSION <input type="checkbox"/> WELL MAGNET <input type="checkbox"/> AIR MONITORING SELECT FROM LIST <input type="checkbox"/> LOCKOUT/TAGOUT EQUIPMENT	<input checked="" type="checkbox"/> OTHER: Drum Dolly <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:

STOPWORK

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1 JOB STEPS	2 POTENTIAL HAZARDOUS CONDITIONS or UNSAFE PRACTICES	3 SAFE PROCEDURES and PREVENTATIVE MEASURES
Storage of Drum Dolly	Tripping Hazard, Tip-Over Hazard	<ul style="list-style-type: none"> If dolly is to be stored in upright position, and has "Kick Stand", use the kick stand to keep dolly in upright position or keep it attached to a standing drum. If dolly is to be stored in horizontal position, turn the dolly over so that the forks (drum cleats) are in contact with the ground and not sticking out into a work space. If temporarily storing dolly in horizontal (on the wheels) position, ensure that the forks are protected against workers hitting them. Where possible, store the dolly out of the immediate work area to minimize chance for dolly being tipped over or tripped over. Ensure that all employees are aware of storage considerations.
Drum Handling (Empty Drums)	Overexertion Injuries (lifting or moving drums)	<ul style="list-style-type: none"> When moving drums, use the drum dolly. Secure assistance as needed for heavier drums (even if empty).
	Eye Injuries (dust, dirt, or metal particles kicked up as result of moving drums or unfastening lids and sealing rings)	<ul style="list-style-type: none"> Use safety eyewear with side shields. Be observant of materials on top of lids before opening them.
	Hand Injuries (pinch points or cuts due to sharp metal edges or burrs)	<ul style="list-style-type: none"> Glove <u>leather</u> when handling drums. Use safe position with hands (do not place between drums and fixed objects, including other drums). If others are helping with drums, ensure that their hands are also in safe position before moving drums. Anticipate possible metal burrs on drum lids or sealing rings, and on metal bolt fasteners.



JSA

JOB SAFETY ANALYSIS

DESCRIPTION OF JOB: Drum Handling	REVISION DATE:	JSA CREATED ON: 08/02/16
PREPARED BY: Ben Chevlen	REVIEWED BY:	APPROVED BY:
		PAGE: 2 of 5

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT			
<input type="checkbox"/> REFLECTIVE VEST <input type="checkbox"/> HARD HAT <input type="checkbox"/> SAFETY TOED BOOTS <input type="checkbox"/> SAFETY GLASSES <input type="checkbox"/> FACE SHIELD	<input type="checkbox"/> LONG PANTS <input checked="" type="checkbox"/> GLOVE <u>LEATHER</u> <input type="checkbox"/> CHEMICAL RESISTANT GLOVE: <input type="checkbox"/> HEARING PROTECTION	<input type="checkbox"/> AIR PURIFYING RESPIRATOR <input type="checkbox"/> SUPPLIED AIR RESPIRATOR <input type="checkbox"/> CHEMICAL RESISTANT <input type="checkbox"/> GOGGLES	<input type="checkbox"/> GLOVE _____ <input type="checkbox"/> GLOVE _____ <input type="checkbox"/> GLOVE _____ <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:

REQUIRED TOOLS/EQUIPMENT/SUPPLIES			
<input type="checkbox"/> DRINKING WATER <input type="checkbox"/> BUG REPELLENT <input type="checkbox"/> TRAFFIC CONTROL DEVICES <input type="checkbox"/> LADDER	<input type="checkbox"/> RATCHET WITH EXTENSION <input type="checkbox"/> WELL MAGNET <input type="checkbox"/> AIR MONITORING SELECT FROM LIST <input type="checkbox"/> LOCKOUT/TAGOUT EQUIPMENT	<input checked="" type="checkbox"/> OTHER: Drum Dolly <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:

STOP WORK

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1 JOB STEPS	2 POTENTIAL HAZARDOUS CONDITIONS or UNSAFE PRACTICES	3 SAFE PROCEDURES and PREVENTATIVE MEASURES
	Tripping Hazards (drum lids, sealing rings)	<ul style="list-style-type: none"> Use the proper tool for removing lid rings. When removing drum lids and sealing rings for visual drum inspections, do NOT create tripping hazards by placing lids or rings in walkways.
	Foot/Ankle Injuries (drums or dolly parts striking ankles or feet)	<ul style="list-style-type: none"> Use safety footwear (steel-toed shoes or boots) when handling drums and drum dolly Ensure feet are in safe position when lowering drums to floor or removing dolly from under drums.
Drum Dolly Use	Hand, Eye, or Foot Injuries	<ul style="list-style-type: none"> Refer to PPE requirements from above.
	Overexertion Injuries	<ul style="list-style-type: none"> When moving drum dolly, roll it on its wheels (rather than attempting to lift and carry it). Only use a 4 wheeled drum dolly.
	Finger Injuries (cuts or pinches)	<ul style="list-style-type: none"> When attempting to attach dolly to the drum, watch placement of fingers to avoid pinch points between dolly and drum and between two drums. Carefully place forks of dolly under the bottom of the drum – ensure forks are fully inserted under the drum. Affix the securing hook over the edge of the drum top.
	Bumping Into Other Employees, Trip Hazards	<ul style="list-style-type: none"> When drum is secured by forks at the bottom and securing hook at the top, check behind you to ensure you still have adequate room, no pedestrian or other traffic, and no obstructions in your path of travel. Gently rock the drum back toward you until wheels are fully engaged with travel surface. Slowly roll the dolly and drum to the desired position. Tip the drum back into vertical position and reverse steps for temporary



JSA

JOB SAFETY ANALYSIS

DESCRIPTION OF JOB: Drum Handling		REVISION DATE:	JSA CREATED ON: 08/02/16
PREPARED BY: Ben Chevlen	REVIEWED BY:	APPROVED BY:	PAGE: 3 of 5

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT

<input type="checkbox"/> REFLECTIVE VEST	<input type="checkbox"/> LONG PANTS	<input type="checkbox"/> AIR PURIFYING RESPIRATOR	<input type="checkbox"/> GLOVE _____
<input type="checkbox"/> HARD HAT	<input checked="" type="checkbox"/> GLOVE <u>LEATHER</u>	<input type="checkbox"/> SUPPLIED AIR RESPIRATOR	<input type="checkbox"/> GLOVE _____
<input type="checkbox"/> SAFETY TOED BOOTS	<input type="checkbox"/> CHEMICAL RESISTANT GLOVE:	<input type="checkbox"/> CHEMICAL RESISTANT	<input type="checkbox"/> GLOVE _____
<input type="checkbox"/> SAFETY GLASSES	<input type="checkbox"/> HEARING PROTECTION	<input type="checkbox"/> GOGGLES	<input type="checkbox"/> OTHER:
<input type="checkbox"/> FACE SHIELD			<input type="checkbox"/> OTHER:

REQUIRED TOOLS/EQUIPMENT/SUPPLIES

<input type="checkbox"/> DRINKING WATER	<input type="checkbox"/> RATCHET WITH EXTENSION	<input checked="" type="checkbox"/> OTHER: Drum Dolly	<input type="checkbox"/> OTHER:
<input type="checkbox"/> BUG REPELLENT	<input type="checkbox"/> WELL MAGNET	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> TRAFFIC CONTROL DEVICES	<input type="checkbox"/> AIR MONITORING SELECT FROM LIST	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:
<input type="checkbox"/> LADDER	<input type="checkbox"/> LOCKOUT/TAGOUT EQUIPMENT	<input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER:

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1 JOB STEPS	2 POTENTIAL HAZARDOUS CONDITIONS or UNSAFE PRACTICES	3 SAFE PROCEDURES and PREVENTATIVE MEASURES
		storage of dolly.
Moving Drums (Pathways)	Uneven Surfaces (can cause drum and dolly to tip over, or sink into terrain)	<ul style="list-style-type: none"> Check entire path that drum and dolly must travel. If surface is not designed for wheeled traffic, make arrangements for temporary plates (plywood or similar) to allow safe movement of dolly. If surface is uneven, unpaved, or otherwise challenging, consider other methods of improvement. Where needed, use a "Spotter" to ensure no pedestrians or motorized vehicles enter pathway.
	Weight of Drums (creating an overexertion hazard)	<ul style="list-style-type: none"> For full drums, utilize helper to minimize the chance for sprains or strains. Do NOT attempt to lift full drums – let the dolly do the work.
Spotting Drum at End Location	Foot, Finger & Overexertion Injuries (pinch points, foot crush potential, sprains and strains)	<ul style="list-style-type: none"> Ensure that space where drum will be placed is adequate for drum. If other objects (or other drums) are in area, keep hands out of pinch points between drums (or other objects). When righting the drum at its destination, use 2 persons where needed. Keep feet out from under the drum and dolly at all times. Unhooks the securing hook from the drum lid area. Carefully slide the forks out from under the drum. Do not attempt to simply "yank" the forks out from under the drum, as dolly could slip back and strike employee's shins, ankles, or feet. If drum needs to be moved slowly into final position, watch fingers and pinch points. Use "Buddy System" to gradually shift drum position and ensure both parties are in communication of what each will do and to keep fingers out



JSA

JOB SAFETY ANALYSIS

DESCRIPTION OF JOB: Drum Handling		REVISION DATE:	JSA CREATED ON: 08/02/16
PREPARED BY: Ben Chevlen	REVIEWED BY:	APPROVED BY:	PAGE: 4 of 5

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT			
<input type="checkbox"/> REFLECTIVE VEST <input type="checkbox"/> HARD HAT <input type="checkbox"/> SAFETY TOED BOOTS <input type="checkbox"/> SAFETY GLASSES <input type="checkbox"/> FACE SHIELD	<input type="checkbox"/> LONG PANTS <input checked="" type="checkbox"/> GLOVE <u>LEATHER</u> <input type="checkbox"/> CHEMICAL RESISTANT GLOVE: <input type="checkbox"/> HEARING PROTECTION	<input type="checkbox"/> AIR PURIFYING RESPIRATOR <input type="checkbox"/> SUPPLIED AIR RESPIRATOR <input type="checkbox"/> CHEMICAL RESISTANT <input type="checkbox"/> GOGGLES	<input type="checkbox"/> GLOVE _____ <input type="checkbox"/> GLOVE _____ <input type="checkbox"/> GLOVE _____ <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:

REQUIRED TOOLS/EQUIPMENT/SUPPLIES			
<input type="checkbox"/> DRINKING WATER <input type="checkbox"/> BUG REPELLENT <input type="checkbox"/> TRAFFIC CONTROL DEVICES <input type="checkbox"/> LADDER	<input type="checkbox"/> RATCHET WITH EXTENSION <input type="checkbox"/> WELL MAGNET <input type="checkbox"/> AIR MONITORING SELECT FROM LIST <input type="checkbox"/> LOCKOUT/TAGOUT EQUIPMENT	<input checked="" type="checkbox"/> OTHER: Drum Dolly <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:	<input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER: <input type="checkbox"/> OTHER:

STOP WORK

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1 JOB STEPS	2 POTENTIAL HAZARDOUS CONDITIONS or UNSAFE PRACTICES	3 SAFE PROCEDURES and PREVENTATIVE MEASURES
		of pinch points. <ul style="list-style-type: none"> When drum is removed from dolly, use steps outlined for temporary (or longer storage) of dolly.



JSA

JOB SAFETY ANALYSIS

DESCRIPTION OF JOB:

Drum Handling

REVISION DATE:

JSA CREATED ON:

08/02/16

PREPARED BY: Ben Cheven

REVIEWED BY:

APPROVED BY:

PAGE: 5 of 5

MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT

- | | | | |
|--|--|---|---------------------------------------|
| <input type="checkbox"/> REFLECTIVE VEST | <input type="checkbox"/> LONG PANTS | <input type="checkbox"/> AIR PURIFYING RESPIRATOR | <input type="checkbox"/> GLOVE _____ |
| <input type="checkbox"/> HARD HAT | <input type="checkbox"/> GLOVE _____ | <input type="checkbox"/> SUPPLIED AIR RESPIRATOR | <input type="checkbox"/> GLOVE _____ |
| <input type="checkbox"/> SAFETY TOED BOOTS | <input type="checkbox"/> CHEMICAL RESISTANT GLOVE: | <input type="checkbox"/> CHEMICAL RESISTANT | <input type="checkbox"/> GLOVE _____ |
| <input type="checkbox"/> SAFETY GLASSES | <input type="checkbox"/> HEARING PROTECTION | <input type="checkbox"/> GOGGLES | <input type="checkbox"/> OTHER: _____ |
| <input type="checkbox"/> FACE SHIELD | | | <input type="checkbox"/> OTHER: _____ |

REQUIRED TOOLS/EQUIPMENT/SUPPLIES

- | | | | |
|--|---|---------------------------------------|---------------------------------------|
| <input type="checkbox"/> DRINKING WATER | <input type="checkbox"/> RATCHET WITH EXTENSION | <input type="checkbox"/> OTHER: _____ | <input type="checkbox"/> OTHER: _____ |
| <input type="checkbox"/> BUG REPELLENT | <input type="checkbox"/> WELL MAGNET | <input type="checkbox"/> OTHER: _____ | <input type="checkbox"/> OTHER: _____ |
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APPENDIX B
Chemical Hazard Information

SAFETY DATA SHEET

1. SUBSTANCE AND SOURCE IDENTIFICATION

Product Identifier

RM Number: 8466
RM Name: .-Hexachlorocyclohexane (Lindane)
Other Means of Identification: Not applicable.

Recommended Use of This Material and Restrictions of Use

This Reference Material (RM) is intended for use in the evaluation of procedures used in the measurement of lindane in environmental samples and for the preparation and evaluation of daily working standards used in the procedures listed in the Report of Investigation. RM 8466 is provided as a primary reference compound of measured purity for .-hexachlorocyclohexane (lindane). A unit of RM 8466 consists of one vial containing approximately 100 mg of lindane.

Company Information

National Institute of Standards and Technology
 Standard Reference Materials Program
 100 Bureau Drive, Stop 2300
 Gaithersburg, Maryland 20899-2300

Telephone: 301-975-2200
 FAX: 301-948-3730
 E-mail: SRMMSDS@nist.gov
 Website: <http://www.nist.gov/srm>

Emergency Telephone ChemTrec:
 1-800-424-9300 (North America)
 +1-703-527-3887 (International)

2. HAZARDS IDENTIFICATION

Classification

Physical Hazard: Not classified.
Health Hazard: Acute Toxicity, Oral Category 3
 Acute Toxicity, Dermal Category 3
 Acute Toxicity, Inhalation Category 4
 Carcinogen Category 2
 STOT, Repeated Exposure Category 2
 Reproductive Toxicity: Lactation

Label Elements

Symbol



Signal Word

DANGER

Hazard Statement(s):

H301 Toxic if swallowed.
 H311 Toxic in contact with skin.
 H332 Harmful if inhaled.
 H351 Suspected of causing cancer.
 H362 May cause harm to breast-fed children.
 H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement(s):

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe dust or mist.
 P263 Avoid contact during pregnancy and while nursing.

P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves, protective clothing, and eye protection.
P301 + P310	If swallowed: Immediately call a call a doctor.
P330	Rinse mouth.
P302 + P352	If on skin: Wash with plenty of soap and water.
P304 + P340	If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313	If exposed or concerned: Get medical attention.
P361 + 364	Take off immediately all contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents and container according to local regulations.

Hazards Not Otherwise Classified: Not applicable.

Ingredients(s) with Unknown Acute Toxicity: Not applicable.

3. COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS

Substance: Lindane

Other Designations: γ -HCH; γ -benzenehexachloride (γ -BHC); 1,2,3,4,5,6-hexachlorocyclohexane; γ -1,2,3,4,5,6-hexachlorocyclohexane; RCA U129; C₁₄H₈Cl₆.

Components listed below comply with OSHA's 29 CFR 1910.1200.

Component(s)	CAS Number	EC Number (EINECS)	Nominal Mass Concentration (%)
Lindane	58-89-9	200-401-2	99.9

4. FIRST AID MEASURES

Description of First Aid Measures:

Inhalation: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Skin Contact: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Eye Contact: Flush eyes with water for at least 15 minutes. Then get immediate medical attention.

Ingestion: Contact local poison control center or physician immediately. Never make an unconscious person vomit or drink fluids. When vomiting occurs, keep head lower than hips to help prevent aspiration. If person is unconscious, turn head to side. Get medical attention immediately.

Most Important Symptoms/Effects, Acute and Delayed: Organochlorine pesticides cause liver and kidney damage.

Indication of any immediate medical attention and special treatment needed, if necessary: If any of the above symptoms are present, seek medical attention if needed.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Slight fire hazard. Dust/air mixtures may ignite or explode. See Section 9, "Physical and Chemical Properties" for flammability properties.

Extinguishing Media:

Suitable: Regular dry chemical, carbon dioxide, water, and regular foam.

Unsuitable: None listed.

Specific Hazards Arising from the Chemical: None listed.

Special Protective Equipment and Precautions for Fire-Fighters: Avoid inhalation of material or combustion byproducts. Wear full protective clothing and NIOSH approved self-contained breathing apparatus (SCBA).

NFPA Ratings (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe)

Health = 3 Fire = 1 Reactivity = 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Any accumulated material on surfaces should be removed and properly disposed of. Use suitable protective equipment; see Section 8, "Exposure Controls and Personal Protection".

Methods and Materials for Containment and Clean up: Do not touch spilled material. Notify safety personnel of spills. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Isolate hazard area and deny entry. Subject to California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). Keep out of water supplies and sewers.

7. HANDLING AND STORAGE

Safe Handling Precautions: Minimize dust generation and accumulation on surfaces. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. See Section 8, "Exposure Controls and Personal Protection".

Storage: Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances (See Section 10, "Stability and Reactivity").

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:

OSHA (PEL):	0.5 mg/m ³ TWA. Prevent or reduce skin absorption.
ACGIH (TLV):	0.5 mg/m ³ TWA Skin – potential significant contribution to overall exposure by the cutaneous route.
NIOSH (REL):	0.5 mg/m ³ TWA 50 mg/m ³ IDLH Skin – potential for dermal absorption.

Engineering Controls: Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

Personal Protection: In accordance with OSHA 29 CFR 1910.132, subpart I, wear appropriate Personal Protective Equipment (PPE) to minimize exposure to this material.

Respiratory Protection: If workplace conditions warrant a respirator, a respiratory protection program that meets OSHA 29CFR 1910.134 must be followed. Refer to NIOSH 42 CFR 84 for applicable certified respirators.

Eye/Face Protection: Wear splash resistant safety goggles with a face shield. An eye wash station should be readily available near areas of use.

Skin and Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Chemical-resistant gloves should be worn at all times when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Descriptive Properties:

Appearance
(physical state, color, etc.):
Molecular Formula:
Molar Mass (g/mol):
Odor:
Odor threshold:
pH:
Evaporation rate:
Melting point/freezing point (°C):
Specific Gravity (water=1):
Vapor Pressure (mmHg):
Vapor Density (air = 1):
Viscosity (cP):

Lindane

white or yellow crystalline solid

 $C_6H_6Cl_6$
290.83
damp, moldy odor
not available
not available
not applicable
112 to 113 (233 to 235 °F)
1.89
 9.4×10^{-6} at 20 °C
not applicable
not applicable

Descriptive Properties:**Solubility(ies):****Lindane**

slightly soluble in water
(0.10 ppm at 20 °C),
soluble in acetone, benzene,
chloroform, cyclohexanone,
ether, xylene, fats, and oils
not available
not available

Partition coefficient (n-octanol/water):
Particle Size:**Thermal Stability Properties:****Autoignition Temperature (°C):**

not available

Thermal Decomposition (°C):

not available

Initial boiling point and boiling range (°C):

323 (613 °F)

Explosive Limits, LEL (Volume %):

not available

Explosive Limits, UEL (Volume %):

not available

Flash Point (°C):

not available

Flammability (solid, gas):

not available

10. STABILITY AND REACTIVITY

Reactivity: Stable at normal temperatures and pressure.**Stability:** Stable Unstable**Possible Hazardous Reactions:** None listed.**Conditions to Avoid:** Avoid heat, flames, sparks and other sources of ignition. Keep out of water supplies and sewers.**Incompatible Materials:** Bases, combustible materials, and metals.**Fire/Explosion Information:** See Section 5, "Fire Fighting Measures".**Hazardous Decomposition:** Thermal decomposition will produce oxides of carbon, phosgene, and halogenated compounds.**Hazardous Polymerization:** Will Occur Will Not Occur

11. TOXICOLOGICAL INFORMATION

Route of Exposure: Inhalation Skin Ingestion**Symptoms Related to the Physical, Chemical and Toxicological Characteristics:** Nausea, vomiting, diarrhea, stomach pain, and headache.**Potential Health Effects (Acute, Chronic and Delayed):****Inhalation:** Lindane may be absorbed through the lungs and may produce central nervous system effects including muscle twitching, myoclonic jerking, and convulsive seizures with periods of unconsciousness. Other symptoms of poisoning may be headache, nausea, vomiting, malaise, and dizziness. Chronic exposure may produce symptoms of depression, sleeplessness, headache, vomiting, asthenia, sleeplessness and neurological effects.**Skin Contact:** Same symptoms as in inhalation and ingestion if sufficient amounts are absorbed through the skin. Chronic exposure may cause dermatitis and urticarial.**Eye Contact:** May cause irritation. Prolonged or repeated exposure may cause conjunctivitis.**Ingestion:** Ingestion of food is the primary source of exposure for the general population. Acute and chronic ingestion may cause malaise, faintness, nausea, vomiting, muscle spasms, dizziness, ataxia, tremor, restlessness, cyanosis, kidney damage, liver damage, convulsions, unconsciousness, respiratory failure, and death. Lindane may cross the placenta and can be excreted in breast milk.**Numerical Measures of Toxicity:****Acute Toxicity:**

Category 3, Rat, Oral LD50: 76 mg/kg

Category 4, Rat, Inhalation LC50: 1.6 mg/L (4 h)

Category 3, Rabbit, Dermal LD50: 900 mg/kg

Skin Corrosion/Irritation: Not classified; no data available.

Serious Eye Damage/Eye Irritation: Not classified; no data available.

Respiratory Sensitization: Not classified; no data available.

Skin Sensitization: Not classified; no data available.

Germ Cell Mutagenicity: Not classified; no data available.

Carcinogenicity: Category 2

Listed as a Carcinogen/Potential Carcinogen Yes No

Lindane is listed by IARC as Group 2B (possibly carcinogenic to humans), and NTP as *reasonably anticipated to be a human carcinogen*. It is not listed by OSHA as a carcinogen/potential carcinogen.

Tumorigenic effects: Mouse, Oral TD: 25 g/kg (73 weeks)

Mutagenic effects: Hamster, 200 mg/L

Reproductive Toxicity:

Lactation: May be excreted in breast milk.

Specific Target Organ Toxicity, Single Exposure: Not classified; no data available.

Specific Target Organ Toxicity, Repeated Exposure: Category 2.

Aspiration Hazard: Not classified; no data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Data:

Fish Toxicity: Rainbow trout (*Oncorhynchus mykiss*) LC50 [static]: 16 to 19 µg/L (96 h)

Bluegill (*Lepomis macrochirus*) LC50 [static]: 23 to 28 µg/L (96 h)

Invertebrate Toxicity: Water flea (*Daphnia magna*) EC50 [static]: 0.48 to 0.551 mg/L (48 h)

Persistence and Degradability: No data available.

Bioaccumulative Potential: BCF value 168.66 (1400 fish species).

Mobility in Soil: No data available.

Other Adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of waste in accordance with all applicable federal, state, and local regulations. Subject to disposal regulations: US EPA 40 CFR 262. Hazardous Waste Numbers: U129; D013 for concentrations at or above 0.4 mg/L.

14. TRANSPORTATION INFORMATION

U.S. DOT and IATA: UN2761, Organochlorine pesticide, solid, toxic (lindane), 6.1, PG II, E4.

15. REGULATORY INFORMATION

U.S. Regulations:

CERCLA Sections 102a/103 (40 CFR 302.4): 1 lb (0.454 kg) final RQ

SARA Title III Section 302 (40 CFR 355.30): 1000 lb lower TPQ; 10 000 lb upper TPQ.

SARA Title III Section 304 (40 CFR 355.40): 1 lb EPCRA RQ.

SARA Title III Section 313 (40 CFR 372.65): 0.1 % de minimis concentration.

OSHA Process Safety (29 CFR 1910.119): Not regulated.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21):

ACUTE HEALTH: Yes.
CHRONIC HEALTH: Yes.
FIRE: No.
REACTIVE: No.
PRESSURE: No.

State Regulations:

California Proposition 65: WARNING! This product contains a chemical (lindane) known to the state of California to cause cancer.

U.S. TSCA Inventory: Listed.

TSCA 12(b), Export Notification: Lindane is listed.

Canadian Regulations:

WHMIS Information: Not provided for this material.

16. OTHER INFORMATION

Issue Date: 05 June 2015

Sources: ChemADVISOR, Inc., SDS *Lindane*, 20 March 2015.

Hazardous Substances Data Bank (HSDB), National Library of Medicine's TOXNET system, *Lindane* CAS No. 58-89-9; available at <http://toxnet.nlm.nih.gov> (accessed Jun 2015).

U.S. Environmental Protection Agency (EPA), Technology Transfer Network Air Toxics Web Site, *Lindane* (Gamma-Hexachlorocyclohexane); available at <http://www.epa.gov/ttn/atw/hlthef/lindane.html> (accessed Jun 2015).

Key of Acronyms:

ACGIH	American Conference of Governmental Industrial Hygienists	NRC	Nuclear Regulatory Commission
ALI	Annual Limit on Intake	NTP	National Toxicology Program
CAS	Chemical Abstracts Service	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
CFR	Code of Federal Regulations	RCRA	Resource Conservation and Recovery Act
DOT	Department of Transportation	REL	Recommended Exposure Limit
EC50	Effective Concentration, 50 %	RM	Reference Material
EINECS	European Inventory of Existing Commercial Chemical Substances	RQ	Reportable Quantity
EPCRA	Emergency Planning and Community Right-to-Know Act	RTECS	Registry of Toxic Effects of Chemical Substances
IARC	International Agency for Research on Cancer	SARA	Superfund Amendments and Reauthorization Act
IATA	International Air Transportation Agency	SCBA	Self-Contained Breathing Apparatus
IDLH	Immediately Dangerous to Life and Health	SRM	Standard Reference Material
LC50	Lethal Concentration, 50 %	STEL	Short Term Exposure Limit
LD50	Lethal Dose, 50 %	TLV	Threshold Limit Value
LEL	Lower Explosive Limit	TPQ	Threshold Planning Quantity
MSDS	Material Safety Data Sheet	TSCA	Toxic Substances Control Act
NFPA	National Fire Protection Association	TWA	Time Weighted Average
NIOSH	National Institute for Occupational Safety and Health	UEL	Upper Explosive Limit
NIST	National Institute of Standards and Technology	WHMIS	Workplace Hazardous Materials Information System

Disclaimer: Physical and chemical data contained in this SDS are provided only for use in assessing the hazardous nature of the material. The SDS was prepared carefully, using current references; however, NIST does not certify the data in the SDS. The reference values for this material are given in the NIST Report of Investigation.

Users of this RM should ensure that the SDS in their possession is current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; fax (301) 948-3730; e-mail srmmsds@nist.gov; or via the Internet at <http://www.nist.gov/srm>.

SAFETY DATA SHEET

1. SUBSTANCE AND SOURCE IDENTIFICATION

Product Identifier

SRM Number: 3068
SRM Name: Total Chlordane in Methanol
Other Means of Identification: Not applicable.

Recommended Use of This Material and Restrictions of Use

This Standard Reference Material (SRM) is intended primarily for calibrating chromatographic instrumentation used for the determination of the certified mixture. Because of its miscibility with water, SRM 3068 can also be used to fortify aqueous samples with known amounts of chlordane. A unit of SRM 3068 consists of five 2-milliliter ampoules, each containing approximately 1.2 mL of technical chlordane in methanol.

Company Information

National Institute of Standards and Technology
 Standard Reference Materials Program
 100 Bureau Drive, Stop 2300
 Gaithersburg, Maryland 20899-2300

Telephone: 301-975-2200
 FAX: 301-948-3730
 E-mail: SRMMSDS@nist.gov
 Website: <http://www.nist.gov/srm>

Emergency Telephone ChemTrec:
 1-800-424-9300 (North America)
 +1-703-527-3887 (International)

2. HAZARDS IDENTIFICATION

Classification

Physical Hazard:	Flammable Liquid	Category 2
Health Hazard:	Acute Toxicity, Oral	Category 3
	Acute Toxicity, Inhalation	Category 3
	Acute Toxicity, Dermal	Category 3
	STOT - Single Exposure	Category 1

Label Elements

Symbol



Signal Word

Danger

Hazard Statement(s)

H225 Highly flammable liquid and vapor.
 H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.
 H370 Causes damage to eyes, kidney, liver, heart, and central nervous system.

Precautionary Statement(s)

P210 Keep away from heat, sparks, open flames, and hot surfaces. — No smoking.
 P241 Use explosion-proof electrical, ventilating, lighting equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breathe dust, fumes, mists, vapors, or spray.
 P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves, protective clothing, and eye protection.

P301+P310 P330	If swallowed: Immediately call a doctor. Rinse mouth.
P303+P361+P353 P308+P311	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If exposed or concerned: Call a doctor.
P403+P235 P405	Store in a well-ventilated place. Keep cool. Store locked up.
P501	Dispose of contents and container according to local regulations.

Hazards Not Otherwise Classified: None.

Ingredients(s) with Unknown Acute Toxicity: None.

3. COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS

Substance: Methanol

Other Designations: Methyl alcohol; wood alcohol; methyl hydroxide; wood spirit; wood naphtha.

The health and safety information included in this SDS is for methanol, the main component. This material, a mixture of methanol containing trace amounts of chlordane (Chemical Abstracts Registry Number 12789-03-6) has not been tested as a whole. The concentration of chlordane in is below the reportable limits for hazardous components (1 %) and/or carcinogens (0.1 %), as required by OSHA, 29 CFR 1910.1200, for SDS information. For the actual values, see the Certificate of Analysis.

Hazardous Component(s)	CAS Number	EC Number (EINECS)	Nominal Mass Concentration (%)
Methanol	67-56-1	200-659-6	>99.9

4. FIRST AID MEASURES

Description of First Aid Measures

Inhalation: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Skin Contact: Rinse affected skin with water for at least 15 minutes, then wash thoroughly with soap or mild detergent and water. If skin irritation persists, seek medical aid and bring the container or label.

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Ingestion: If a large amount is swallowed, get medical attention.

Most Important Symptoms/Effects, Acute and Delayed: Skin irritation, eye irritation, central nervous system depression, and nerve damage. May cause blindness.

Indication of any immediate medical attention and special treatment needed, if necessary: If any of the above symptoms are present, seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Severe fire hazard. Vapor/air mixtures are explosive above the flash point. Vapors or gases may ignite at distant ignition sources and flash back. See Section 9, "Physical and Chemical Properties" for flammability properties.

Extinguishing Media

Suitable: Regular dry chemical, carbon dioxide, water, or alcohol-resistant foam.

Unsuitable: None listed.

Specific Hazards Arising from the Chemical: Not applicable.

Special Protective Equipment and Precautions for Fire-Fighters: Move container from fire area if it can be done without personal risk. Avoid inhalation of material or combustion by-products. Wear full protective clothing and NIOSH-approved self-contained breathing apparatus (SCBA).

NFPA Ratings (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe)

Health = 2 Fire = 3 Reactivity = 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Use suitable protective equipment; see Section 8, “Exposure Controls and Personal Protection”. Keep out of waters supplies and sewers.

Methods and Materials for Containment and Clean up: Avoid heat, flames, sparks and other sources of ignition. Stop leak if possible without personal risk, with water spray to reduce vapors. Absorb spilled material with sand or non-combustible material and collect in appropriate container for disposal.

7. HANDLING AND STORAGE

Safe Handling Precautions: Handle glass ampoules with care. See Section 8, “Exposure Controls and Personal Protection”.

Storage and Incompatible Materials: Store in a well-ventilated area. Keep separated from incompatible substances (See Section 10, “Stability and Reactivity”).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

Methanol:

OSHA (PEL): 260 mg/m³; 200 ppm TWA

ACGIH (TLV): 200 ppm TWA

250 ppm STEL

Skin – potential significant contribution to overall exposure by the cutaneous route.

NIOSH (REL): 260 mg/m³; 200 ppm TWA

325 mg/m³; 250 ppm STEL

6000 ppm IDLH

Potential for dermal absorption.

Engineering Controls: Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

Personal Protection Measures: In accordance with OSHA 29 CFR 1910.132, subpart I, wear appropriate Personal Protective Equipment (PPE) to minimize exposure to this material.

Respiratory Protection: If workplace conditions warrant a respirator, a respiratory protection program that meets OSHA 29CFR 1910.134 must be followed. Refer to NIOSH 42 CFR 84 for applicable certified respirators.

Eye Protection: Splash resistant safety goggles and emergency eyewash are recommended.

Skin and Body Protection: Chemical resistant clothing and gloves are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Descriptive Properties

Methanol (>99.9 % of this SRM)

Molar Mass (g/mol)	32.04
Molecular Formula	CH ₃ OH
Appearance (physical state, color, etc.)	clear, colorless liquid
Odor	alcohol odor
Odor threshold	100 ppm
pH	not available
Evaporation rate (butyl acetate = 1)	4.6
Melting point/freezing point	-94 °C (-137 °F)
Relative Density as Specific Gravity (water = 1)	0.7914
Density	not available
Vapor Pressure	97.25 mmHg at 20 °C
Vapor Density (air = 1)	1.11
Viscosity	0.59 cP at 20 °C
Solubilities	soluble in water solvent: ether, benzene, acetone, chloroform, ethanol, ketones, organic solvents
Partition coefficient (n-octanol/water)	not available

Thermal Stability Properties

Autoignition Temperature	385 °C (725 °F)
Thermal Decomposition	not available
Initial boiling point and boiling range	65 °C (149 °F)
Explosive Limits, LEL (Volume %)	6
Explosive Limits, UEL (Volume %)	36
Flash Point (Closed Cup)	11 °C (51.8 °F)
Flammability (solid, gas)	not applicable

10. STABILITY AND REACTIVITY

Reactivity: Stable at normal temperatures and pressure.

Stability: X Stable Unstable

Possible Hazardous Reactions: Not applicable.

Conditions to Avoid: Avoid heat, flames, sparks, and other sources of ignition. Minimize contact with material. Avoid inhalation of material or combustion by-products. Keep out of water supplies and sewers.

Incompatible Materials: Halo carbons, combustible materials, metals, oxidizing materials, halogens, metal carbide, bases, acids, and amines.

Hazardous Decomposition: Oxides of carbon.

Hazardous Polymerization: Will Occur X Will Not Occur

11. TOXICOLOGICAL INFORMATION

Route of Exposure: X Inhalation X Skin X Ingestion

Symptoms Related to the Physical, Chemical and Toxicological Characteristics: Skin irritation, eye irritation, central nervous system depression, and nerve damage. May cause blindness.

Potential Health Effects (Acute, Chronic, and Delayed)

Inhalation: Acute and chronic exposure may cause irritation, cough, ringing in the ears, constipation, headache, drowsiness, dizziness, tingling sensation, pain in extremities, tremors, loss of coordination, blood disorders, and nerve damage. Chronic exposure may also cause sensitivity to light, changes in blood pressure, digestive issues, difficulty breathing, irregular heartbeat, visual disturbances, blindness, bluish skin color, lung congestion, heart damage, kidney damage, liver damage, reproductive effects, effects on the brain, convulsions, unconsciousness, and coma.

Skin Contact: Acute and chronic exposure may result in irritation, absorption may occur, headache, drowsiness, loss of coordination, blood disorders, and nerve damage.

Eye Contact: Acute and chronic exposure may cause irritation; acute may cause eye damage.

Ingestion: Acute and chronic exposure may cause the same effects as listed for inhalation.

Numerical Measures of Toxicity

Acute Toxicity: Category 3 for Oral, Inhalation, and Dermal.

Methanol: Human, Oral, LDLo: 143 mg/kg

Rat, Oral, LD50: 5628 mg/kg

Rat, Inhalation, LC50: 83.2 mg/L (4 h); 145 000 ppm (1 h); 64 000 ppm (4 h)

Rabbit, Dermal, LD50: 15 800 mg/kg

Skin Corrosion/Irritation: Not classified.

Methanol: Rabbit, Skin: 20 mg (24 h) moderate

Serious Eye Damage/Eye Irritation: Not classified.

Methanol: Rabbit, Eyes: 100 mg (24 h) moderate; 40 mg moderate

Respiratory Sensitization: Not classified; no data available.

Skin Sensitization: Not classified; no data available.

Germ Cell Mutagenicity: Not classified; no data available.

Carcinogenicity: Not classified.

Listed as a Carcinogen/Potential Carcinogen Yes X No
Methanol is not listed by IARC, NTP, or OSHA as a carcinogen/potential carcinogen.

Methanol: Tumorigenic: Rat, Inhalation, TCLo: 1000 ppm (2 years)

Mutagenic: Mouse, Oral TD: 1 g/kg (cytogenetic analysis)

Rat, Oral TD: 10 µmol/kg (DNA damage)

Human, lymphocyte TC: 300 mmol/L (DNA inhibition)

Reproductive Toxicity: Not classified.

Methanol: Rat Inhalation TCLo: 5000 ppm (pregnant 7 d to 17 d)

Rat Oral TDLo: 6000 mg/kg (pregnant 15 d to 17 d)

Specific Target Organ Toxicity, Single Exposure: Category 1, Causes damage to central nervous system.

Specific Target Organ Toxicity, Repeated Exposure: Not classified; no data available.

Aspiration Hazard: Not applicable.

12. ECOLOGICAL INFORMATION

Ecotoxicity Data

Methanol:

Fish, Bluegill, (*Lepomis macrochirus*), LC50: 13 500 mg/L to 17 600 mg/L (96 h) flow-through

Fish, Fathead minnow (*Pimephales promelas*), LC50: 28 200 mg/ L (96 h) flow-through

Fish, Fathead minnow (*Pimephales promelas*), LC50: >100 mg/L (96 h) static

Persistence and Degradability: No data available.

Bioaccumulative Potential: <10 species: fish.

Mobility in Soil: No data available.

Other Adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose in accordance with all applicable federal, state, and local regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): U154.

14. TRANSPORTATION INFORMATION

U.S. DOT and IATA: UN1230, Methanol, Hazard Class 3, 6.1, Packing Group II.

15. REGULATORY INFORMATION

U.S. Regulations

CERCLA Sections 102a/103 (40 CFR 302.4): 5000 lbs (2270 kg) final RQ.

SARA Title III Section 302 (40 CFR 355.30): Not regulated.

SARA Title III Section 304 (40 CFR 355.40): Not regulated.

SARA Title III Section 313 (40 CFR 372.65): 1.0 % de minimis concentrations.

OSHA Process Safety (29 CFR 1910.119): Not regulated.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21):

ACUTE HEALTH: Yes

CHRONIC HEALTH: Yes

FIRE: Yes

REACTIVE: No

PRESSURE: No

State Regulations: California Proposition 65: WARNING! This product contains a chemical (methanol) known to the state of California to cause reproductive/developmental effects.

U.S. TSCA Inventory: Methanol is listed.

TSCA 12(b), Export Notification: Not listed.

Canadian Regulations: WHMIS Information: Not provided for this material.

16. OTHER INFORMATION

Issue Date: 05 May 2015

Sources: ChemADVISOR, Inc., SDS *Methyl Alcohol*, 20 March 2015.

CDC, NIOSH, *Methanol*, RTECS# *PC1400000*, CAS No. *67-56-1*; available at <http://www.cdc.gov/niosh-rtecs/PC155CC0.html> (accessed May 2015).

Key of Acronyms:

ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
CAS	Chemical Abstracts Service	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
CFR	Code of Federal Regulations	RCRA	Resource Conservation and Recovery Act
DOT	Department of Transportation	REL	Recommended Exposure Limit
EINECS	European Inventory of Existing Commercial Chemical Substances	RQ	Reportable Quantity
EPCRA	Emergency Planning and Community Right-to-Know Act	RTECS	Registry of Toxic Effects of Chemical Substances
IARC	International Agency for Research on Cancer	SARA	Superfund Amendments and Reauthorization Act
IATA	International Air Transportation Agency	SCBA	Self-Contained Breathing Apparatus
IDLH	Immediately Dangerous to Life and Health	SRM	Standard Reference Material
LC50	Lethal Concentration	STEL	Short Term Exposure Limit
LD50	Median Lethal Dose or Lethal Dose, 50 %	STOT	Specific Target Organ Toxicity
LEL	Lower Explosive Limit	TLV	Threshold Limit Value
MSDS	Material Safety Data Sheet	TPQ	Threshold Planning Quantity
NFPA	National Fire Protection Association	TSCA	Toxic Substances Control Act
NIOSH	National Institute for Occupational Safety and Health	TWA	Time Weighted Average
NIST	National Institute of Standards and Technology	UEL	Upper Explosive Limit
n.o.s.	Not Otherwise Specified	WHMIS	Workplace Hazardous Materials Information System

Disclaimer: Physical and chemical data contained in this SDS are provided only for use in assessing the hazardous nature of the material. The SDS was prepared carefully, using current references; however, NIST does not certify the data in the SDS. The values for this material are given in the NIST Certificate of Analysis.

Users of this SRM should ensure that the SDS in their possession is current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; fax (301) 948-3730; e-mail srmmsds@nist.gov; or via the Internet at <http://www.nist.gov/srm>.

SAFETY DATA SHEET

1. SUBSTANCE AND SOURCE IDENTIFICATION

Product Identifier

RM Number: 8467

RM Name: 4,4'-DDE

Other Means of Identification: Not applicable.

Recommended Use of This Material and Restrictions of Use

This Reference Material (RM) is intended for use in the evaluation of procedures and working standards in environmental samples. RM 8467 is provided as a primary reference compound of measured purity for 1,1'-(dichloroethylenylidene) bis[4-chlorobenzene] (4,4'-DDE). A unit of RM 8467 consists of one vial containing approximately 100 mg of 4,4'-DDE.

Company Information

National Institute of Standards and Technology
Standard Reference Materials Program
100 Bureau Drive, Stop 2300
Gaithersburg, Maryland 20899-2300

Telephone: 301-975-2200

FAX: 301-948-3730

E-mail: SRMMSDS@nist.gov

Website: <http://www.nist.gov/srm>

Emergency Telephone ChemTrec:

1-800-424-9300 (North America)

+1-703-527-3887 (International)

2. HAZARDS IDENTIFICATION

Classification

Physical Hazard: Not classified.

Health Hazard: Acute Toxicity, Oral Category 4
Carcinogen Category 2

Label Elements

Symbol



Signal Word

WARNING

Hazard Statement(s):

H301 Harmful if swallowed.

H351 Suspected of causing cancer.

Precautionary Statement(s):

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves, protective clothing, and eye protection.

P301 + P312 If swallowed: call a doctor if you feel unwell.

P330 Rinse mouth.

P308 + P313 If exposed or concerned: Get medical attention.

P405 Store locked up.

P501 Dispose of contents and container according to local regulations.

Hazards Not Otherwise Classified: Not applicable.

Ingredients(s) with Unknown Acute Toxicity: Not applicable.

3. COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS

Substance: 4,4'-DDE

Other Designations: 1,1-dichloro-2,2-bis(p-chlorophenyl)ethylene; dichlorodiphenyldichloroethylene; NCI-C00555; 2,2-bis(4-chlorophenyl)-1,1-dichloroethylene; Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)-; C₁₄H₈Cl₄.

Components listed below are in compliance with OSHA's 29 CFR 1910.1200.

Component(s)	CAS Number	EC Number (EINECS)	Nominal Mass Concentration (%)
4,4'-DDE	72-55-9	200-784-6	99.8

4. FIRST AID MEASURES

Description of First Aid Measures:

Inhalation: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Skin Contact: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Eye Contact: Flush eyes with water for at least 15 minutes. Then get immediate medical attention.

Ingestion: Contact local poison control center or physician immediately. Never make an unconscious person vomit or drink fluids. When vomiting occurs, keep head lower than hips to help prevent aspiration. If person is unconscious, turn head to side. Get medical attention immediately.

Most Important Symptoms/Effects, Acute and Delayed: Organochlorine pesticides cause liver and kidney damage.

Indication of any immediate medical attention and special treatment needed, if necessary: If any of the above symptoms are present, seek medical attention if needed.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Slight fire hazard. See Section 9, "Physical and Chemical Properties" for flammability properties.

Extinguishing Media:

Suitable: Regular dry chemical, carbon dioxide, water, and regular foam.

Unsuitable: None listed.

Specific Hazards Arising from the Chemical: None listed.

Special Protective Equipment and Precautions for Fire-Fighters: Avoid inhalation of material or combustion byproducts. Wear full protective clothing and NIOSH approved self-contained breathing apparatus (SCBA).

NFPA Ratings (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe)

Health = 1 Fire = 1 Reactivity = 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Any accumulated material on surfaces should be removed and properly disposed of. Use suitable protective equipment; see Section 8, "Exposure Controls and Personal Protection".

Methods and Materials for Containment and Clean up: Do not touch spilled material. Notify safety personnel of spills. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Isolate hazard area and deny entry. Subject to California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). Keep out of water supplies and sewers.

7. HANDLING AND STORAGE

Safe Handling Precautions: Minimize dust generation and accumulation on surfaces. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. See Section 8, "Exposure Controls and Personal Protection".

Storage: Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances (See Section 10, "Stability and Reactivity").

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits: No occupational exposure limits have been established for 4,4'-DDE.

Engineering Controls: Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

Personal Protection: In accordance with OSHA 29 CFR 1910.132, subpart I, wear appropriate Personal Protective Equipment (PPE) to minimize exposure to this material.

Respiratory Protection: If workplace conditions warrant a respirator, a respiratory protection program that meets OSHA 29CFR 1910.134 must be followed. Refer to NIOSH 42 CFR 84 for applicable certified respirators.

Eye/Face Protection: Wear splash resistant safety goggles with a face shield. An eye wash station should be readily available near areas of use.

Skin and Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Chemical-resistant gloves should be worn at all times when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Descriptive Properties:

Appearance

(physical state, color, etc.):

Molecular Formula:

Molar Mass (g/mol):

Odor:

Odor threshold:

pH:

Evaporation rate:

Melting point/freezing point:

Specific Gravity (water=1):

Vapor Pressure (mmHg):

Vapor Density (air = 1):

Viscosity (cP):

Solubility(ies):

Partition coefficient (n-octanol/water):

Particle Size:

4,4'-DDE

white crystalline solid

C₁₄H₈Cl₄

318.03

not available

not available

not available

not applicable

88 °C to 90 °C
(191 °F to 194 °F)

not available

6.0 x 10⁻⁶

not applicable

not applicable

insoluble in water (0.12 ppm
at 25 °C), ethanol, acetone,
dichloromethane, fats, and
organic solvents

not available

not available

Thermal Stability Properties:

Autoignition Temperature (°C):

Thermal Decomposition (°C):

Initial boiling point and boiling range (°C):

Explosive Limits, LEL (Volume %):

Explosive Limits, UEL (Volume %):

Flash Point (°C):

Flammability (solid, gas):

not available

not available

not available

not available

not available

not available

not available

10. STABILITY AND REACTIVITY

Reactivity: Stable at normal temperatures and pressure.

Stability: X Stable Unstable

Possible Hazardous Reactions: None listed.

Conditions to Avoid: Avoid heat, flames, sparks and other sources of ignition. Keep out of water supplies and sewers.

Incompatible Materials: Bases, combustible materials, metal salts, metals, and oxidizing materials.

Fire/Explosion Information: See Section 5, "Fire Fighting Measures".

Hazardous Decomposition: Thermal decomposition will produce oxides of carbon.

Hazardous Polymerization: Will Occur X Will Not Occur

11. TOXICOLOGICAL INFORMATION

Route of Exposure: X Inhalation X Skin X Ingestion

Symptoms Related to the Physical, Chemical and Toxicological Characteristics: Nausea, vomiting, diarrhea, stomach pain, and headache.

Potential Health Effects (Acute, Chronic and Delayed):

Inhalation: Same as ingestion if sufficient amounts are absorbed through the lungs.

Skin Contact: Same as ingestion if sufficient amounts are absorbed through the skin.

Eye Contact: No information available.

Ingestion: Oral ingestion of food is the primary source of exposure for the general population. Acute and chronic ingestion may cause nausea, vomiting, diarrhea, stomach pain, headache, dizziness, disorientation, tingling sensation, kidney damage, liver damage, convulsions, coma, and death. 4,4' DDE may cross the placenta and can be excreted in breast milk.

Numerical Measures of Toxicity:

Acute Toxicity: Category 4, Oral
Rat, Oral LD50: 850 mg/kg

Skin Corrosion/Irritation: Not classified; no data available.

Serious Eye Damage/Eye Irritation: Not classified; no data available.

Respiratory Sensitization: Not classified; no data available.

Skin Sensitization: Not classified; no data available.

Germ Cell Mutagenicity: Not classified; no data available.

Carcinogenicity: Category 2

Listed as a Carcinogen/Potential Carcinogen X Yes No
4,4'-DDE is listed by IARC as Group 2B (possibly carcinogenic to humans). It is not listed by NTP or OSHA as a carcinogen/potential carcinogen.

Tumorigenic effects: Mouse, Oral TD: 17 g/kg (78 weeks)

Mutagenic effects: Hamster, 20 mg/L

Reproductive Toxicity: Not classified; no data available.

Specific Target Organ Toxicity, Single Exposure: Not classified; no data available.

Specific Target Organ Toxicity, Repeated Exposure: Not classified; no data available.

Aspiration Hazard: Not classified; no data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Data:

Fish Toxicity: Rainbow trout (*Oncorhynchus mykiss*) LC50 [static]: > 87 µg/L (24 h)
Bluegill (*Lepomis macrochirus*) LC50 [static]: 240 µg/L (96 h)

Persistence and Degradability: No data available.

Bioaccumulative Potential: BCF values of 27,500 to 81,000.

Mobility in Soil: No data available.

Other Adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of waste in accordance with all applicable federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

U.S. DOT and IATA: This material is not regulated by DOT or IATA.

15. REGULATORY INFORMATION

U.S. Regulations:

CERCLA Sections 102a/103 (40 CFR 302.4): 1 lb (0.454 kg) final RQ

SARA Title III Section 302 (40 CFR 355.30): Not regulated.

SARA Title III Section 304 (40 CFR 355.40): Not regulated.

SARA Title III Section 313 (40 CFR 372.65): Not regulated.

OSHA Process Safety (29 CFR 1910.119): Not regulated.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21):

ACUTE HEALTH:	No.
CHRONIC HEALTH:	Yes.
FIRE:	No.
REACTIVE:	No.
PRESSURE:	No.

State Regulations:

California Proposition 65: WARNING! This product contains a chemical (4,4'-DDE) known to the state of California to cause cancer and reproductive/developmental effects.

U.S. TSCA Inventory: Listed.

TSCA 12(b), Export Notification: Not listed.

Canadian Regulations:

WHMIS Information: Not provided for this material.

16. OTHER INFORMATION

Issue Date: 12 May 2015

Sources: ChemADVISOR, Inc., SDS 4,4'-DDE, 20 March 2015.

Hazardous Substances Data Bank (HSDB), National Library of Medicine's TOXNET system, *DDE CAS No. 72-55-9*; available at <http://toxnet.nlm.nih.gov> (accessed May 2015).

U.S. Environmental Protection Agency (EPA), Technology Transfer Network Air Toxics Web Site, *DDE*; available at <http://www.epa.gov/ttnatw01/hlthef/dde.html> (accessed May 2015).

Key of Acronyms:

ACGIH	American Conference of Governmental Industrial Hygienists	NRC	Nuclear Regulatory Commission
ALI	Annual Limit on Intake	NTP	National Toxicology Program
CAS	Chemical Abstracts Service	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
CFR	Code of Federal Regulations	RCRA	Resource Conservation and Recovery Act
DOT	Department of Transportation	REL	Recommended Exposure Limit
EC50	Effective Concentration, 50 %	RM	Reference Material
EINECS	European Inventory of Existing Commercial Chemical Substances	RQ	Reportable Quantity
EPCRA	Emergency Planning and Community Right-to-Know Act	RTECS	Registry of Toxic Effects of Chemical Substances
IARC	International Agency for Research on Cancer	SARA	Superfund Amendments and Reauthorization Act
IATA	International Air Transportation Agency	SCBA	Self-Contained Breathing Apparatus
IDLH	Immediately Dangerous to Life and Health	SRM	Standard Reference Material
LC50	Lethal Concentration, 50 %	STEL	Short Term Exposure Limit
LD50	Lethal Dose, 50 %	TLV	Threshold Limit Value
LEL	Lower Explosive Limit	TPQ	Threshold Planning Quantity
MSDS	Material Safety Data Sheet	TSCA	Toxic Substances Control Act
NFPA	National Fire Protection Association	TWA	Time Weighted Average
NIOSH	National Institute for Occupational Safety and Health	UEL	Upper Explosive Limit
NIST	National Institute of Standards and Technology	WHMIS	Workplace Hazardous Materials Information System

Disclaimer: Physical and chemical data contained in this SDS are provided only for use in assessing the hazardous nature of the material. The SDS was prepared carefully, using current references; however, NIST does not certify the data in the SDS. The reference values for this material are given in the NIST Report of Investigation.

Users of this RM should ensure that the SDS in their possession is current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; fax (301) 948-3730; e-mail srmmsds@nist.gov; or via the Internet at <http://www.nist.gov/srm>.

SAFETY DATA SHEET

1. SUBSTANCE AND SOURCE IDENTIFICATION

Product Identifier

RM Number: 8469
RM Name: 4,4'-DDT
Other Means of Identification: Not applicable.

Recommended Use of This Material and Restrictions of Use

This Reference Material (RM) is intended for use in the evaluation of procedures and working standards in used in the measurement of dichlorodiphenyltrichloroethane (4,4'-DDT) in environmental samples. RM 8469 is provided as a primary reference compound of measured purity for 4,4'-DDT. A unit of RM 8469 consists of one vial containing approximately 100 mg of 4,4'-DDT.

Company Information

National Institute of Standards and Technology
 Standard Reference Materials Program
 100 Bureau Drive, Stop 2300
 Gaithersburg, Maryland 20899-2300

Telephone: 301-975-2200
 FAX: 301-948-3730
 E-mail: SRMMSDS@nist.gov
 Website: <http://www.nist.gov/srm>

Emergency Telephone ChemTrec:
 1-800-424-9300 (North America)
 +1-703-527-3887 (International)

2. HAZARDS IDENTIFICATION

Classification

Physical Hazard: Not classified.
Health Hazard: Acute Toxicity, Oral, Dermal Category 3
 Carcinogenicity Category 2
 STOT, Repeated exposure Category 1

Label Elements
Symbol



Signal Word
 DANGER

Hazard Statement(s):

H301+H311 Toxic if swallowed or in contact with skin.
 H351 Suspected of causing cancer.
 H372 Causes damage to organs <central nervous system> through prolonged or repeated exposure <ingestion>.

Precautionary Statement(s):

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe dust.
 P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves, protective clothing, and eye protection.
 P301+P310 If on skin: Wash with plenty of water.
 P361+P364 Take off immediately all contaminated clothing and wash it before reuse.

P301+P310 If swallowed: Immediately call a doctor.
P330 Rinse mouth.
P312 Call a doctor.
P405 Store locked up.
P501 Dispose of contents and container according to local regulations.

Hazards Not Otherwise Classified: Not applicable.

Ingredients(s) with Unknown Acute Toxicity: Not applicable.

3. COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS

Substance: 4,4'-DDT

Other Designations: DDT; *p,p'*-DDT; 1,1'-(2,2,2-trichloroethylidene)bis(4-chlorobenzene); dicophane; 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane; alpha,alpha-bis(p-chlorophenyl)-beta,beta,beta-trichloroethane; pentachlorin; RCRA U061; C₁₄H₉Cl₅.

Components listed below are in compliance with OSHA's 29 CFR 1910.1200.

Component(s)	CAS Number	EC Number (EINECS)	Nominal Mass Concentration (%)
4,4'-DDT	50-29-3	200-024-3	99.8

4. FIRST AID MEASURES

Description of First Aid Measures:

Inhalation: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Skin Contact: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Eye Contact: Flush eyes with water for at least 15 minutes. Then get immediate medical attention.

Ingestion: If swallowed, drink plenty of water, do NOT induce vomiting. Get immediate medical attention. Induce vomiting only at the instructions of a physician. Do not give anything by mouth to unconscious or convulsive person.

Most Important Symptoms/Effects, Acute and Delayed: Organochlorine pesticides cause liver and kidney damage.

Indication of any immediate medical attention and special treatment needed, if necessary: If any of the above symptoms are present, seek medical attention if needed.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Slight fire hazard. See Section 9, "Physical and Chemical Properties" for flammability properties.

Extinguishing Media:

Suitable: Regular dry chemical, water, and regular foam.

Unsuitable: None listed.

Specific Hazards Arising from the Chemical: None listed.

Special Protective Equipment and Precautions for Fire-Fighters: Avoid inhalation of material or combustion byproducts. Wear full protective clothing and NIOSH approved self-contained breathing apparatus (SCBA).

NFPA Ratings (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe)

Health = 2 Fire = 1 Reactivity = 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Any accumulated material on surfaces should be removed and properly disposed of. Use suitable protective equipment; see Section 8, "Exposure Controls and Personal Protection".

Methods and Materials for Containment and Clean up: Do not touch spilled material. Notify safety personnel of spills. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Isolate hazard area and deny entry. Subject to California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). Keep out of water supplies and sewers.

7. HANDLING AND STORAGE

Safe Handling Precautions: Minimize dust generation and accumulation on surfaces. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. See Section 8, "Exposure Controls and Personal Protection".

Storage: Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances (See Section 10, "Stability and Reactivity").

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:

ACGIH (TLV): 1 mg/m³ (TWA)

NIOSH (REL): 0.5 mg/m³ (TWA)
500 mg/m³ (IDLH)

OSHA (PEL): 1 mg/m³ (TWA)
Prevent or reduce skin absorption.

Engineering Controls: Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

Personal Protection: In accordance with OSHA 29 CFR 1910.132, subpart I, wear appropriate Personal Protective Equipment (PPE) to minimize exposure to this material.

Respiratory Protection: If workplace conditions warrant a respirator, a respiratory protection program that meets OSHA 29CFR 1910.134 must be followed. Refer to NIOSH 42 CFR 84 for applicable certified respirators.

Eye/Face Protection: Wear splash resistant safety goggles with a face shield. An eye wash station should be readily available near areas of use.

Skin and Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Chemical-resistant gloves should be worn at all times when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Descriptive Properties:

Appearance

(physical state, color, etc.):

Molecular Formula:

Molar Mass (g/mol):

Odor:

Odor threshold:

pH:

Evaporation rate:

Melting point/freezing point:

Specific Gravity (water=1):

Vapor Pressure (mmHg):

Vapor Density (air = 1):

Viscosity (cP):

Solubility(ies):

Partition coefficient (n-octanol/water):

Particle Size:

4,4'-DDT

white crystalline solid

C₁₄H₉Cl₅

354.49

not available

not available

not available

not applicable

107 °C to 109 °C

(224.6 °F to 228.2 °F)

1.56 at 15 °C

not available

not applicable

not applicable

insoluble in water (0.12 ppm at 25 °C),
soluble in acetone, ether, pyridines, kerosene,
benzene, carbon tetrachloride, dioxane, chloroform,
and organic solvents

not available

not available

Thermal Stability Properties:	4,4' DDT
Autoignition Temperature (°C):	not available
Thermal Decomposition (°C):	not available
Initial boiling point and boiling range (°C):	260 °C (500 °F)
Explosive Limits, LEL (Volume %):	not available
Explosive Limits, UEL (Volume %):	not available
Flash Point (°C):	not available
Flammability (solid, gas):	not available

10. STABILITY AND REACTIVITY

Reactivity: Stable at normal temperatures and pressure.

Stability: X Stable Unstable

Possible Hazardous Reactions: None listed.

Conditions to Avoid: Avoid heat, flames, sparks and other sources of ignition. Keep out of water supplies and sewers.

Incompatible Materials: Bases, combustible materials, metal salts, metals, and oxidizing materials.

Fire/Explosion Information: See Section 5, "Fire Fighting Measures".

Hazardous Decomposition: Thermal decomposition will produce chlorides and oxides of carbon.

Hazardous Polymerization: Will Occur X Will Not Occur

11. TOXICOLOGICAL INFORMATION

Route of Exposure: X Inhalation X Skin X Ingestion

Symptoms Related to the Physical, Chemical and Toxicological Characteristics: Nausea, vomiting, diarrhea, stomach pain, and headache.

Potential Health Effects (Acute, Chronic and Delayed):

Inhalation: Same as ingestion if sufficient amounts are absorbed through the lungs.

Skin Contact: Same as ingestion if sufficient amounts are absorbed through the skin.

Eye Contact: May cause eye irritation.

Ingestion: Oral ingestion of food is the primary source of exposure for the general population. Acute and chronic ingestion was cause nausea, vomiting, diarrhea, stomach pain, headache, dizziness, disorientation, tingling sensation, kidney damage, liver damage, convulsions, coma, and death. 4,4'-DDT may cross the placenta and can be excreted in breast milk.

Numerical Measures of Toxicity:

Acute Toxicity: Category 3, Oral, Dermal

 Rat, Oral LD50: 87 mg/kg

 Rabbit, Dermal LD50: 300 mg/kg

Skin Corrosion/Irritation: Not classified; no data available.

Serious Eye Damage/Irritation: Not classified.

 Human, Eye: 423 mg/m³ for 1 h day for 6 d (irritation)

Respiratory Sensitization: Not classified; no data available.

Skin Sensitization: Not classified; no data available.

Germ Cell Mutagenicity: Not classified; no data available.

Carcinogenicity: Category 2

Listed as a Carcinogen/Potential Carcinogen X Yes No

 4,4'-DDT is listed by IARC as Group 2B (possibly carcinogenic to humans) and by NTP as *Reasonably Anticipated To Be A Human Carcinogen*. It is not listed by OSHA as a carcinogen/potential carcinogen.

 Tumorigenic effects: Rat, Oral TD: 438 mg/kg (2 years)

 Mutagenic effects: Human, 200 µg/L (72 h)

Reproductive Toxicity: Not classified; no data available.
Rat, Oral, TDLo: 430 mg/kg (pregnant 1 d to 21 d, 21 d).

Specific Target Organ Toxicity, Single Exposure: Not classified; no data available.

Specific Target Organ Toxicity, Repeated Exposure: Category 1, prolonged or repeated exposure may damage the central nervous system.

Aspiration Hazard: Not classified; no data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Data:

Fish Toxicity: Rainbow trout (*Oncorhynchus mykiss*) LC50 [static]: 1.25 µg/L to 3.59 µg/L (96 h)
Invertebrate: Water flea (*Daphnia magna*) LC50 [static]: 0.000 46 mg/L to 0.001 mg/L (48 h)

Persistence and Degradability: No data available.

Bioaccumulative Potential: BCF 1.17 species: fish.

Mobility in Soil: No data available.

Other Adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of waste in accordance with all applicable federal, state, and local regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): U061.

14. TRANSPORTATION INFORMATION

U.S. DOT and IATA: UN2761, Organochlorine pesticide, solid, n.o.s. (4,4'-DDT); Hazard class 6.1, PG III, Excepted Quantity: E1.

15. REGULATORY INFORMATION

U.S. Regulations:

CERCLA Sections 102a/103 (40 CFR 302.4): 1 lb (0.454 kg) final RQ.

SARA Title III Section 302 (40 CFR 355.30): Not regulated.

SARA Title III Section 304 (40 CFR 355.40): Not regulated.

SARA Title III Section 313 (40 CFR 372.65): Not regulated.

OSHA Process Safety (29 CFR 1910.119): Not regulated.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21):

ACUTE HEALTH:	Yes.
CHRONIC HEALTH:	Yes.
FIRE:	No.
REACTIVE:	No.
PRESSURE:	No.

State Regulations:

California Proposition 65: WARNING! This product contains a chemical (4,4'-DDT) known to the state of California to cause cancer and reproductive/developmental effects.

U.S. TSCA Inventory: Listed.

TSCA 12(b), Export Notification: Section 5, 0.1 % de minimus concentration.

Canadian Regulations:

WHMIS Information: Not provided for this material.

16. OTHER INFORMATION

Issue Date: 28 May 2015

Sources: ChemADVISOR, Inc., SDS *Dichlorodiphenyltrichloroethane*, 20 March 2015.






Key of Acronyms:

ACGIH	American Conference of Governmental Industrial Hygienists	NRC	Nuclear Regulatory Commission
ALI	Annual Limit on Intake	NTP	National Toxicology Program
CAS	Chemical Abstracts Service	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
CFR	Code of Federal Regulations	RCRA	Resource Conservation and Recovery Act
DOT	Department of Transportation	REL	Recommended Exposure Limit
EC50	Effective Concentration, 50 %	RM	Reference Material
EINECS	European Inventory of Existing Commercial Chemical Substances	RQ	Reportable Quantity
EPCRA	Emergency Planning and Community Right-to-Know Act	RTECS	Registry of Toxic Effects of Chemical Substances
IARC	International Agency for Research on Cancer	SARA	Superfund Amendments and Reauthorization Act
IATA	International Air Transportation Agency	SCBA	Self-Contained Breathing Apparatus
IDLH	Immediately Dangerous to Life and Health	SRM	Standard Reference Material
LC50	Lethal Concentration, 50 %	STEL	Short Term Exposure Limit
LD50	Lethal Dose, 50 %	TLV	Threshold Limit Value
LEL	Lower Explosive Limit	TPQ	Threshold Planning Quantity
MSDS	Material Safety Data Sheet	TSCA	Toxic Substances Control Act
NFPA	National Fire Protection Association	TWA	Time Weighted Average
NIOSH	National Institute for Occupational Safety and Health	UEL	Upper Explosive Limit
NIST	National Institute of Standards and Technology	WHMIS	Workplace Hazardous Materials Information System

Disclaimer: Physical and chemical data contained in this SDS are provided only for use in assessing the hazardous nature of the material. The SDS was prepared carefully, using current references; however, NIST does not certify the data in the SDS. The reference values for this material are given in the NIST Report of Investigation.

Users of this RM should ensure that the SDS in their possession is current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; fax (301) 948-3730; e-mail srmmsds@nist.gov; or via the Internet at <http://www.nist.gov/srm>.

Material Safety Data Sheet

HAZARD WARNINGS	RISK PHRASES	PROTECTIVE CLOTHING
	Toxic compound, do not ingest or inhale. Avoid all contact with this material.	   

Section I. Chemical Product and Company Identification

Chemical Name	Dieldrin		
Catalog Number	H0059	Supplier	TGI America 9211 N. Harborside St. Portland OR 1-800-423-8616
Synonym	Alvit 55		
Chemical Formula	C ₁₂ H ₈ Cl ₆ O		
CAS Number	60-57-1	In case of Emergency Call	Chemtrec® (800) 424-9300 (U.S.) (703) 527-3887 (International)

Section II. Composition and Information on Ingredients

Chemical Name	CAS Number	Percent (%)	TLV/PEL	Toxicology Data
Dieldrin	60-57-1	-----	Not available.	Rat LD ₅₀ (oral) 383 mg/kg

Section III. Hazards Identification

Acute Health Effects	Toxic if ingested or inhaled. Avoid prolonged contact with this material. Overexposure may result in serious illness or death. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.
Chronic Health Effects	CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITY Not available. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section IV. First Aid Measures

Eye Contact	Check for and remove any contact lenses. DO NOT use an eye ointment. Flush eyes with running water for a minimum of 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention. Treat symptomatically and supportively.
Skin Contact	If the chemical gets spilled on a clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. Seek medical attention. Treat symptomatically and supportively. Wash any contaminated clothing before reusing.
Inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform artificial respiration. WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention and, if possible, show the chemical label. Treat symptomatically and supportively.
Ingestion	INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Loosen tight clothing such as a collar, tie, belt, or waistband. If the victim is not breathing, administer artificial respiration. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Seek immediate medical attention and, if possible, show the chemical label. Treat symptomatically and supportively.

Section V. Fire and Explosion Data

Flammability	Combustible.	Auto-Ignition	Not available.
Flash Points	Not available.	Flammable Limits	Not available.
Combustion Products	These products are toxic carbon oxides (CO, CO ₂), halogenated compounds. WARNING: Highly toxic HCl gas is produced during combustion.		
Fire Hazards	No specific information is available regarding the flammability of this compound in the presence of various materials.		
Explosion Hazards	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No additional information is available regarding the risks of explosion.		

Continued on Next Page

Emergency phone number (800) 424-9300

Fire Fighting Media
and Instructions

SMALL FIRE: Use DRY chemicals, CO₂, water spray or foam.
LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.

Section VI. Accidental Release Measures

Spill Cleanup
Instructions

Toxic solid.
Stop leak if without risk. DO NOT get water inside container. DO NOT touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Consult federal, state, and/or local authorities for assistance on disposal. Consult federal, state, and/or local authorities for assistance on disposal.

Section VII. Handling and Storage

Handling and Storage
Information

TOXIC. Handle with caution and minimize exposure. Keep away from heat and sources of ignition. Mechanical exhaust required. When not in use, tightly seal the container and store in a dry, cool place. Avoid excessive heat and light. DO NOT ingest. DO NOT breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Treat symptomatically and supportively. Avoid contact with skin and eyes.
Always store away from incompatible compounds such as oxidizing agents.

Section VIII. Exposure Controls/Personal Protection

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection

Splash goggles. Lab coat. Dust respirator. Boots. Gloves. A MSHA/NIOSH approved respirator must be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.



Exposure Limits

Not available.

Section IX. Physical and Chemical Properties

Physical state @ 20°C	Orange-tan powder.	Solubility	Not available.
Specific Gravity	Not available.		
Molecular Weight	380.91	Partition Coefficient	Not available.
Boiling Point	Not available.	Vapor Pressure	Not available.
Melting Point	143 to 144°C (289.4 to 291.2°F)	Vapor Density	13.2 (Air = 1)
Refractive Index	Not available.	Volatility	Not available.
Critical Temperature	Not available.	Odor	Not available.
Viscosity	Not available.	Taste	Not available.

Section X. Stability and Reactivity Data

Stability	This material is stable if stored under proper conditions. (See Section VII for instructions)
Conditions of Instability	Avoid excessive heat and light.
Incompatibilities	Highly reactive with oxidizing agents.

Section XI. Toxicological Information

RTECS Number	IO1750000
Routes of Exposure	Eye contact. Inhalation. Ingestion.
Toxicity Data	Rat LD ₅₀ (oral) 383 mg/kg
Chronic Toxic Effects	CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITY Not available. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
Acute Toxic Effects	Toxic if ingested or inhaled. Avoid prolonged contact with this material. Overexposure may result in serious illness or death. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

Section XII. Ecological Information

Ecotoxicity	Not available.
Environmental Fate	Not available.

Section XIII. Disposal Considerations

Waste Disposal	Recycle to process, if possible. Consult your local or regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state, and local regulations when disposing of this substance.
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Section XIV. Transport Information

DOT Classification	DOT CLASS 6.1: Toxic material.
PIN Number	UN2761
Proper Shipping Name	Organochlorine pesticides, solid, toxic
Packing Group (PG)	II
DOT Pictograms	

**Section XV. Other Regulatory Information and Pictograms**

TSCA Chemical Inventory (EPA)	This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list: (i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec. (ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet.
WHMIS Classification (Canada)	WHMIS CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).
EINECS Number (EEC)	200-484-5
EEC Risk Statements	R25- Toxic if swallowed. R27/28- Very toxic in contact with skin and if swallowed.
Japanese Regulatory Data	Not available.

Section XVI. Other Information

Version 1.0
Validated on 5/28/1997.
Printed 2/24/2005.

Notice to Reader

TCl laboratory chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our MSDS sheets are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated MSDS sheets for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.

MATERIAL SAFETY DATA SHEET

Drexel Chemical Co.
1700 Channel Avenue
Memphis, TN 38113
(901) 774-4370

Emergency Telephone No.

1-800-424-9300 (ChemTrec)

SECTION I – GENERAL INFORMATION

TRADE NAME: **ENDOSULFAN 3EC**
CHEMICAL NAME: Endosulfan:
(Hexachlorohexahydromethano-2,4,3-Benzodioxathiepin-3-Oxide)
CHEMICAL FAMILY: Organochlorine Pesticide (Insecticide)
EPA REG. NO.: 19713-399
SIGNAL WORD: DANGER/POISON

SECTION II – INGREDIENTS (Class = H (Hazardous), NH (Non-Hazardous))

NAME	CAS NO.	% (by wt.)	TLV	CLASS
Endosulfan	115-29-7	34.0	0.1 mg/m3	H
Inerts	N/A	66.0	N/A	NH

SECTION III – PHYSICAL DATA

Boiling Point	>212°F	Specific Gravity	1.06
Vapor Pressure	NK	% Volatiles	N/A
Vapor Density	>1	Solubility in Water	Emulsifies
pH	4-7	Appearance/Odor	Brown liquid, chlorine-sulfur odor

SECTION IV – FIRE & EXPLOSION DATA

Flash Point: 105°F (Combustible)
Extinguishing Media: Foam, CO₂, or dry chemical. Soft stream water fog only if necessary. Contain all runoff.
Fire Fighting Procedures: Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapor generated.

SECTION V – REACTIVITY DATA

Stability: Stable under normal conditions.
Conditions to Avoid: Extreme temperatures, open flames, strong acids, oxidizers
Incompatibility: Strong acids, alkalis, oxidizers, reducing agents
Hazardous Decomposition Products: CO, CO₂, SO_x, HCL, and toxic organochlorine vapors
Hazardous Polymerization: Will not occur

SECTION VI – HEALTH HAZARD DATA

Carcinogenicity: N/A
Toxicity Data: Oral LD50 (Rat) = 44.9 mg/kg
Dermal LD50 (Rabbit) = 256 mg/kg
TLV: 0.1 mg/kg (skin)
N.F.P.A.: Health: 3, Fire: 2, Reactivity: 1
(Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)
Effects of Overexposure: Excitability, apprehension, dizziness, headache, disorientation, weakness, convulsions, muscle spasms, vomiting. Do not ingest.

SECTION VII – EMERGENCY PROCEDURES

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water, if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes.
If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

NOTE TO PHYSICIAN: Endosulfan is a central nervous system stimulant absorbable by mouth, inhalation or through contact with skin. It may cause convulsions. There is no specific antidote. Diazepam I.V. is the drug of choice. Barbituric acid derivatives such as Phenobarbital may be used additionally. A neuromuscular blocking agent may be used if convulsions persist. This type of drug may be used only if complete control of respiration can be maintained. Epinephrine derivatives are absolutely contraindicated. This formula contains petroleum hydrocarbons (xylene range aromatic solvent). Care should be taken to prevent aspiration because of the possibility of chemical pneumonia or pulmonary edema due to the organic solvent in the formulation.

SECTION VIII- SPILL OR LEAK PROCEDURES

Steps to be taken in case of material leak or spill
Isolate spill first. Assure protective clothing is worn. Prevent runoff if possible. Pick up spills with non-combustible absorbent material and place in labeled containers.
Waste Disposal Method
Dispose of in accordance with Local, State, and Federal Regulations.

SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH approved pesticide respirator
Ventilation: Required in closed areas
Protective Gloves: Chemical resistant
Eye Protection: Safety goggles
Other: Coveralls over long-sleeved shirt and long pants, chemical resistant footwear plus socks, chemical-resistant headgear for overhead exposure

SECTION X – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storage
KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.
Store in cool, dry, well ventilated area. Keep away from foodstuff.
D.O.T. Description: UN-2995, Organochlorine Pesticide, Liquid, Toxic, Flammable, (Endosulfan/Xylene), 6.1, (3), PG-III, Marine Pollutant, RQ 1 lb.
Freight Description: Agricultural Insecticide, Liquid, N.O.S.
Reportable Quantity: 1 Lb.
E.R.G. Guide Sheet: 131

The information presented herein for consideration, while not guaranteed, is true and accurate to the best of our knowledge. No warranty, or guaranty is expressed or implied regarding the accuracy or reliability of such information and we shall not be liable for any loss or consequential damages arising out of the use thereof.

Date Prepared: 12-7-12

1. IDENTIFICATION

Catalog Number / Product Name: 32463 / Endrin Standard
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 1-800-424-9300 (CHEMTREC)
+1 703-741-5970 (Outside the US)
Email: sds@restek.com
Revision Number: 3
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard Symbols:



GHS Classification: Flammable Liquid Category 2
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
May cause drowsiness or dizziness.

GHS Precautions:

Safety Precautions: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage: Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.

Single Exposure Target Organs: No data available.

Repeated Exposure Target Organs: No data available.

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
Acetone	67-64-1	200-662-2	99.900000
endrin	72-20-8	200-775-7	0.100000

4. FIRST-AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately
Eyes:	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion:	Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
Fire and/or Explosion Hazards:	Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back
Fire Fighting Methods and Protection:	Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
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Acetone	67-64-1	2500 ppm IDLH (10% LEL)	500 ppm STEL 750 ppm STEL; 1782 mg/m3 STEL	250 ppm TWA 500 ppm TWA; 1188 mg/m3 TWA	1000 ppm TWA; 2400 mg/m3 TWA
endrin	72-20-8	ND		0.1 mg/m3 TWA	0.1 mg/m3 TWA

Personal Protection:

Engineering Measures: Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing.

Respiratory Protection: No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 3. A respirator is not normally required.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

Medical Conditions Aggravated By Exposure: Respiratory disease including asthma and bronchitis

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color: Depends upon product selection

Odor: Strong

Physical State: No data available.

pH: No data available

Vapor Density: 2.0 (air = 1)

Melting Point: -95.4 °C Melting Point

Flash Point: 39

Flammability: Highly Flammable

Upper Flammable/Explosive Limit, % in air: No data available.

Lower Flammable/Explosive Limit, % in air: No data available.

Autoignition Temperature: 465 deg C

Decomposition Temperature: No data available.

Specific Gravity: 0.7845 g/cm3 at 25 °C

Evaporation Rate: No data available.

Odor Threshold: ND

Solubility: Complete; 100%

Partition Coefficient: n-octanol in water: No data available.

VOC % by weight: 0.00

Molecular Weight: 58.08

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: No data available.

Materials to Avoid / Chemical Incompatibility: Strong oxidizing agents Strong acids

Hazardous Decomposition Products: Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, Skin Contact, Eye Contact, Ingestion

Target Organs Potentially Affected By Exposure: Eyes, Central nervous system stimulation, Respiratory Tract, Skin

Chemical Interactions That Change Toxicity: None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

Skin Contact: Can cause minor skin irritation, defatting, and dermatitis.

Eye Contact: Can cause minor irritation, tearing and reddening.

Ingestion Irritation: May be harmful if swallowed.

Ingestion Toxicity: Harmful if swallowed. May cause systemic poisoning.

Long-Term (Chronic) Health Effects:

Carcinogenicity: No data.

Reproductive and Developmental Toxicity: Contains a known human reproductive and/or developmental hazard.

Inhalation: Upon prolonged and/or repeated exposure, can cause minor respiratory irritation, dizziness, weakness, fatigue,

Skin Contact:

nausea, and headache.
 Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.

Component Toxicological Data:**NIOSH:**

Chemical Name	CAS No.	LD50/LC50
Acetone	67-64-1	Oral LD50 Rat 5800 mg/kg; Inhalation LC50 Rat 50100 mg/m3 8 h

Component Carcinogenic Data:**OSHA:**

Chemical Name	CAS No.
No data available.	

ACGIH:

Chemical Name	CAS No.	
Acetone	67-64-1	A4 - Not Classifiable as a Human Carcinogen

NIOSH:

Chemical Name	CAS No.
No data available.	

NTP:

Chemical Name	CAS No.
No data available.	

IARC:

Chemical Name	CAS No.	Group No.
No data.		Group 1
No data.		Group 2A
No data.		Group 2B

12. ECOLOGICAL INFORMATION

Overview:	No ecological information available
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	No data
Ecological Toxicity Data:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product:	Spent or discarded material is a hazardous waste.
Disposal Methods:	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging:	Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:	
DOT Proper Shipping Name:	Acetone
UN Number:	UN1090
Hazard Class:	3
Packing Group:	II

International:	
IATA Proper Shipping Name:	Acetone
UN Number:	UN1090
Hazard Class:	3
Packing Group:	II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available.			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
Acetone	67-64-1	X	-	-	X
endrin	72-20-8	X	-	X	-

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Endrin	72-20-8	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
Acetone	67-64-1	X	X	X	X
endrin	72-20-8	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 11/04/14

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

SAFETY DATA SHEET

Version 5.2
Revision Date 07/22/2014
Print Date 09/24/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Heptachlor epoxide	
Product Number	:	49042	
Brand	:	Supelco	
Product Use	:	For laboratory research purposes.	
Supplier	:	Sigma-Aldrich Canada Co. 2149 Winston Park Drive OAKVILLE ON L6H 6J8 CANADA	Manufacturer : Sigma-Aldrich Corporation 3050 Spruce St. St. Louis, Missouri 63103 USA
Telephone	:	+1 9058299500	
Fax	:	+1 9058299292	
Emergency Phone # (For both supplier and manufacturer)	:	1-800-424-9300	
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956	

2. HAZARDS IDENTIFICATION

Emergency Overview

Target Organs

Central nervous system, Liver, Blood

WHMIS Classification

D1A	Very Toxic Material Causing Immediate and Serious Toxic Effects	Highly toxic by ingestion
D2A	Very Toxic Material Causing Other Toxic Effects	Carcinogen

GHS Classification

Acute toxicity, Oral (Category 2)
Carcinogenicity (Category 2)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 1)

GHS Label elements, including precautionary statements

Pictogram



Signal word Danger

Hazard statement(s)

H300	Fatal if swallowed.
H351	Suspected of causing cancer.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P281	Use personal protective equipment as required.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P501	Dispose of contents/ container to an approved waste disposal plant.

HMIS Classification

Health hazard: 3
 Chronic Health Hazard: *
 Flammability: 0
 Physical hazards: 0

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.
Ingestion May be fatal if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Heptachlor exo-epoxide
 HCE
 exo-1,4,5,6,7,8,8-Heptachloro-2,3-epoxy-4,7-methano-3a,4,7,7a-tetrahydroindane

Formula : C₁₀H₅Cl₇O
 Molecular Weight : 389.32 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
Heptachlor epoxide			
1024-57-3	213-831-0	602-063-00-5	<= 100%

4. FIRST AID MEASURES**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES**Conditions of flammability**

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

Explosion data - sensitivity to mechanical impact

no data available

Explosion data - sensitivity to static discharge

no data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value	Control parameters	Basis
Heptachlor epoxide	1024-57-3	TWA	0.05 mg/m ³	Canada. British Columbia OEL
Remarks	Contributes significantly to the overall exposure by the skin route.			
		TWAEV	0.05 mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
	Skin (percutaneous) Carcinogenic effect detected in animals. Results of studies relating to the carcinogenicity of these substances in animals are not necessarily applicable to humans.			

Personal protective equipment**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Specific engineering controls

Use mechanical exhaust or laboratory fumehood to avoid exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid
Colour	no data available

Safety data

pH	no data available
Melting point/freezing point	157.0 - 161.0 °C (314.6 - 321.8 °F)
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Auto-ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	log Pow: 5.40
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

no data available

Conditions to avoid

no data available

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION**Acute toxicity****Oral LD50**

LD50 Oral - rat - 15.0 mg/kg

Inhalation LC50

no data available

Dermal LD50

no data available

Other information on acute toxicity

LD50 Intracerebral - mouse - 8 mg/kg

Remarks: Behavioral:Convulsions or effect on seizure threshold.

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Heptachlor epoxide)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)

no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be fatal if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects

no data available

Additional Information

RTECS: PB9450000

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	LC50 - Oncorhynchus mykiss (rainbow trout) - 0.02 mg/l - 96.0 h
Toxicity to daphnia and other aquatic invertebrates	LC50 - Daphnia magna (Water flea) - 0.24 mg/l - 48 h

Persistence and degradability

no data available

Bioaccumulative potential

Bioaccumulation	Pimephales promelas (fathead minnow) - 32 d Bioconcentration factor (BCF): 14,400
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Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

UN number: 2811 Class: 6.1 Packing group: II
Proper shipping name: Toxic solids, organic, n.o.s. (Heptachlor epoxide)
Reportable Quantity (RQ): 1 lbs
Marine pollutant: Marine pollutant
Poison Inhalation Hazard: No

IMDG

UN number: 2811 Class: 6.1 Packing group: II EMS-No: F-A, S-A
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Heptachlor epoxide)
Marine pollutant: No

IATA

UN number: 2811 Class: 6.1 Packing group: II
Proper shipping name: Toxic solid, organic, n.o.s. (Heptachlor epoxide)

15. REGULATORY INFORMATION**WHMIS Classification**

D1A	Very Toxic Material Causing Immediate and Serious Toxic Effects	Highly toxic by ingestion
D2A	Very Toxic Material Causing Other Toxic Effects	Carcinogen

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION**Text of H-code(s) and R-phrases mentioned in Section 3**

STOT SE Toxicidad específica en determinados órganos - exposición única

Further information

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SIGMA-ALDRICH

MATERIAL SAFETY DATA SHEET

Date Printed: 28.07.2016

Date Updated: 31.05.2012

Version 1.6

Section 1 - Product and Company Information

Product Name	METHOXYCHLOR
Product Number	M1501
Brand	SIGMA
Company	Sigma-Aldrich
Address	3050 Spruce Street SAINT LOUIS MO 63103 US
Technical Phone:	800-325-5832
Fax:	800-325-5052
Emergency Phone:	314-776-6555

Section 2 - Composition/Information on Ingredient

Substance Name	CAS #	SARA 313
METHOXYCHLOR	72-43-5	Yes

Formula	C16H15Cl3O2
Synonyms	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-methoxy- * 2,2-Bis(p-anisyl)-1,1,1-trichloroethane * 1,1-Bis(p-methoxyphenyl)-2,2,2-trichloroethane * 2,2-Bis(p-methoxyphenyl)-1,1,1-trichloroethane * Dianisyltrichlorethane * 2,2-Di-p-anisyl-1,1,1-trichloroethane * Dimethoxy-DDT * p,p'-Dimethoxydiphenyltrichloroethane * 2,2-Di-(p-methoxyphenyl)-1,1,1-trichloroethane * Di(p-methoxyphenyl)-trichloromethyl methane * DMDT * p,p'-Dwumetoksydwufenylotrojchloroetan (Polish) * ENT 1,716 * Ethane, 2,2-bis(p-anisyl)-1,1,1-trichloro- * Higalmetox * Marlata * Methoxycide * Methoxychlor (ACGIH:OSHA) * p,p'-Methoxychlor * Methoxychlor 2 EC * Methoxy-DDT * Metoksychlor (Polish) * Metox * Mezo K * Moxie * NCI-C00497 * OMS 466 * RCRA waste number U247 * 1,1,1-Trichlor-2,2-bis(4-methoxy-phenyl)-aethan (German) * 1,1,1-Trichloro-2,2-bis(p-anisyl)ethane * 1,1'-(2,2,2-Trichloroethylidene)bis(4-methoxybenze ne) * 1,1,1-Trichloro-2,2-bis(p-methoxyphenyl)ethane * 1,1,1-Trichloro-2,2-bis(4-methoxyphenyl)ethane * 2,2,2-Trichloro-1,1-bis(4-methoxyphenyl)ethane * 1,1,1-Trichloro-2,2-di(4-methoxyphenyl)ethane * 4,4-(2,2,2-Trichloroethylidene)dianisole
RTECS Number:	KJ3675000

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Harmful.

Harmful by inhalation, in contact with skin and if swallowed.

Limited evidence of a carcinogenic effect.

Possible mutagen. Reproductive hazard. Target organ(s): Nerves.

Kidneys.

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

EYE EXPOSURE

Assure adequate flushing of the eyes by separating the eyelids with fingers.

Section 5 - Fire Fighting Measures

FLASH POINT

N/A

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s): Emits toxic fumes under fire conditions.

EXPOSURE HAZARD(S)

Material: Harmful solid.

Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

HANDLING

User Exposure: Avoid inhalation. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed. Store in a cool dry place.

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS

Use only in a chemical fume hood. Safety shower and eye bath.

PERSONAL PROTECTIVE EQUIPMENT

Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling. Wash contaminated clothing before reuse.

EXPOSURE LIMITS, RTECS

Country	Source	Type	Value
USA	ACGIH	TWA	10 MG/M3
USA	MSHA Standard-air	TWA	10 MG/M3
USA	OSHA.	PEL	8H TWA 15 MG/M3, TOTAL DUST
New Zealand OEL			
Remarks: check ACGIH TLV			
USA	NIOSH		(0.07 MG/M3 LOQ)

EXPOSURE LIMITS

Country	Source	Type	Value
Poland		NDS	10 MG/M3
Poland		NDSch	-
Poland		NDSP	-

Section 9 - Physical/Chemical Properties

Appearance	Physical State: Solid	
Property	Value	At Temperature or Pressure
Molecular Weight	345,6600 AMU	
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	86,000. - 88,000 °C.	
Freezing Point	N/A	
Vapor Pressure	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
Bulk Density	N/A	
Odor Threshold	N/A	
Volatile%	N/A	
VOC Content	N/A	
Water Content	N/A	
Solvent Content	N/A	
Evaporation Rate	N/A	
Viscosity	N/A	

Surface Tension	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point	N/A
Explosion Limits	N/A
Flammability	N/A
Autoignition Temp	N/A
Refractive Index	N/A
Optical Rotation	N/A
Miscellaneous Data	N/A
Solubility	N/A

N/A = not available

Section 10 - Stability and Reactivity

STABILITY

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Hydrogen chloride gas.

Section 11 - Toxicological Information

ROUTE OF EXPOSURE

Multiple Routes: May cause irritation. Harmful if swallowed, inhaled, or absorbed through skin.

TARGET ORGAN(S) OR SYSTEM(S)

Kidneys. Central nervous system.

TOXICITY DATA

Oral
Human
6430,000000 mg/kg
LDLO

Oral
Rat
1855,000000 mg/kg
LD50
Remarks: Behavioral:Excitement. Behavioral:Convulsions or effect on seizure threshold. Behavioral:Ataxia.

Skin
Rat
> 6000,000000 mg/kg
LD50

Oral
Mouse
510,000000 mg/kg
LD50
Remarks: Behavioral:Convulsions or effect on seizure threshold. Behavioral:Ataxia. Behavioral:Excitement.

Oral
Rabbit

> 6000,000000 mg/kg
LD50

Skin
Rabbit
> 6000,000000 mg/kg
LD50

Intraperitoneal
Hamster
500 MG/KG
LD50

Oral
Duck
> 2000,000000 mg/kg
LD50

CHRONIC EXPOSURE - CARCINOGEN

Species: Rat
Route of Application: Oral
Dose: 18200 MG/KG
Exposure Time: 2Y
Frequency: C
Result: Tumorigenic: Carcinogenic by RTECS criteria. Tumorigenic
Effects: Prostate tumors.

Species: Mouse
Route of Application: Oral
Dose: 56700 MG/KG
Exposure Time: 90W
Frequency: C
Result: Tumorigenic: Carcinogenic by RTECS criteria. Lungs,
Thorax, or Respiration: Tumors. Tumorigenic Effects: Testicular
tumors.

Species: Dog
Route of Application: Oral
Dose: 383 GM/KG
Exposure Time: 3Y
Frequency: C
Result: Tumorigenic: Equivocal tumorigenic agent by RTECS
criteria. Liver: Tumors.

Species: Rat
Route of Application: Oral
Dose: 41 GM/KG
Exposure Time: 2Y
Frequency: C
Result: Tumorigenic: Equivocal tumorigenic agent by RTECS
criteria. Liver: Multiple effects. Lungs, Thorax, or
Respiration: Other changes.

Species: Mouse
Route of Application: Oral
Dose: 62622 MG/KG
Exposure Time: 2Y
Frequency: C
Result: Liver: Tumors. Tumorigenic: Equivocal tumorigenic agent by

RTECS criteria.

Species: Rat
Route of Application: Oral
Dose: 80 GM/KG
Exposure Time: 2Y
Frequency: C
Result: Liver:Tumors. Tumorigenic:Carcinogenic by RTECS
criteria. Tumorigenic Effects: Ovarian tumors.

Species: Rat
Route of Application: Oral
Dose: 72800 MG/KG
Exposure Time: 2Y
Frequency: C
Result: Liver:Tumors. Tumorigenic:Carcinogenic by RTECS criteria.

Species: Rat
Route of Application: Oral
Dose: 87360 MG/KG
Exposure Time: 2Y
Frequency: C
Result: Tumorigenic:Carcinogenic by RTECS criteria. Liver:Tumors.

Species: Rat
Route of Application: Oral
Dose: 10920 MG/KG
Exposure Time: 1Y
Frequency: C
Result: Blood:Lymphomas including Hodgkin's disease.
Tumorigenic:Equivocal tumorigenic agent by RTECS criteria.

Species: Rat
Route of Application: Oral
Dose: 45500 MG/KG
Exposure Time: 1Y
Frequency: C
Result: Blood:Lymphomas including Hodgkin's disease.
Tumorigenic:Equivocal tumorigenic agent by RTECS criteria.

IARC CARCINOGEN LIST

Rating: Group 3

NTP CARCINOGEN LIST

Rating: No evidence.
Species: Mouse/rat
Route: Feed

ACGIH CARCINOGEN LIST

Rating: A4

CHRONIC EXPOSURE - TERATOGEN

Species: Rat
Dose: 2 GM/KG
Route of Application: Oral
Exposure Time: (6-15D PREG)

Result: Specific Developmental Abnormalities: Musculoskeletal system.

Species: Mouse

Dose: 3 GM/KG

Route of Application: Oral

Exposure Time: (6-15D PREG)

Result: Effects on Embryo or Fetus: Fetal death.

CHRONIC EXPOSURE - MUTAGEN

Species: Rat

Dose: 150 UMOL/L

Cell Type: liver

Mutation test: DNA damage

Species: Rat

Route: Oral

Dose: 28 GM/KG

Exposure Time: 10W

Mutation test: sperm

Species: Mouse

Dose: 10 MG/L (+S9)

Cell Type: lymphocyte

Mutation test: Mutation in microorganisms

Species: Mouse

Dose: 2 MG/L

Cell Type: fibroblast

Mutation test: Morphological transformation.

Species: Mouse

Route: Oral

Dose: 6 MG/KG

Exposure Time: 50D

Mutation test: Cytogenetic analysis

Species: Hamster

Dose: 10 MG/L

Cell Type: Embryo

Mutation test: Morphological transformation.

Species: Hamster

Route: Intraperitoneal

Dose: 50 MG/KG

Mutation test: Cytogenetic analysis

CHRONIC EXPOSURE - REPRODUCTIVE HAZARD

Result: Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

Species: Rat

Dose: 66 GM/KG

Route of Application: Oral

Exposure Time: (33D MALE)

Result: Paternal Effects: Testes, epididymis, sperm duct.

Paternal Effects: Prostate, seminal vesicle, Cowper's gland, accessory glands.

Species: Rat
Dose: 2 GM/KG
Route of Application: Oral
Exposure Time: (6-15D PREG)
Result: Effects on Fertility: Litter size (e.g.; # fetuses per litter; measured before birth). Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants). Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Species: Rat
Dose: 4250 MG/KG
Route of Application: Oral
Exposure Time: (42D PRE-21D POST)
Result: Effects on Newborn: Physical. Maternal Effects: Ovaries, fallopian tubes. Effects on Newborn: Delayed effects.

Species: Rat
Dose: 10625 MG/KG
Route of Application: Oral
Exposure Time: (42D PRE-21D POST)
Result: Effects on Fertility: Mating performance (e.g., # sperm positive females per # females mated; # copulations per # estrus cycles). Maternal Effects: Uterus, cervix, vagina. Effects on Fertility: Female fertility index (e.g., # females pregnant per # sperm positive females; # females pregnant per # females mated).

Species: Rat
Dose: 7 GM/KG
Route of Application: Unreported
Exposure Time: (70D MALE)
Result: Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count).

Species: Rat
Dose: 2100 MG/KG
Route of Application: Unreported
Exposure Time: (21D PRE)
Result: Maternal Effects: Oogenesis.

Species: Rat
Dose: 9100 MG/KG
Route of Application: Unreported
Exposure Time: (70D MALE/21D PRE)
Result: Effects on Fertility: Mating performance (e.g., # sperm positive females per # females mated; # copulations per # estrus cycles).

Species: Mouse
Dose: 1 GM/KG
Route of Application: Oral
Exposure Time: (20D PREG)
Result: Maternal Effects: Ovaries, fallopian tubes.

Species: Mouse
Dose: 900 MG/KG
Route of Application: Oral
Exposure Time: (6-8D PREG)
Result: Maternal Effects: Uterus, cervix, vagina.

Species: Mouse
Dose: 2 GM/KG
Route of Application: Oral
Exposure Time: (6-15D PREG)
Result: Maternal Effects: Parturition.

Species: Mouse
Dose: 800 MG/KG
Route of Application: Intraperitoneal
Exposure Time: (1D PREG)
Result: Effects on Fertility: Pre-implantation mortality (e.g., reduction in number of implants per female; total number of implants per corpora lutea). Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Species: Mouse
Dose: 99 MG/KG
Route of Application: Subcutaneous
Exposure Time: (5-7D PREG)
Result: Effects on Newborn: Behavioral. Effects on Newborn: Biochemical and metabolic.

Species: Rabbit
Dose: 330 MG/KG
Route of Application: Oral
Exposure Time: (6-27D PREG)
Result: Maternal Effects: Other effects. Specific Developmental Abnormalities: Musculoskeletal system.

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT

Proper Shipping Name: Environmentally hazardous substances, solid, n.o.s.
UN#: 3077
Class: 9
Packing Group: Packing Group III
Hazard Label: Class 9
PIH: Not PIH

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: Xn

Indication of Danger: Harmful.

R: 20/21/22-40

Risk Statements: Harmful by inhalation, in contact with skin and if swallowed. Limited evidence of a carcinogenic effect.

S: 7-23-36/37/39-45

Safety Statements: Keep container tightly closed. Do not breathe fumes. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

US CLASSIFICATION AND LABEL TEXT

Indication of Danger: Harmful.

Risk Statements: Harmful by inhalation, in contact with skin and if swallowed. Limited evidence of a carcinogenic effect.

Safety Statements: Keep container tightly closed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Do not breathe fumes. Wear suitable protective clothing, gloves, and eye/face protection.

US Statements: Possible mutagen. Reproductive hazard. Target organ(s): Nerves. Kidneys.

UNITED STATES REGULATORY INFORMATION

SARA LISTED: Yes

NOTES: This product is subject to SARA section 313 reporting requirements.

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: Yes

NDSL: No

Section 16 - Other Information

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2010 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

Last Revision Date: 1/25/2012

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Catalog Number: S-13586M1
Description: Toxaphene (TM)
Product Type: Solution
Other Names: Camphechlor (TM)/Chlorinated camphene

Supplied by CHEM SERVICE, Inc. PO BOX 599, WEST CHESTER, PA 19381 (610)-692-3026
EMERGENCY PHONE: 1-610-692-3026

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS: 8001-35-2
Description: Toxaphene (TM) Solution
Concentration: 100ug/mL in Methanol
EINECS No: 232-283-3
Hazard Symbols: T, N

SECTION 3 - HAZARDS IDENTIFICATION

Contact lenses should not be worn in the laboratory.
All chemicals should be considered hazardous – Avoid direct physical contact!

For the solvent: Methanol

Health Risks: May be fatal if absorbed through the skin! Repeated exposure to vapors and/or dust can cause eye injury. May be fatal if inhaled! Can cause cardiovascular system injury. Exposure can cause liver damage. Exposure can cause kidney damage. May be fatal or cause blindness if swallowed. Can cause gastro-intestinal disturbances. Can cause convulsions.

CA Proposition 65: Data Not Available

For the minor component: Toxaphene (TM)

This chemical is considered to be a CARCINOGEN by the state of California.

SECTION 4 - FIRST AID MEASURES

An antidote is a substance intended to counteract the effect of a poison. It should be administered only by a physician or trained emergency personnel. Medical advice can be obtained from a POISON CONTROL CENTER.

For the solvent: Methanol

First Aid: In case of contact: Flush eyes continuously with water for 15-20 minutes. Flush skin with water for 15-20 minutes. If patient has stopped breathing administer artificial respiration. If patient is in cardiac arrest administer CPR. Continue life supporting measures until medical assistance has arrived. Do not wear shoes or clothing until absolutely free of all chemical odors. Get medical attention if necessary. If no burns have occurred-use soap and water to cleanse skin. If inhaled remove patient to fresh air. Administer oxygen if patient is having difficulty breathing. If swallowed do not induce vomiting.

SECTION 5 - FIRE AND EXPLOSION DATA

For the solvent: Methanol

Flash Point: 11°C This is a flammable chemical.

Extinguishing Media: Carbon dioxide or dry chemical powder. DO NOT USE WATER!

Upper Explosion Limit: 36%
Lower Explosion Limit: 6.0%
Autoignition Temperature: 464°C

NFPA Scale: 0 - Least, 1 - Slight, 2 - Moderate, 3 - High, 4 - Severe
NFPA Hazard Rating: Health: 1. Reactivity: 0. Flammability: 3. Special: No Data.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills or leaks: Evacuate area. Wear appropriate OSHA regulated equipment. Ventilate area. Absorb on vermiculite or similar material. Sweep up and place in an appropriate container. Hold for disposal.

Wash contaminated surfaces to remove any residues.
Remove contaminated clothing and wash before reuse.

SECTION 7 - HANDLING AND STORAGE

Handling:

This chemical should be handled only in a hood. Eye shields should be worn. Use appropriate OSHA/MSHA approved safety equipment.

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation.

Wash thoroughly after handling.

Storage:

Store in a cool dry place. Store only with compatible chemicals. Keep tightly closed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

For the solvent: Methanol

OSHA PEL (TWA): 200 ppm (260 mg/m³)

ACGIH TLV (TWA): 200 ppm (262 mg/m³)

ACGIH TLV (STEL): Data Not Available

Personal Protective Equipment

Eyes: Wear Safety Glasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements must be followed whenever workplace conditions warrant the use of a respirator.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

For the solvent: Methanol

Color:	Colorless
Phase:	Liquid
Melting Point:	-98°C
Boiling Point:	64.6°C
Specific Gravity:	0.791g/mL
Vapor Density:	1.11
Vapor Pressure:	130.3 hPa @ 20°C
Solubility in Water:	Completely miscible.
Odor:	Data Not Available
Evaporation Rate (Butyl acetate=1):	Data Not Available
Molecular Weight:	32.05
Molecular Formula:	CH ₄ O

SECTION 10 - STABILITY AND REACTIVITY

For the solvent: Methanol

Flammable. Reacts with Acid halides and anhydrides. Incompatible with strong acids. Incompatible with strong reducing agents. Incompatible with strong oxidizing agents. Decomposition liberates toxic fumes. Hygroscopic. Incompatible with active metals (e.g. Sodium).

SECTION 11 - TOXICOLOGY INFORMATION

The primary hazards for this solution are predominantly from the solvent.

For the solvent: Methanol

RTECS: PC1400000
Oral Rat or Mouse LD50: 5628 mg/kg
Dermal Rat or Mouse LD50: N/A mg/kg
Rat or Mouse LC50 : 64000 ppm/8H

Carcinogenicity

OSHA: No IARC: No NTP: No ACGIH: No A4 NIOSH: No Other: No

For the minor component: Toxaphene (TM)

The LD50 for the minor component:

<i>Description</i>	<i>LD50</i>
Toxaphene (TM)	40 mg/kg

Carcinogenicity:

OSHA: No IARC: Yes NTP: Yes CARC: No ACGIH: No NIOSH: Yes

This chemical is considered to be a CARCINOGEN by the state of California.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not Available
Environmental Fate: Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose in accordance with Federal, State and Local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

UN Number: UN1230
Class: 3
Packing Group: II
Proper Shipping Name: Methanol

SECTION 15 - REGULATORY INFORMATION

For the solvent: Methanol

European Labeling in Accordance with EC Directives
Hazard Symbols: T F

- Risk Phrases: -R11: Highly Flammable.
 -R23/25: Toxic by inhalation, and if swallowed.
- Safety Phrases: -S16: Keep away from sources of ignition - No smoking.
 -S2: Keep out of reach of children
 -S24: Avoid contact with the skin
 -S45: In case of accident or if you feel unwell, seek medical advice immediately
 (show label where possible).
 -S7: Keep container tightly closed

SECTION 16 - OTHER INFORMATION

The above information is believed to be correct on the date it was last revised and must not be considered all inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. OSHA regulations require that if other hazards become evident, an upgraded MSDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

Persons not specifically and properly trained should not handle this chemical or its container. This product is furnished FOR LABORATORY USE ONLY! Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticide products, food additives or as household chemicals.

This Material Safety Data Sheet (MSDS) is intended only for use with Chem Service, Inc. products and should not be relied on for use with materials from any other supplier even if the chemical name(s) on the product are identical! Whenever using an MSDS for a solution or mixture the user should refer to the MSDS for every component of the solution or mixture. Chem Service warrants that this MSDS is based upon the most current information available to Chem Service at the time it was last revised. THIS WARRANTY IS EXCLUSIVE, AND CHEM SERVICE, INC. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. This MSDS is provided gratis and CHEM SERVICE, INC. SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR CONTINGENT DAMAGES.

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This product is furnished FOR LABORATORY USE ONLY!

SAFETY DATA SHEET

Version 4.10
Revision Date 05/24/2016
Print Date 07/27/2016

1. PRODUCT AND COMPANY IDENTIFICATION**1.1 Product identifiers**

Product name : Pyrene

Product Number : 185515
Brand : Aldrich

CAS-No. : 129-00-0

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Synthesis of substances

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich
3050 Spruce Street
SAINT LOUIS MO 63103
USA

Telephone : +1 800-325-5832
Fax : +1 800-325-5052

1.4 Emergency telephone number

Emergency Phone # : (314) 776-6555

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Germ cell mutagenicity (Category 2), H341
Specific target organ toxicity - repeated exposure (Category 1), Blood, H372
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H341

Suspected of causing genetic defects.

H372

Causes damage to organs (Blood) through prolonged or repeated exposure.

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P201

Obtain special instructions before use.

P202

Do not handle until all safety precautions have been read and understood.

P260

Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264

Wash skin thoroughly after handling.

P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Rapidly absorbed through skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : Benzo[*def*]phenanthrene

Formula : C₁₆H₁₀

Molecular weight : 202.25 g/mol

CAS-No. : 129-00-0

EC-No. : 204-927-3

Hazardous components

Component	Classification	Concentration
Pyrene		
	Muta. 2; STOT RE 1; Aquatic Acute 1; Aquatic Chronic 1; H341, H372, H410	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Pyrene	129-00-0	TWA	0.200000 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	0.200000 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
	Remarks	1910.1002 As used in §1910.1000 (Table Z-1), coal tar pitch volatiles include the fused polycyclic hydrocarbons which volatilize from the distillation residues of coal, petroleum (excluding asphalt), wood, and other organic matter. Asphalt (CAS 8052-42-4, and CAS 64742-93-4) is not covered under the 'coal tar pitch volatiles' standard OSHA specifically regulated carcinogen		
		TWA	0.100000 mg/m3	USA. NIOSH Recommended Exposure Limits
		Potential Occupational Carcinogen		

		NIOSH considers coal tar, coal tar pitch, and creosote to be coal tar products. cyclohexane-extractable fraction See Appendix C See Appendix A		
		PEL	0.2 mg/m ³	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

Biological occupational exposure limits

Component	CAS-No.	Parameters	Value	Biological specimen	Basis
Pyrene	129-00-0	1-Hydroxypyrene (1-HP)		Urine	ACGIH - Biological Exposure Indices (BEI)
	Remarks	End of shift at end of workweek			

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.4 mm

Break through time: 480 min

Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 30 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form: crystalline Colour: yellow
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	Melting point/range: 145 - 148 °C (293 - 298 °F) - lit.
f) Initial boiling point and boiling range	390.0 - 395.0 °C (734.0 - 743.0 °F)
g) Flash point	> 200.0 °C (> 392.0 °F)
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	1.21 g/cm ³
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	log Pow: 4.88
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2 Other safety information

Bulk density	650 kg/m ³
--------------	-----------------------

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Risk of dust explosion.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - 2,700 mg/kg

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Conjunctive irritation.
Behavioral:Excitement. Behavioral:Muscle contraction or spasticity.

LC50 Inhalation - Rat - 170.0 mg/m³

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Conjunctive irritation.
Behavioral:Excitement. Behavioral:Muscle contraction or spasticity.

Dermal: No data available

No data available

Skin corrosion/irritation

Skin - Rabbit

Result: Mild skin irritation - 24 h

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Mild eye irritation

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

Laboratory experiments have shown mutagenic effects. In vitro tests showed mutagenic effects

Ames test

Result: positive

Mutation in mammalian somatic cells.

mouse lymphoma cells

Result: positive

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: OSHA specifically regulated carcinogen (Pyrene)

Reproductive toxicity

No data available

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

Causes damage to organs through prolonged or repeated exposure. - Blood

Aspiration hazard

No data available

Additional Information

RTECS: UR2450000

Inhalation studies in animals have caused: Liver toxicity, pulmonary pathologies, intragastric pathologies, neutropenia, leukopenia, anemia, Contact with skin can cause: hyperemia, weight loss, hematopoietic changes, Dermatitis, Chronic effects, leukocytosis

Kidney -

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - > 2 mg/l - 96.0 h

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 0.002 - 0.003 mg/l - 48 h

12.2 Persistence and degradability**12.3 Bioaccumulative potential**Bioaccumulation other fish - 48 h
- 0.056 mg/l

Bioconcentration factor (BCF): 4,810

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

Very toxic to aquatic life with long lasting effects.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION**DOT (US)**UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substances, solid, n.o.s. (Pyrene)
Reportable Quantity (RQ): 5000 lbs

Poison Inhalation Hazard: No

IMDGUN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Pyrene)
Marine pollutant: yes**IATA**UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Pyrene)

Further information

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

15. REGULATORY INFORMATION**SARA 302 Components**

The following components are subject to reporting levels established by SARA Title III, Section 302:

	CAS-No.	Revision Date
Pyrene	129-00-0	2008-11-03

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Chronic Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
Pyrene	129-00-0	2008-11-03

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Pyrene	129-00-0	2008-11-03

New Jersey Right To Know Components

	CAS-No.	Revision Date
Pyrene	129-00-0	2008-11-03

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

	CAS-No.	Revision Date
Pyrene	129-00-0	2007-09-28

16. OTHER INFORMATION**Full text of H-Statements referred to under sections 2 and 3.**

Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
H341	Suspected of causing genetic defects.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Muta.	Germ cell mutagenicity

HMIS Rating

Health hazard:	1
Chronic Health Hazard:	*
Flammability:	0
Physical Hazard	0

NFPA Rating

Health hazard:	0
Fire Hazard:	0
Reactivity Hazard:	0

Further information

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Preparation Information

Sigma-Aldrich Corporation
Product Safety – Americas Region
1-800-521-8956

Version: 4.10

Revision Date: 05/24/2016

Print Date: 07/27/2016

APPENDIX C
List of Approved Amendments/changes
HASP Acknowledgement/Agreement Form
Visitors Log

BOARD AGENDA ITEM

Name of Contributor(s): Robin I. Freeman

Date of Meeting: 9/7/16

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda X
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

TITLE: Approval of Notice to Conduct Public Hearing to Determine Sufficient Textbooks or Instructional Materials for 2016-2017 (Freeman/Curtis)

DESCRIPTION:

On October 5, 2016 a Public hearing will be held at Oxnard School District that begins at 7:00 p.m. in the Oxnard School District Board Room, located at 1051 South A Street in Oxnard, California 93030. The purpose of the public hearing is to determine if Oxnard School District has sufficient standards-aligned textbooks and instructional materials. At that time, the Governing Board will be asked to adopt a resolution stating that each pupil in the district has sufficient textbooks or instructional materials in specified subjects that are aligned to the academic content standards and consistent with the content and cycles of the curriculum frameworks adopted by the State Board of Education.

FISCAL IMPACT:

This Public hearing is being held in compliance with Education Code Section 60119 (as revised by Chapter 118, Statutes of 2005 and CCR, Title 5, Section 9531). In accordance with State law, Notice of Public Hearing will be posted from September 8, 2016.

RECOMMENDATION:

It is the recommendation of the Director of Curriculum, Instruction and Accountability, and the Assistant Superintendent Educational Services, that the Board of Trustees approve setting the date of October 5, 2016 for Public Hearing to determine sufficient textbooks or instructional materials.

ADDITIONAL MATERIAL(S):

Notice of Public Hearing- English/Spanish



OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, CA 93030 • 805/385-1501 • Fax 805/487-9648

NOTICE OF PUBLIC HEARING

On October 5, 2016, a public hearing will be held at the Oxnard School District that begins at 7:00 p.m. in the Oxnard School District Board Room, located at 1051 South A Street in Oxnard, California 93030. The purpose of the public hearing is to determine if Oxnard School District has sufficient standards-aligned textbooks and instructional materials. At that time, the Governing Board will be asked to adopt a resolution stating that each pupil in the district has sufficient textbooks or instructional materials in specified subjects that are aligned to the academic content standards and consistent with the content and cycles of the curriculum frameworks adopted by the State Board of Education.



DISTRITO ESCOLAR DE OXNARD

1051 South "A" Street • Oxnard, CA 93030 • 805/385-1501 • Fax 805/487-9648

Aviso de Audiencia Pública

El día 5 de octubre del 2016 se llevará a cabo una audiencia pública en la sesión de la Mesa Directiva del Distrito Escolar de Oxnard que comenzará a las 7:00 PM en el salón de conferencias del distrito, ubicado en el 1051 South "A" Street, Oxnard, California 93030. La audiencia tiene como propósito determinar si el Distrito de Oxnard cuenta con los suficientes libros de texto y materiales de enseñanza que exigen las normas académicas. Se le ha solicitado a la Mesa Directiva que adopte una resolución determinando que cada alumno en el distrito cuenta con los suficientes libros de texto o los materiales de enseñanza en materias específicas, que coordinan con las normas académicas estatales y son consistentes con el contenido y los ciclos de la estructura del currículo adoptado por la Mesa Directiva de Educación del Estado.

OSD BOARD AGENDA ITEM

Name of Contributor: **Robin I. Freeman**

Date of Meeting: **9/7/16**

- A. Preliminary _____
Study Session: _____
- B. Hearing: _____
- C. Consent Agenda X Agreement Category:
 X Academic
 X Enrichment
_____ Special Education
_____ Support Services
_____ Personnel
_____ Legal
_____ Facilities
- D. Action Items _____
- E. Report/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

Approve: Out of State Conference – Washington, DC (Freeman/West)

The Board's approval is requested MSAP Project Director, Ms. Debra West; three Middle School Principals, Dr. Liam Joyce, Mr. Greg Brisbane, Dr. Edd Bond, the Grant Evaluator – Lynne Aoki and the Administrative Assistant, Virginia Whitt to attend the Magnet Schools of America Technical Assistance and Training Conference in Washington, D.C. from October 9th through October 11th, 2016 . This year's theme is "Designing for Sustainability", and sessions will focus on creating, improving and ensuring innovative magnet school plans, strategic planning, and rigorous quality theme-based curriculum. This training will reinforce the following five pillars for magnet schools: Diversity, innovative curriculum development, academic excellence, high quality instructional systems, and family and community partnerships.

Session topics will include:

- Magnet Entrepreneurship
- Strategic Opportunities
- Strengthen the Learner Experience
- Certification – Standards of Excellence

FISCAL IMPACT:

Not to exceed \$15,000.00 for registration, airfare, ground travel, lodging and meals for the Assistant Superintendent, MSAP Project Director, the 3 middle school administrators, Grant Evaluator and the administrative assistant to be paid from MSAP funds.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent Educational Services and the Director of MSAP that the Board of Trustees approve the out of state conference attendance as outlined above.

ADDITIONAL MATERIAL: Conference schedule/information.



Fall Technical Assistance & Training Conference

October 9-11, 2016



Big Ideas from Successful Magnet School Leaders

Join us for our annual fall conference in the nation's capital this October. The three day technical assistance event will focus on best practices for sustaining innovative magnet school programs, strategic planning, and steps for designing creative theme-based curriculum and instruction. Attending the conference is a tremendous opportunity for schools and districts to constructively brainstorm, gather practical ideas, network with other colleagues, and gain invaluable insight from leading magnet school experts and practitioners.

The fall conference will feature four distinct tracks:

Magnet Entrepreneurship: Aspiring models of innovative school plans and approaches to teaching and learning.

Strategic Opportunities: Flexibility and creative funding sources towards creating/sustaining a healthy, and rigorous magnet program/school.

Strengthen the Learner Experience: Developing quality theme-based curriculum to support your theme that ensures rigor, deep engagement and return on investment.

Certification - Standards of Excellence: Deeper examination of the national standards; strategic planning for current and future certification candidates.

** A special session for those who are currently or are planning to participate in the national certification process will be held on the morning of October 11.*

Outstanding Keynote Speaker

Maree Sneed - Partner, Hogan Lovells

Maree is a highly sought after presenter who provides intelligent and honest counsel to school leaders across the country. She is recognized in the education industry as a lawyer who helps school districts, independent schools, educational institutions, and educational companies solve their most complex problems. For three decades, clients have sought Maree's advice as a result of her experience working in the education system, her legal acumen, her public policy work, and her ability to make connections between the education and legal arenas.



Conference Location

The Capital Hilton
1001 16th Street NW
Washington, DC 20036
(202) 393-1000

The fall conference will be held at the Capital Hilton in downtown Washington, DC.

Hotel Rooms

Take advantage of the group rate by [reserving your room](#) before September 16, 2016.

- [Press Releases](#)
- [e-Choice Newsletters](#)
- [Legislative Updates](#)
- [Grassroots Action Center](#)
- [Policy Insider Blog](#)
- [Magnets in the News](#)
- [MSA Making Headlines](#)

Technical Assistance & Training Conference

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Designing for Sustainability

The Capital Hilton

Washington, District of Columbia

October 9 - 11

Join us for our annual fall technical assistance and training conference in Washington, DC at The Capital Hilton to learn how to create, sustain and improve magnet schools. Sessions will also focus on ensuring innovative magnet school plans, strategic planning, and rigorous quality theme-based curriculum.



This is a great opportunity for schools and districts (MSAP grantees, non-grantees, future grantees) to brainstorm and network with colleagues in the magnet community.

Five Pillars for Magnet Schools:

- Diversity
- Innovative Curriculum Development
- Academic Excellence
- High Quality Instructional Systems
- Family and Community Partnerships

Four Distinct Tracks:

- **MAGNET ENTREPRENEURSHIP:** Aspiring models of innovative school plans and approaches to teaching and learning.
- **STRATEGIC OPPORTUNITIES:** Flexibility and creative funding sources towards creating/sustaining a healthy, and rigorous magnet program/school.
- **STRENGTHEN THE LEARNER EXPERIENCE:** Developing quality theme-based curriculum to support your theme that ensures rigor, deep engagement and return on investment.

- **CERTIFICATION - STANDARDS OF EXCELLENCE:** Deeper examination of the standards; strategic planning for current and future certification candidates.

[REGISTER TODAY!](#)

[SUBMIT A RFP](#)

[ACCOMMODATIONS](#)

Conference Overview

Day 1 – Sunday, October 9, 2016 (8:30 a.m. - 5:30 p.m.)

Registration and Check-in begins at 8:30 a.m.

- Breakfast
- Opening Session
- AM Refresh
- Breakout Session 1
- Lunch
- General Session
- PM Refresh
- Breakout Session 2
- PM Break
- Breakout Session 3

Day 2 – Monday, October 10, 2016 (8:30 a.m. - 5:30 p.m.)

Registration and Check-in begins at 8:30 a.m.

- Breakfast
- Opening Session
- AM Refresh
- Breakout Session 4
- Lunch
- Breakout Session 5
- PM Refresh

- General Session
- Thought-Leaders Discussion: The Landscape & Challenges of Magnets Today

Day 3 – Tuesday, October 11, 2016 (8:30 a.m. - 11:30 a.m.)

Registration and Check-in begins at 8:30 a.m.

- Breakfast
- Certification: Standards of Excellence
- AM Refresh
- Certification: Standards of Excellence

**Please check back for updates.*

Learn More TATC16

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MISSION: Providing leadership for high quality innovative instructional programs that promote choice, equity, diversity, and academic excellence for all students.

1909 K Street NW Suite C140, Washington, DC 20006

p.202.824.0672 | f.202.737.0100



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Interested in Presenting?

Are you interested in sharing your expertise during the fall conference?

Submit a [presentation proposal](#) today!

Early Bird Rate
Ends September 12

Register Now

BOARD AGENDA ITEM

Name of Contributor: Jonathan Koch

Date of Meeting: September 7, 2016

- STUDY SESSION _____
- CLOSED SESSION _____
- SECTION A: PRELIMINARY _____
- SECTION B: HEARINGS _____
- SECTION C: CONSENT AGENDA X

- Agreement Category:
- Academic
 - Enrichment
 - Special Education
 - Support Services
 - Personnel
 - Legal
 - Facilities

- SECTION D: ACTION _____
- SECTION E: REPORTS/DISCUSSION _____
- SECTION F: BOARD POLICIES 1ST Reading _____ 2nd Reading _____

School Occupational Therapist Salary Reallocation (Koch)

DESCRIPTION:

The Personnel Commission of the Oxnard School District recently approved a recommendation to the Board of Trustees to reallocate the classification of School Occupational Therapist from Range 32.0 to 34.5 of the Classified/CSEA Salary Schedule. This move does not disrupt the internal alignment of classified classifications and, as such, is subject to approval, denial, or modification by the Board of Trustees. Information which was presented to the Personnel Commission leading to this recommendation is below.

INFORMATION PROVIDED TO PERSONNEL COMMISSION / BASIS FOR RECOMMENDATION:

In 2012 OSD created a new classification for School Occupational Therapist. Since that time we have hired in four Occupational Therapists, three of which have resigned and accepted higher paying jobs elsewhere. Two of the three have resigned and accepted other employment within their first year of employment with OSD. All incumbents in the School Occupational Therapist classification have expressed concerns about the salary placement over the years. Since 2012, outside agencies and other districts have continued to increase their pay rates in order to attract qualified candidates who are in limited supply. In recent times, OSD has been contracting out this work (which should rightfully belong to the union) at a cost higher than if the District employed its own staff, even at the higher rate being recommended in this agenda item. Tables documenting relevant information can be found below along with a salary study which has been enclosed.

Competition:

- California employs the most Occupational Therapists in the nation.
- Los Angeles Metro area has the third most Occupational Therapist jobs in the nation.
- Due to a lack of occupational therapy programs at local colleges and universities, we are having to compete and pull candidates from the Los Angeles, San Diego, and bay area markets.
- We are currently only attracting recent graduates who lack experience and out-of-state OTs who are looking to move to California.

OSD Retention:

OSD Employee Tenure (Hire to Resignation)	Pay Inquiries/Raise Discussions Initiated By EE				
1 year, 10 months	11 months into tenure				
10 months	7 months into tenure				
9 months	1 month into tenure				
TBD (9 months - current)	5 months into tenure				
Other Factors:					
California Pay Percentile:	10th	25th	Median	75th	90th
Rate:	\$22.27	\$36.06	\$44.07	\$51.90	\$58.66
Current Monthly Rate Being Paid To Staffing Agency:	\$13,522				

FISCAL IMPACT

Total maximum increase of \$12,150 per School Occupational Therapist employee (currently two incumbents) over current rate of pay per school year. This includes increases in salary and associated statutory benefits.

Total decreased cost of \$30,780 per school year per employee hired at recommended rate full-time versus contracted through a staffing agency (current agency rate) pending recruitment efforts.

RECOMMENDATION

It is the recommendation of the Personnel Commission that the Board of Trustees accept the salary reallocation for School Occupational Therapist from Range 32.0 to 34.5 on the Classified/CSEA Salary Schedule.

Range 34.5 (Monthly)	\$6,986	\$7,335	\$7,702	\$8,087	\$8,491
Range 34.5 (Hourly)	\$40.30	\$42.32	\$44.43	\$46.65	\$48.99

ADDITIONAL MATERIAL

Attached: Salary Study

Agency	Min Monthly Salary	Max Monthly Salary	Min Hourly Salary	Max Hourly Salary
Lancaster ESD	\$9,978	\$11,079	\$57.56	\$63.91
West Covina USD	\$8,491	\$9,933	\$48.98	\$57.30
Modesto City USD	\$8,332	\$9,645	\$48.06	\$55.64
Jurupa USD	\$7,486	\$9,582	\$43.18	\$55.27
Palos Verdes Peninsula USD	\$7,749	\$9,430	\$44.70	\$54.40
Compton USD	\$7,491	\$9,333	\$43.21	\$53.84
Alhambra USD	\$7,323	\$8,902	\$42.24	\$51.35
Franklin-McKinley SD	\$7,409	\$8,592	\$42.74	\$49.56
Alvord USD	\$6,000	\$8,592	\$34.61	\$49.56
Recommendation	\$6,986	\$8,491	\$40.30	\$48.98
Ontario Montclair USD	\$7,203	\$8,427	\$41.55	\$48.61
Burbank USD	\$6,178	\$8,279	\$35.64	\$47.76
Covina Valley USD	\$6,767	\$8,224	\$39.03	\$47.44
Pajaro Valley USD	\$6,132	\$8,217	\$35.37	\$47.40
Santa Monica-Malibu USD	\$6,322	\$8,069	\$36.47	\$46.54
Ventura USD	\$6,337	\$7,951	\$36.55	\$45.86
Anaheim ESD	\$6,174	\$7,881	\$35.61	\$45.46
Lynwood USD	\$6,469	\$7,862	\$37.32	\$45.35
Pasadena USD	\$6,458	\$7,850	\$37.25	\$45.28
Simi Valley USD	\$6,325	\$7,807	\$36.48	\$45.03
Torrance USD	\$6,411	\$7,790	\$36.98	\$44.94
Hueneme ESD	\$6,402	\$7,786	\$36.93	\$44.91
Oxnard SD	\$6,174	\$7,505	\$35.62	\$43.30
Conejo Valley USD	\$6,072	\$7,385	\$35.03	\$42.60
Palmdale SD	\$6,610	\$7,297	\$38.13	\$42.09
Walnut Valley USD	\$5,562	\$7,249	\$32.08	\$41.81
Ventura County Office of Education	\$5,812	\$7,246	\$33.53	\$41.80
Inglewood USD	\$5,949	\$7,232	\$34.32	\$41.72
Moorpark USD	\$6,551	\$7,228	\$37.79	\$41.69
Paramount USD	\$6,104	\$7,218	\$35.21	\$41.64
Pleasant Valley SD	\$5,931	\$7,208	\$34.21	\$41.58
Fillmore USD	\$5,907	\$7,180	\$34.07	\$41.42
Santa Paula USD	\$5,904	\$7,178	\$34.06	\$41.41
Ojai USD	\$5,860	\$7,122	\$33.80	\$41.08
ABC USD	\$5,778	\$7,018	\$33.33	\$40.48
Rowland USD	\$5,588	\$6,804	\$32.23	\$39.25
Norwalk-La Mirada USD	\$6,365	\$6,755	\$36.72	\$38.97
3rd Quartile	\$6,986	\$8,491	\$40.30	\$48.98
Median	\$6,337	\$7,850	\$36.55	\$45.28
1st Quartile	\$6,000	\$7,232	\$34.61	\$41.72
Mean	\$6,611	\$8,036	\$38.13	\$46.36

Q3

Median

Q1

All Monthly Rates Based on 21.67 days per month

Indicates Ventura County District

Current Extended (Statutory & H&W Benefits): **\$8,705** **\$10,407**

Amounts above reflect salary only and do not account for any differences in benefit contributions

Districts above are comparable by size in 4-county area

Districts outside of area are comparable in terms of Size, FRLunch % & EL Student %

OSD BOARD AGENDA ITEM

Name of Contributor: **DR. JESUS VACA**

Date of Meeting: **September 7, 2016**

- A. Preliminary _____
Study Session: _____
- B. Hearing: _____
- C. Consent Agenda X Agreement Category:
_____ Academic
_____ Enrichment
_____ Special Education
_____ Support Services
_____ Personnel
_____ Legal
_____ Facilities
- D. Action Items _____
- E. Report/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

**Consideration of Revision of Job Description: PEER ASSISTANCE REVIEW (PAR)
CONSULTING TEACHER (Vaca)**

Presented for your consideration is a job description revision under the credentialing requirement for the Peer Assistance Review (PAR) Consulting Teacher.

FISCAL IMPACT:

None

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees approve the revision, as presented.

ADDITIONAL MATERIAL:

Job Description for Peer Assistance and Review (PAR) Consulting Teacher (two pages)

HUMAN RESOURCES & SUPPORT SERVICES

Title: PEER ASSISTANCE AND REVIEW (PAR) CONSULTING TEACHER

Qualifications:

1. A Bachelor's Degree
2. A valid and appropriate ~~Clear Administrative~~ *California Teaching* Credential in compliance with the provisions of Title 5, California Administrative Code, Sections ~~80125-80127~~ *80002-80127* and California Education Code, Sections ~~44270~~ *44000-44665*.
3. At least five (5) years of recent experience in the Oxnard School District as a teacher.
4. Demonstrated exemplary teaching ability.
5. Extensive knowledge and mastery of subject matter, teaching strategies, instructional techniques, and classroom management strategies necessary to meet the needs of students in different contexts.
6. Ability to communicate effectively both orally and in writing.
7. Ability to work cooperatively and effectively with others.
8. Familiar with the California Standards for the teaching profession.
9. Possess the following personal qualities:
 - a. ability to meet district standards for physical and mental health
 - b. evidence of good moral character
 - c. satisfactory recommendations from training supervisors or other professionals who have observed the candidate's personal characteristics, scholastic achievement and job-related performance

Reports to: Assistant Superintendent, Educational Services

Job Goal: The overarching goal of the PAR consulting teacher is to provide support for teachers participating in the PAR program and to help them develop their capacity, as defined by the California Standards of the Teaching Profession.

Under the direction of the Assistant Superintendent of Educational Services and in collaboration with the Directors of Curriculum Instructional and Accountability and the Executive Director, English Learner Services, the PAR teacher will support and assist teachers participating in the PAR program with improving instructional performance.

Performance Responsibilities:

The PAR consulting teacher will provide support with the following:

1. Setting and discussing performance goals with participating teacher and assistance in developing a performance assistance plan (PIP).

HUMAN RESOURCES & SUPPORT SERVICES

Performance Responsibilities: (Continued)

2. Multiple observations of the participating teacher during periods of classroom instruction.
3. Meeting and consulting with the principal or designee of a referred participating teacher.
4. Demonstrating good practice to the participating teacher.
5. Using school district resources to assist the participating teacher.
6. Monitoring the progress of the participating teacher and maintain a written record.
7. Making status reports to the PAR committee for a referred participating teacher.

Term of Employment:

The term of a consulting teacher will be two (2) years. A teacher may not serve consecutive terms in the position of a consulting teacher. A consulting teacher may reapply after returning for one year to the classroom.

Evaluation:

The evaluation and assessment of performance of the PAR teacher will be conducted by the Assistant Superintendent, Educational Services or designee, in accordance with the provisions of California Education Code, Sections 44660-44665 and Oxnard School District Board Policy.

Supplemental Information:

Each applicant is required to submit at least three (3) references from individuals who have direct knowledge of the applicant's abilities to be a consulting teacher. Also, applicants must have received "meets standards" on their most recent evaluation.

Equal Opportunity:

The Oxnard School District's Governing Board is committed to equal opportunity for all individuals in education and encourages applications for employment for all persons regardless of race, ethnicity, nationality, religion, religious creed, color, national origin, ancestry/citizenship, political affiliation, age, marital status, pregnancy, physical or mental disability, medical condition, genetic information, military and veteran status, gender, gender identity, gender expression, sex, sexual orientation, or association with a person or group with one or more of these actual or perceived characteristics. The Oxnard School District encourages applications for employment from all persons regardless of race, religion, national origin, political affiliations, disability, or sex.

Accepted 10/15 on 3-7-16

OEA Counterproposal to Memorandum of Understanding between the Oxnard School District and the Oxnard Educators Association March 1, 2016

The Oxnard School District and the Oxnard Educators Association agree to the following language for the implementation of the Peer Assistance Review Program (PAR):

ARTICLE X: PEER ASSISTANCE AND REVIEW

PREAMBLE: The Oxnard Educators Association and the Oxnard School District strive to provide the highest possible quality of education to the students of Oxnard. Both parties agree that optimum student performance can be achieved only if there is a highly qualified teacher in every classroom. In order for students to succeed in learning, teachers must succeed in teaching. The parties believe that all teachers, even the most skilled, must focus for continuous improvement in their professional practice. Therefore, the parties agree to cooperate in the design and implementation of a Peer Assistance and Review program (PAR) to improve the quality of instruction.

Peer Assistance and Review (PAR) Committee

1. The PAR committee will consist of five (5) members. Members of the PAR committee will include the Association President or designee, two (2) members selected by the Association, the Assistant Superintendent, Human Resources or designee, and one (1) other member appointed by the District. The PAR committee will establish the operational procedures of the committee, including the method for the selection of a chairperson. All decisions and/or recommendations will pass by a minimum of four votes.
2. The PAR committee will establish the meeting schedule. To hold meetings, four of the five members of the PAR committee must be present. Such meetings may take place during the regular workday, in which event teachers who are members of the committee will be released from their regular duties without loss of pay. PAR teacher committee members will receive an annual stipend in the amount of \$2,000.
3. The PAR committee, by a minimum of four votes, will adopt guidelines for implementing the provisions of this Article. Said guidelines will be consistent with the provisions of the Agreement and the law, and to the extent the Agreement has an inconsistency, the Agreement will prevail and to the extent the Agreement is inconsistent with the law, the law will prevail.
4. The PAR committee will assign the consulting teacher to a participating teacher. The participating teacher has the right to meet with the PAR committee to discuss the assignment of the consulting teacher within two weeks of notification.
5. It is intended that all documentation and information related to participation in the PAR program be regarded as a personnel matter, and as such is subject to the personnel record exemption in Government Code 6250 et seq. to the extent permitted by law
6. The PAR committee reviews the final report prepared by the consulting teacher and makes a recommendation(s) to the Governing Board regarding the referred participating teacher's progress in the PAR program.

**OEA Counterproposal to Memorandum of Understanding between the Oxnard
School District and the Oxnard Educators Association March 1, 2016**

7. The PAR committee is responsible for evaluating annually the impact of the PAR program in order to improve the program.

Participating Teachers: A referred participating teacher is a unit member with permanent or probationary status who receives assistance and coaching to improve instructional skills, classroom management, knowledge of subject, and related aspects of teaching performance.

There are three (3) categories of participating teachers.

A. Referred Teacher Participants (RTP)

1. Permanent unit members who exhibit performance deficiencies in the Formal Observation process, and have received a "Needs Improvement" rating by the site evaluator in one or more of Parts 1, 2, 3 or 4, may participate in a Performance Improvement Plan; PAR may be one of the components of any such Performance Improvement Plan.

2. Permanent unit members who exhibit performance deficiencies and have received a "Needs Improvement" rating by the site evaluator on the Evaluation of Certificated Personnel Summary Evaluation Report in one or more of Parts 1, 2, 3 or 4, shall be required to participate in a Performance Improvement Plan; PAR may be one of the components of any such Performance Improvement Plan.

3. Permanent unit members who exhibit performance deficiencies and have received an "Unsatisfactory" rating by the site evaluator on the Evaluation of Certificated Personnel Summary Evaluation Report in one or more of Parts 1, 2, 3 or 4, shall be required to participate in the PAR program as an intervention.

4. The PAR committee will forward the final report to the Governing Board.

5. The results of the participating teacher's participation in the PAR program may be used in the evaluation of the teacher pursuant to Education Code Section 44660 et. seq.

B. Volunteer Teacher Participants (VTP)

1. A permanent unit member who seeks to improve his/her teaching performance may request the PAR committee to assign a consulting teacher to provide peer assistance. It is understood that the purpose of such participation is to provide peer assistance, and that the consulting teacher will play no role in the evaluation of the teaching performance of a volunteer teacher participant. The VTP may terminate his/her participation in the PAR program at any time without a requirement to give a reason for said request.

2. Site evaluator must approve the VTP's participation in PAR program.

C. Non-Permanent Teacher Participants (NPTP)

1. Non-permanent unit members who exhibit performance deficiencies in the Formal Observation process, and have received a "Needs Improvement" rating by the site evaluator in one or more of the Standards upon which they are being

**OEA Counterproposal to Memorandum of Understanding between the Oxnard
School District and the Oxnard Educators Association March 1, 2016**

evaluated, will be required to participate in a Performance Improvement Plan; PAR be one of the components of any such Performance Improvement Plan.

2. The decision of the site evaluator to refer a non-permanent unit member to the PAR Program will not be subject to the grievance procedure presented in Article XXIII of the Agreement.

Consulting Teachers

1. A consulting teacher is a tenured unit member who provides assistance to a participating teacher pursuant to the PAR program. Consulting teachers will possess the following qualifications:

- a. At least five (5) years of recent experience in the District as a teacher.
- b. Demonstrated exemplary teaching ability.
- c. Extensive knowledge and mastery of subject matter, teaching strategies, instructional techniques, and classroom management strategies necessary to meet the needs of students in different contexts.
- d. Ability to communicate effectively both orally and in writing.
- e. Ability to work cooperatively and effectively with others.
- f. Familiar with the California Standards for the teaching profession.

2. A consulting teacher provides assistance to a participating teacher in improving instructional performance. This assistance will typically include:

- a. Setting and discussing performance goals with the participating teacher and assist in developing a performance improvement plan (PIP).
- b. Multiple observations of the participating teacher during periods of classroom instruction.
- c. Meeting and consulting with the principal or designee of a referred participating teacher.
- d. Demonstrating good practice to the participating teacher.
- e. Using school district resources to assist the participating teacher.
- f. Monitoring the progress of the participating teacher and maintaining a written record.
- g. Making status reports to the PAR committee for a referred participating teacher.

3. In order to fill a position of consulting teacher, a notice of vacancy will be posted at all sites and in the District office. In addition to submitting an application form,

2016-03-01

**OEA Counterproposal to Memorandum of Understanding between the Oxnard
School District and the Oxnard Educators Association March 1, 2016**

each applicant is required to submit at least three references from individuals who have direct knowledge of the applicant's abilities to be a consulting teacher.

All applications and references will be treated with confidentiality and will not be disclosed except as required by law.

4. Consulting teachers shall be selected by a minimum of four votes of the PAR committee.

5. Consulting teachers will be trained to both offer peer assistance and to understand the specific functions of the PAR program. The committee will monitor and evaluate the effectiveness of the consulting teacher and will make decisions regarding their continuation in the program. The PAR committee may remove a consulting teacher from the position at any time because of the specific needs of the PAR program, inadequate performance of the consulting teacher or other just cause. Prior to the effective date of such removal, the PAR committee will provide the consulting teacher with a written statement of the reasons for the removal, and, at the request of the consulting teacher, will meet with him/her to discuss the reasons.

~~6. Expenditures for the PAR program shall not exceed revenues received from BTSA funds and funds made available through the passage of ABIX without mutual agreement of the parties. The PAR program will be funded from the General Fund. The District will determine the annual budget for the implementation of the PAR program.~~

7. The number of consulting teachers in any school year will be determined by the PAR committee based upon participation in the PAR program, the budget available and other relevant considerations.

8. The term of a consulting teacher will be ~~three (3)~~ **(2) two** years. A teacher may not serve consecutive terms in the position of a consulting teacher. A consulting teacher may reapply after returning for one year to the classroom.

9. In addition to the regular salary, a consulting teacher will receive per diem pay for all days worked beyond the regular work year. **Consulting teachers will work an eight (8) hour position on site to accommodate the schedules of all teachers and receive a stipend of \$1000.**

10. Consulting teachers will be guaranteed a teaching position for which they are credentialed or legally authorized; however, it may not be the same assignment or work site. **Consulting teachers will have the right to apply for positions at their previous site after all site teachers have applied, but before positions are advertised district wide.**

11. Full time consulting teachers shall have a caseload determined by a ratio of consulting teachers to participating teachers. This ratio is dependent on the amount of intervention time determined by the PAR committee and consulting teachers.

12. The PAR program encourages a cooperative relationship between the consulting teacher and the principal with respect to the process of peer assistance and review. Prior to working with a participating teacher, the consulting teacher will meet with the principal or immediate supervisor to review and discuss the case.

OEA Counterproposal to Memorandum of Understanding between the Oxnard School District and the Oxnard Educators Association March 1, 2016

13. At the request of the participating teacher or the consulting teacher, the PAR committee may assign a different consulting teacher to work with the teacher at any time during the year.

14. The District agrees to indemnify and hold harmless the Association, any Association members on the PAR committee, and consulting teachers for any liability arising out of their participation in the PAR program as provided in Education Code Section 44503 Subdivision (c) and Government Code Section 820.2.

This Memorandum will be reviewed and evaluated by the PAR Committee no later than April 1 of each year to assess case load, effectiveness, and need for additional staff.

This Memorandum of Understanding shall sunset on June 30, 2018.



Oxnard Educators Association



Oxnard School District

3-7-16

Date

BOARD AGENDA ITEM

Name of Contributor: Jonathan Koch

Date of Meeting: September 7, 2016

STUDY SESSION _____

CLOSED SESSION _____

SECTION A: PRELIMINARY _____

SECTION B: HEARINGS _____

SECTION C: CONSENT AGENDA _____

X Agreement Category:

_____ Academic

_____ Enrichment

_____ Special Education

_____ Support Services

X Personnel

_____ Legal

_____ Facilities

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES 1ST Reading _____ 2nd Reading _____

Establish/Abolish/Increase/Reduce Hours of Position (Koch)

Establish

a five and a half hour, 183 day Paraeducator I, position number 7820, to be established at Lemonwood school. This position will be established to provide additional support.

a five and a half hour, 183 day Paraeducator I, position number 7821, to be established at Lemonwood school. This position will be established to provide additional support.

a four hour, 183 day Paraeducator I, position number 7810, to be established at Chavez school. This position will be established to provide additional support.

Increase

a two hour, 183 day Paraeducator I, position number 7190, to be increased to four hours at Ritchee school. This position will be increased to provide additional support.

a four hour, 183 day Paraeducator I, position number 7329, to be increased to five and a half hours at Curren school. This position will be increased to provide additional support.

a five hour, 183 day Paraeducator I, position number 7223, to be increased to five hours and forty-five minutes at Fremont school. This position will be increased to provide additional support.

a six hour, 203 day Cover Bus Driver/Office Assistant, position number 580, to be increased to eight hours in the Transportation department. This position will be increased to provide additional clerical assistance in the office.

Reduce

an eight hour, 183 day Bus Driver, position number 1453, to be reduced to six hours in the Transportation department. This position will be reduced due to the lack of work. The position will be reduced in order to increase the Cover Bus Driver/Office Assistant position.

Abolish

a four and a half hour, 224 day Warehouse Worker/Delivery Driver, position number 863, to be abolished in the Warehouse. This position will be abolished due to the lack of work.

FISCAL IMPACT

Cost for Para I-\$24,856.00 Site Fund

Cost for Para I-\$24,856.00 Site Fund

Cost for Para I-\$17,557.00 Site Fund

Cost for Para I-\$8,761.00 Site Fund

Cost for Para I-\$6,769.00 Site Fund

Cost for Para I-\$3,285.00 Site Fund

Cost for Cover Bus Driver-\$12,012.00 General Fund

Savings for Bus Driver-\$10,905.00 General Fund

Savings for Warehouse Worker-\$25,954 Child Nutrition Services

RECOMMENDATION

It is the recommendation to approve the establishment, increase, and reduction of positions, as presented.

ADDITIONAL MATERIAL

Attached: None

BOARD AGENDA ITEM

Name of Contributor: Jesus Vaca/Jonathan Koch

Date of Meeting: September 7, 2016

STUDY SESSION _____

CLOSED SESSION _____

SECTION A: PRELIMINARY _____

SECTION B: HEARINGS _____

SECTION C: CONSENT AGENDA X _____

Agreement Category:

_____ Academic

_____ Enrichment

_____ Special Education

_____ Support Services

X Personnel

_____ Legal

_____ Facilities

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES 1ST Reading _____ 2nd Reading _____

Personnel Actions (Vaca/Koch)

The attached are recommended personnel actions presented to the Board of Trustees for consideration. The salary placement for the individuals employed will be in accordance with salary regulations of the district. Personnel actions include: New Hires, transfers, pay changes, layoffs, recall from layoffs, resignations, retirements, and leave of absence.

FISCAL IMPACT

RECOMMENDATION

It is the recommendation to approve the Personnel Actions, as presented.

ADDITIONAL MATERIAL

Attached: Classified Personnel Actions (page)
Certificated Personnel Actions

CERTIFICATED PERSONNEL

Listed below are recommended certificated personnel actions presented for consideration by the Board of Trustees. The salaries for the individuals employed will be determined in accordance with salary regulations of the District.

NEW HIRES

Jasmin Arceo	Teacher, 2 DLI, Elm	August 30, 2016
Natalie Arceo	Teacher, 1 SEI, Driffill	August 16, 2016
Kyle Beck	Teacher, Social Science, Kamala	August 16, 2016
Miriam Blanchard	Speech/Language Specialist, Pupil Services	August 16, 2016
Patricia Brooks	Teacher, Sp Ed DHH, Marshall	August 16, 2016
Allison Bujold	Teacher, 4 SEI, Soria	August 29, 2016
Adriana Camarillo Salazar	Teacher, Kindergarten DLI, Curren	August 16, 2016
Gabriela Dena Roman	School Psychologist, Pupil Services	August 4, 2016
Alyxandra Dudley	Elementary Support Teacher, Elm	August 19, 2016
Julia Faherty	Teacher, Mathematics, Soria	August 16, 2016
Amanda Garcia	Teacher, Sp Ed DHH, Marshall	September 6, 2016
Tricia Gravel	Teacher, Sp Ed DHH, Marshall	August 19, 2016
Amelia Gutierrez	Teacher, Special Ed M/M, Sierra Linda	August 16, 2016
Melissa Haupt	Teacher, 4/5 SEI, Kamala	August 16, 2016
Edwin Hernandez	Resource Specialist, Soria	August 16, 2016
Lizbeth Hernandez	Teacher, ELA, Haydock	August 16, 2016
Cheryl Johnson	Teacher, Art, Lemonwood/Kamala	August 15, 2016
Martha Magana	Teacher, 2 DLI, Kamala	August 17, 2016
Laura Mason	Teacher, 5 SEI, Kamala	August 16, 2016
Jessica Orozco	Teacher, ELA, Driffill	August 25, 2016
Louise Patterson	Teacher, Sp Ed 4/5 M/M, Sierra Linda	August 22, 2016
Michael Polda	Teacher, Science, Chavez	August 16, 2016
Richard Raddas	Teacher, 5 SEI, McKinna	August 23, 2016
Alisha Rosen	Teacher, Physical Education, Kamala	August 16, 2016
Nelly Rivera	School Psychologist, Ritchen	August 4, 2016
Carolyn Rodriguez	School Nurse, Pupil Services	August 26, 2016
Julian Roque	Teacher, Science, Chavez	August 16, 2016
Vanessa Santiago-Velez	Teacher, Sp Ed M/M TK-1, Marina West	August 16, 2016
Adam Sutherland	Teacher, Social Science, Haydock	August 16, 2016
Maria Stephens	Speech/Language Specialist, Marina West	September 12, 2016
Ricardo Torres Hernandez	Teacher, 3 Bil, Ramona	August 16, 2016
Angela Williams	Teacher, Science, Haydock	August 16, 2016
Armando De La Mora	Substitute Teacher	2016/2017 School Year
Maria Mendez	Substitute Teacher	2016/2017 School Year
Lisa Postas	Substitute Teacher	2016/2017 School Year
Rossio Zavala Perez	Substitute Teacher	2016/2017 School Year

September 7, 2016

Intervention Services Provider (less than 20 hours per week not to exceed 75% or 135 days a year)

Gabriela Ambriz	Driffill School	August 29, 2016
Andrew Nourok	Soria School	September 1, 2016
Catherine Vidal	McKinna	August 29, 2016

September 7, 2016

ANNUAL TEACHER ASSIGNMENT REPORT
PURSUANT TO EDUCATION CODES 44256 (b) AND 44258.2
2016/2017

Pursuant to Education codes 44256 (b) and 44258.2, the Board of Trustees each year must authorize/approve those teachers who are teaching outside their credential authorization. An explanation of the education code and list of teachers affected are as follows:

Education Code 44256 (b) allows the holder of a multiple subject or a standard elementary teaching credential to teach any subject in departmentalized classes with 12 semester units, or 6 upper division units, in the subject to be taught.

<u>Name</u>	<u>Subject</u>
Michael Hunt	Math / Frank
Cheryl Johnson	Art / Lemonwood, Kamala

Education Code 44258.2 allows the holder of a single subject or standard secondary teaching credential to teach any subject in departmentalized classes with 12 semester units, or 6 upper division units, in the subject to be taught.

<u>Name</u>	<u>Subject</u>
Suzanne Dempsey	Art / Haydock

CLASSIFIED PERSONNEL ACTIONS

September 7, 2016

New Hire

Chaidez, Lorena M.	Paraeducator II (B), Position #679 Special Ed. 5.5 hrs./183 days	08/17/2016
Meraz, Deseri	Paraeducator II, Position #2889 Ed. Services 5.75 hrs./183 days	08/17/2016
Teske, Margaret	School Occupational Therapist, Position #2865 Special Ed. 8.0 hrs./203 days	08/16/2016
Randall, Nicholas	Maintenance Worker I, Position 5844 Facilities 8.0 hrs./246 days	08/29/2016
Salinas II, Marco A.	Bus Driver, Position #1453 Transportation 6.0 hrs./183 days	08/17/2016
Valencia, Alejandra G.	Outreach Specialist (B), Position #2688 Marshall 8.0 hrs./180 days	08/18/2016
Wiley, Karla	Library Media Technician, Position #2523 Ramona 5.0 hrs./190 days	08/09/2016
Zamora, Alma	Paraeducator I, Position #7788 Chavez 4.0 hrs./183 days	08/29/2016

Limited Term

Cervantes Godinez, Rosa	Paraeducator	08/19/2016
Chaidez, Lorena	Paraeducator	08/16/2016
Corona, Martha	Clerical	08/18/2016
Galvan, Jose A.	Paraeducator	08/18/2016
Lopez, Olanda	Child Nutrition Worker	08/18/2016
Olson, Teresa	Paraeducator	08/18/2016
Salinas II, Marco	Bus Driver	08/16/2016

Exempt

Colon, Matthew	Campus Assistant	08/18/2016
Herrera, Bobby	Campus Assistant	08/19/2016
Serratos-Hernandez, Eduardo	Campus Assistant	08/15/2016

Increase in Hours

Aguilera, Martha	Paraeducator I (B), Position #7223 Fremont 5.75 hrs./183 days Paraeducator I (B), Position #7223 Fremont 5.75 hrs./183 days	08/29/2016
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Transfer

Bernal, Rosalina	Child Nutrition Worker, Position #2789 McAuliffe 5.0 hrs./185 days Child Nutrition Worker, Position #269 Lemonwood 5.0 hrs./185 days	08/15/2016
Mello, Tiffany	Intermediate School Secretary, Position #6241 Chavez 8.0 hrs./192 days Secretary, Position #1357 Enrollment Center 8.0 hrs./246 days	09/06/2016
Zamarripa, Juan	Custodian, Position #2398 Soria 8.0 hrs./246 days Custodian, Position #6673 Elm 4.0 hrs./246 days	08/15/2016

Return from Leave of Absence

Arellano, Mariselda	Preschool Assistant (B), Position #2658 Ed. Services 3.0 hrs./183 days	08/16/2016
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Return from Leave of Absence

Tanedo, Melinda	Paraeducator II, Position #2195 Special Ed. 5.75 hrs./183 days	08/16/2016
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Unpaid Leave of Absence

Banales, Lizbeth	Paraeducator II (B), Position #2750 Special Education 5.0 hrs./183 days	08/31/2016-12/14/2016 (Wednesdays only)
Sandoval, Janice	Child Nutrition Worker, Position #129 Brekke 5.5 hrs. 185 days	08/25/2016-11/09/2016

Resignation

Bond, Nevin	Security/Maintenance Worker, Position #694 Facilities 8.0 hrs./246 days	08/24/2016
Freeman, Alicia	Administrative Assistant (B), Position #5422 Human Resources 8.0 hrs./246 days	09/09/2016
Gravel, Tricia	Paraeducator Hearing Impaired, Position #2955 Special Ed. 5.75 hrs./183 days	08/18/2016
Hernandez, Lorena	Child Nutrition Worker, Position #2838 Frank 4.0 hrs./185 days	08/15/2016
Rivera, Patricia	IA CELDT, Position #2435 Ed. Services 5.5 hrs./183 days	08/16/2016
Sisemore, Theresa	Speech Language Pathology Assistant, Position #2843 Special Ed. 8.0 hrs./183 days	06/17/2016

OSD BOARD AGENDA ITEM

Name of Contributor: **Robin I. Freeman**

Date of Meeting: **9/7/16**

- A. Preliminary _____
Study Session: _____
- B. Hearing: _____
- C. Consent Agenda _____ Agreement Category:
____ Academic
____ Enrichment
____ Special Education
____ Support Services
____ Personnel
____ Legal
____ Facilities
- D. Action Items X
- E. Report/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

Middle School Academy Name Changes (Freeman/West)

The Board of Trustees' approval is requested for the official change of names at the three Oxnard School District Magnet School Assistance Program (MSAP) middle schools to reflect their specific academy focus as follows:

Robert J. Frank Intermediate School will become **R.J. Frank Academy of Marine Science & Engineering**

John C. Fremont Intermediate School will become **Fremont Academy of Environmental Science & Innovative Design**

Richard B. Haydock Intermediate School will become **Haydock Academy of Arts & Sciences**

All three sites will be recognized as middle schools rather than as intermediate schools as a result of the implementation of the MSAP grant and the inclusion of 6th grade at the three aforementioned schools.

FISCAL IMPACT: There is no fee for the requested name change thus no fiscal impact will occur with the approval of this request. Board approval regarding the necessary signage that will be installed to reflect the proposed name changes, if any, will be presented under separate cover.

RECOMMENDATION: It is the recommendation of Robin Freeman, Assistant Superintendent Educational Services and Debby West, Director of Magnet Schools Assistance Program that the Board of Trustees approve the change in names as outlined above.

ADDITIONAL MATERIAL: None

BOARD AGENDA ITEM

Name of Contributor(s): Dr. Morales/Lisa Cline

Date of Meeting: 9/7/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION A: PRELIMINARY _____
SECTION B: HEARINGS _____
SECTION C: CONSENT AGENDA _____

Agreement Category:
_____ Academic
_____ Enrichment
_____ Special Education
_____ Support Services
_____ Personnel
_____ Legal
_____ Facilities

SECTION D: ACTION _____ X _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1ST Reading _____ 2nd Reading _____

Approval of Resolution #16-08 Adopting the Preliminary Environmental Assessment for the Remainder of the Lemonwood Site (Morales/Cline/CFW)

The construction of the new Lemonwood school is occurring over two phases. The California Department of Toxic Substances Control (DTSC) has approved construction for Phase 1 of the Lemonwood Project. DTSC has required a Preliminary Environmental Assessment (PEA) report for Phase 2 of the Project based on soil testing that was performed over the summer. ATC Cardno, the District’s environmental consultant on the Lemonwood Project, has prepared and submitted a PEA for the remainder of the Lemonwood site (Phase 2 of the Construction Project).

The PEA report presents investigation results and conclusions based on a health risk screening evaluation of the site. The report recommends a Land Use Covenant requiring that site be used only as a school (non-residential use) and that the property not be sold for residential development without further soil remediation. The PEA report also recommends the adoption of a Soil Management Plan for guiding the handling of soil during construction activities. The DTSC concurs with the report’s conclusions and recommendations.

On August 1, 2016, the District opened a 30-day review period during which the public could provide comments to the PEA. A public hearing for the PEA report was held on August 24, 2016 and the public comment period closed on August 30, 2016.

At this time, the District recommends that the Board of Trustees consider approving Resolution #16-08 that adopts the PEA report.

FISCAL IMPACT

None

RECOMMENDATION

It is the recommendation of the Superintendent and the Deputy Superintendent, Business and Fiscal Services, in consultation with Caldwell Flores Winters, that the Board of Trustees approve Resolution No. #16-08 adopting the Preliminary Environmental Assessment (PEA) for the remainder of the Lemonwood site.

ADDITIONAL MATERIAL(S):

- Resolution #16-08 (2 pages)
- PEA Report dated July 5, 2016 (339 pages)
- Letter from DTSC dated July 27, 2016 (5 pages)

GOALS:

- ***District Goal Three: Adopt and Implement a Comprehensive Facilities Program that Improves Student Performance, Maximizes State Funding Opportunities and Reduces Overcrowding at Existing School Sites***

RESOLUTION NO. 16-08

**RESOLUTION OF THE BOARD OF TRUSTEES OF THE OXNARD SCHOOL DISTRICT
ADOPTING THE PRELIMINARY ENVIRONMENTAL ASSESSMENT FOR THE
REMAINDER OF THE LEMONWOOD ELEMENTARY SCHOOL SITE**

WHEREAS, construction of the new Lemonwood school is planned to occur over two phases to minimize disruptions to the ongoing educational program;

WHEREAS, pursuant to the initial construction timeline, a Preliminary Environmental Assessment (“PEA”) was completed for the initial construction area associated with the Lemonwood Reconstruction Project and was adopted by the Oxnard School District (“District”) Board of Trustees by Resolution #15-32 on April 20, 2016;

WHEREAS, the California Department of Toxic Substances Control (“DTSC”) issued a “no further action” letter to the District on May 5, 2016 thereby approving the PEA report for the initial construction area;

WHEREAS, per the requirements of the DTSC, the District retained ATC Group Services, Inc., to conduct additional soils testing and prepare a second PEA report for the remainder of the Lemonwood school site to complete the DTSC review and approval process for the entire site;

WHEREAS, this PEA report presents investigation results and conclusions based on a health risk screening evaluation of the remainder of the Lemonwood school site and recommends that the District accept and enter into a long term deed restriction, known as a Land Use Covenant (“LUC”) for the property which would restrict the property to non-residential uses;

WHEREAS, the deed restriction also requires that the District comply with a Soil Management Plan;

WHEREAS, the DTSC issued a letter concurring with the adequacy of this PEA report and its recommendations;

WHEREAS, on August 1, 2016, the District opened a 30-day review period during which the public could provide comments to this PEA and a public hearing was held on August 24, 2016 and the public comment period closed on August 30, 2016;

WHEREAS, the District considered and responded to comments received from the public and other interested agencies regarding this PEA;

NOW, THEREFORE, the Board of Trustees of the Oxnard School District hereby finds, determines, declares, orders, and resolves as follows:

- (1) All of the recitals set forth above are true and adopted as a part of the District’s official record;
- (2) A 30-day public review period for this PEA report and a public hearing have been conducted and all comments received have been considered;

- (3) A summary of any public comments received and the District's responses to comments has been forwarded to the DTSC; and
- (4) The Board adopts the PEA report for the remained of the Lemonwood Elementary School Site and approves the recommendations.

APPROVED, PASSED AND ADOPTED by the Board of Trustees of the Oxnard School District on this the 7th day of September 2016, by the following vote:

Ayes: _____
 Nays: _____
 Abstentions: _____
 Absences: _____

Board of Trustees:

President Robles-Solis: _____
 Clerk Cordes: _____
 Trustee Duff: _____
 Trustee Morrison: _____
 Trustee O'Leary: _____

 Veronica Robles-Solis
 President of the Board of Trustees
 Oxnard School District

I HEREBY CERTIFY that the foregoing resolution #16-08 was duly and regularly introduced, passed and adopted by the members of the Board of Trustees of the Oxnard School District at a public meeting of said Board held on September 7, 2016.

 Debra M. Cordes
 Clerk of the Board of Trustees
 Oxnard School District



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

PRELIMINARY ENDANGERMENT ASSESSMENT REPORT

**LEMONWOOD ELEMENTARY SCHOOL
PHASE 2 CONSTRUCTION AREA**

**2200 CARNEGIE COURT
OXNARD CALIFORNIA 93035**

Submitted to:
Scarlett Zhai, PhD.
Department of Toxic Substance Control
Schools Evaluation and Brownfield Cleanup
Cypress Regional Office
796 Corporate Avenue
Cypress, California 90630

Submitted by:
ATC Group Services
25 Cupania Circle
Monterey Park, California 91755
323-517-9780

July 5, 2016

Reviewed by:

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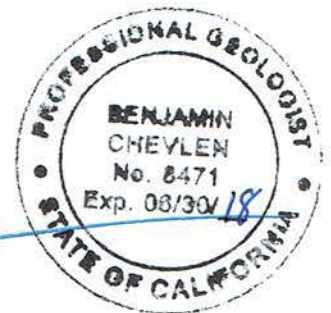


TABLE OF CONTENTS

EXECUTIVE SUMMARY	III
1.0 SITE DESCRIPTION.....	1
2.0 BACKGROUND	1
2.1 Geology and Hydrogeology.....	1
3.0 APPARENT PROBLEM	2
4.0 SITE ASSESSMENT ACTIVITIES	2
4.1 Pre-Field Activities.....	3
4.2 Soil Sampling	3
4.3 Analytical Results.....	4
4.4 Quality Assurance/Quality Control	6
4.5 Preliminary Screening Evaluation	7
4.6 Detailed Screening Evaluation	7
5.0 CONCLUSIONS.....	8
6.0 RECOMMENDATIONS.....	8
7.0 PUBLIC PARTICIPATION PROCESS.....	8
8.0 LIMITATIONS.....	9
9.0 REFERENCES.....	10

FIGURES

Figure 1	Site Vicinity Map
Figure 2	Site Plan with Assessment Locations

TABLES

Table 1	Laboratory Summary – Soil Analytical Data: Metals
Table 2	Laboratory Summary – Soil Analytical Data: OCPs
Table 3	Laboratory Summary – Soil Analytical Data: Fill Material Profiling
Table 4	Laboratory Summary – Equipment Blank Samples
Table 5	Risk Calculations – Default Residential Use Screening Levels
Table 6	Risk Calculations – Site-Specific Screening Levels

TABLE OF CONTENTS (continued)

APPENDICES

Appendix A	Site Conceptual Model
Appendix B	Laboratory Analytical Reports and Chain-of-Custody Documentation
Appendix C	ProUCL Input and Output Data Tables
Appendix D	RSL Calculator Input Parameters.
Appendix E	Site-Specific Risk Output - Child
Appendix F	Site-Specific Risk Output - Adult

EXECUTIVE SUMMARY

The property located at 2200 Carnegie Court in Oxnard California, consists of a rectangular-shaped, 9.87-acre parcel of land, which is currently utilized as a kindergarten through eighth-grade school. The Oxnard School District (OSD) is planning to redevelop the site utilizing a phased approach. A Preliminary Endangerment Assessment (PEA) report for the north-central portion of the site, known as the Phase 1 Construction Area, has already been accepted by the Department of Toxic Substance Control (DTSC) in a letter dated May 5, 2016. This PEA report has been prepared for the remainder of the site, known as the Phase 2 Construction Area.

The site was previously used for agriculture from at least the 1940's to the 1960's. Agricultural use at the site was discontinued when the Lemonwood area was first developed for residential use in the late 1960's. The school site remained vacant and undeveloped until 1981, when it was developed with the existing school. An abandoned oil well is present at the east side of Lemonwood Park. The well was drilled in 1959 and was operated by several different entities until 1979, when it was idled due to declining production. The well was subsequently abandoned in 1990.

In 2013, Earth Systems Pacific conducted preliminary environmental site assessments at the school site (Earth Systems Pacific, 2013a and Earth Systems Pacific, 2013b). Shallow soil at depths of up to five feet below ground surface (bgs) was analyzed for the presence of organochlorine pesticides (OCPs). Of the detected OCPs, dieldrin posed the greatest risk to site users if the soil was disturbed. The OCPs 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT were detected at higher concentrations than dieldrin, but were considered to pose less of a risk to human health.

In October 2015 and January 2016, Cardno ATC (now ATC Group Services [ATC]) conducted additional soil sampling in the Phase 1 Construction Area, and soil vapor, groundwater, and soil sampling near the abandoned oil well east of the site. Soil vapor, groundwater, and soil data collected near the abandoned oil well indicated a lack of contamination in that area. Within the Phase 1 Construction Area, metals concentrations appeared representative of background concentrations; however, elevated concentrations of OCPs were detected. ATC's PEA report recommended dust suppression as an appropriate approach to address soil contamination in the Phase 1 Construction Area (ATC, 2016a).

In May 2016, ATC conducted additional soil sampling in the Phase 2 Construction Area, during which time a total of 64 soil borings (SB-15 through SB-78) were advanced at the site. Other than OCPs, the collected soil samples were generally non-detect for analyzed constituents, or were detected at concentrations representative of naturally-occurring background concentrations. It should be noted that based on the chemical characteristics of the detected OCPs, that the detected concentrations do not pose a current risk to on-site students or employees. Rather, the potential exposure route would be ingestion of contaminated soil exposed during site construction activities.

Based on data collected in 2013 and 2016, within the Phase 2 Construction Area the cancer risk calculated (when utilizing the standard residential use scenario screening levels) for each detected contaminant except for dieldrin and toxaphene was below the DTSC-established risk threshold of 1×10^{-6} ; the calculated cancer risk for dieldrin and toxaphene were 2.05×10^{-6} and 3.87×10^{-6} , respectively. The cumulative cancer risk for all detected contaminants was calculated to be 8.00×10^{-6} .

Based on the initial cancer risk calculations, ATC utilized site-specific data inputs to calculate the cancer risk for both children (students) and adults (teachers, maintenance staff, etc.) within the Phase 2 Construction Area. Utilizing site-specific data, the calculated cancer risk for each detected contaminant was below the DTSC-established risk threshold of 1×10^{-6} ; the cumulative cancer risk for all detected contaminants was calculated to be 1.04×10^{-6} for children and 1.66×10^{-6} for adults.

Given the primary exposure pathway would be through the ingestion or inhalation of soil to which the contaminants had adsorbed (as opposed to inhalation of volatilized chemicals), ATC recommends dust suppression and mitigation measures as the appropriate approach to address soil contamination during

construction activities at the site. In lieu of preparing a Removal Action Workplan (RAW), something that would be warranted based on the initial cancer risk calculations, the cancer risk calculations utilizing site-specific screening levels suggest a Land Use Covenant Agreement (LUCA) limiting the site's future use to non-residential purposes, along with preparation of a Soil Management Plan (SMP) for the site, as an appropriate alternative. Accordingly, ATC recommends a LUCA be recorded and an SMP be generated for the site prior to commencing with construction activities in the Phase 2 Construction Area.

1.0 SITE DESCRIPTION

The property consists of a rectangular-shaped, 9.87-acre parcel of land, which is currently utilized as an elementary school (Figures 1 and 2). The southern half of the property contains 26 classroom and administration buildings, 17 of which are portable buildings. Several portable metal containers utilized for storage are also located on the southern half of the property. The northern half of the property consists of a parking lot along Carnegie Court, basketball courts, and a large grass playing field. Limited landscaping is located along the exterior of the administration building and elsewhere at the school.

The surrounding area is residential, with Lemonwood Park directly east of the site and residential housing to the north. San Mateo Place borders the property to the south and Carnegie Court borders the property to the west.

2.0 BACKGROUND

The site was previously used for agriculture from at least the 1940's to the 1960's. Agricultural use at the site was discontinued when the Lemonwood area was first developed for residential use in the late 1960's; the school site remained vacant and undeveloped until 1981, when it was developed with the existing school. An abandoned oil well is present at the east side of Lemonwood Park. The well was drilled in 1959 and was operated by several different entities until 1979, when it was idled due to declining production. The well was subsequently abandoned in 1990.

Two previous site assessments were conducted by Earth Systems Pacific in May and November 2013. Soil was analyzed for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), OCPs, metals, and asbestos. Diesel-range and oil-range hydrocarbons (TPHd and TPHo, respectively) were detected in samples from the area west of the former oil well. Gasoline-range hydrocarbons (TPHg), VOCs, PAHs, PCBs, and asbestos were not detected during the sampling event. Dieldrin has been detected in imported fill soil located on the property. The report recommended that additional assessment should be conducted under the oversight of the DTSC School Property Evaluation and Cleanup Division. Historical soil analytical data for soil borings that were advanced within the Phase 2 Construction Area are included on Tables 1 through 3.

In October 2015 and January 2016, Cardno ATC conducted additional soil sampling in the Phase 1 Construction Area, and soil vapor, groundwater, and soil sampling near the abandoned oil well east of the site. Soil vapor, groundwater, and soil data collected near the abandoned oil well indicated a lack of contamination in that area. Within the Phase 1 Construction Area, metals concentrations appeared representative of background concentrations; however, elevated concentrations of OCPs were detected. ATC's PEA report recommended dust suppression as an appropriate approach to address soil contamination in the Phase 1 Construction Area (ATC, 2016a).

2.1 Geology and Hydrogeology

The site is located in the Oxnard Subbasin part of the Santa Clara River Valley Groundwater Basin. The basin is bounded on the north by the Oak Ridge Fault, on the south by the Santa Monica Mountains, on the east by the Pleasant Valley and Las Posas Valley Basins, and on the west by the Pacific Ocean.

The central part of the basin is overlain by Recent Alluvium. Water-bearing sediments are beneath the Recent and Pleistocene soils. Groundwater flow is generally south-southwest (Department of Water Resources, 2003). The site is approximately 40 feet above mean sea level and the land surface slopes gently to the south (USGS, 1996). Groundwater was measured at approximately 10 feet bgs during this investigation.

3.0 APPARENT PROBLEM

Based on previous site assessment activities, OCP-impacted soil was detected beneath the paved areas and proposed building locations. Additionally, given the age of the buildings present at the site, lead contamination originating from potential historical use of lead-based paint, OCP contamination originating from potential historical use of OCP-containing termiticides, and arsenic and/or OCP contamination originating from historical agricultural uses of the property potentially exist at the site. Finally, given the lack of documentation regarding the origin of the imported fill observed by Earth Systems Pacific (Earth Systems Pacific, 2013b), the imported fill needs to be properly profiled.

Large areas of the site are scheduled to be disturbed by demolition, grading, and reconstruction; activities that may result in the completion of ingestion, inhalation, and dermal exposure pathways via wind-blown dust, soil carried to different parts of the site by heavy equipment, and adhesion to site worker clothing. A Site Conceptual Model indicating the potential exposure pathways is provided in Appendix A.

4.0 SITE ASSESSMENT ACTIVITIES

As proposed in ATC's *PEA Workplan – Phase 2 Construction Area*, dated May 6, 2016 (ATC, 2016b), ATC observed the advancement of a total of 64 soil borings (SB-15 through SB-78), with soil collected at all locations submitted for laboratory analysis.

The completed scope of work is intended to address the concerns outlined in Section 3.0. ATC's justification for the locations and sampling depths selected, as well as the analyses performed are presented below:

- **To address potential concerns related to lead-based paint**, ATC collected 12 soil samples (SB-15 through SB-26) at a depth of 0.5 feet bgs to be analyzed for lead. ATC reviewed the DTSC's *Interim Guidance – Evaluation of School Sites with Potential Soil Contamination as a Result of Lead from Lead-Based Paint, Organochlorine Pesticides from Termiticides, and Polychlorinated Biphenyls from Electrical Transformers* (DTSC, 2006) to determine the appropriate sampling approach. Existing buildings #1, 2, 4, 5, 7, 8, and 10 will be demolished in preparation for site redevelopment activities. While buildings #901 through 915 and 920 are also set to be demolished, per a 1994 aerial photograph presented in Cardno ATC's Phase I ESA (Cardno ATC, 2015a), these buildings were installed after January 1, 1993; accordingly, no analysis for lead is necessary in this portion of the site. Since the sampling was performed prior to demolition and the buildings are surrounded almost completely by pavement, the DTSC's guidance to collect one sample on each side of each building is not appropriate for the site. On May 2, 2016, ATC staff visited the site and identified the nearest unpaved areas of the site, with relation to the existing site buildings (those constructed prior to January 1, 1993), and the expected areas where rainwater runoff would accumulate.
- **To address potential concerns related to historical agricultural use at the site**, ATC advanced 12 soil borings (SB-27 through SB-38), with soil samples collected at 0.5 feet and 2 feet bgs at each location. The collected samples were composited in a 3:1 ratio and analyzed for OCPs. Based on the laboratory results (discussed in Section 4.3 and presented in Table 2), multiple composite samples contained one or more OCPs at concentrations exceeding their respective Regional Screening Levels (RSLs); ATC subsequently requested analysis of discrete soil samples that were collected at the same locations and sample depths, which comprised the respective composite samples that contained one or more OCPs at concentrations exceeding their respective RSLs. A total of eight discrete samples were also analyzed for arsenic. When determining the appropriate sampling approach, ATC reviewed the DTSC's *Interim Guidance for Sampling Agricultural Properties* (DTSC, 2008). Since the site is no longer utilized for agricultural purposes and a significant portion of the property has been paved-over, the guidance no longer directly applies. In subsequent conversations between ATC and DTSC it was determined that using the same number of samples as proposed in the DTSC's guidance, but with samples collected both at 0.5 and 2 feet bgs would be an appropriate approach. Based on previously-

collected metals data from the site, ATC did not analyze soil samples from soil borings SB-27 through SB-38 for any Title 22 metals other than arsenic.

- **To address potential concerns related to the potential application of OCP-containing termiticide at the site**, ATC advanced a total of 30 soil borings (SB-39 through SB-68) immediately adjacent to school buildings that were present at the site prior to January 1, 1989. Soil samples were collected at 0.5 feet and 2 feet bgs, and were composited together at a ratio of 3:1 and analyzed for OCPs. Based on the laboratory results (discussed in Section 4.3 and presented in Table 2), multiple composite samples contained one or more OCPs at concentrations exceeding their respective RSLs; ATC subsequently requested analysis of discrete soil samples that were collected at the same locations and sample depths, which comprised the respective composite samples which contained one or more OCPs at concentrations exceeding their respective RSLs. ATC reviewed the DTSC's 2006 Interim Guidance when determining the appropriate sampling approach. Reviewing a 1994 aerial photograph presented in Cardno ATC's September 11, 2015 Phase I ESA, buildings 901 through 915 and 920 were placed on-site at some point after the 1994 aerial photograph was taken; since these buildings were installed after January 1, 1989, no analysis for termiticide-related OCPs was performed in this portion of the site.
- **To address concerns related to potential contamination in the undocumented fill material observed at the site**, ATC collected ten soil samples (SB-69 through SB-78) at a depth of 2 feet bgs to be analyzed for Title 22 metals, asbestos, pH, PAHs, OCPs, organophosphorus pesticides (OPPs), chlorinated herbicides, VOCs, semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), and PCBs. To determine the appropriate sampling approach, ATC reviewed the DTSC's *Information Advisory – Clean Imported Fill Material* (DTSC, 2001). ATC utilized the area delineated as "Dieldren [SIC] Above CHHSL" in Figure 2 of Cardno ATC's *PEA Work Plan – Phase 1 Construction* (Cardno ATC, 2015b) for the site when calculating the estimated volume of imported fill present on the site. Assuming the fill material extends to a depth of three feet bgs and the volume within the Phase 1 Construction Area is omitted, a total volume of approximately 4,000 cubic yards (yd³) of imported fill material is present at the site. Given the DTSC's October 2001 guidance recommends four samples for the first 1,000 yd³ and one additional sample for each 500 yd³ of fill material, and conversations with DTSC, it was determined that 10 samples at a depth of 2 feet bgs would be an appropriate number. Since the origin of the imported fill material is unknown, the samples were analyzed for all constituents listed in the four different Fill Source scenarios presented in the 2001 guidance document.

A more in-depth discussion of the work performed by ATC is presented below.

4.1 Pre-Field Activities

A Site Health & Safety Plan (HASP) was prepared for the proposed activities to establish the personal health and safety procedures of ATC employees performing work at this location. The program satisfies the requirements promulgated by the Occupational Safety and Health Administration (OSHA). As part of the HASP, ATC personnel are appropriately trained and under a Medical Surveillance Program in accordance with OSHA 40 CFR 1910.120.

Prior to sampling activities, Underground Service Alert (USA) was contacted for the purpose of notifying utility companies with subsurface lines in the site area.

4.2 Soil Sampling

Between May 23 and 25, 2016, ATC observed Strongarm Environmental Field Services (Strongarm) advance a total of 64 soil borings (SB-15 through SB-78) at the site using a hand auger. The soil boring locations are shown on Figure 2. The soil borings were advanced to a maximum depth ranging from 1 to 2.5 feet bgs. Sampling equipment was decontaminated using a three stage wash/rinse with Alconox® (or equivalent) between each interval of sampling. A duplicate soil sample was collected for each laboratory

analysis being performed on a given day, with an additional duplicate soil sample collected for each additional ten soil samples (or portion thereof) collected that day for the same laboratory analysis. The samples were contained in non-preserved glass jars (with soil samples being collected for VOC analysis contained in EnCore® sampling containers), labeled, placed in an ice-chilled cooler, and delivered to a certified environmental laboratory (Positive Lab Service) for analysis. Depending on the purpose of a given soil boring (see Section 4.0), the collected soil samples were analyzed for one or more of the following constituents:

- Arsenic by EPA Method 6010B
- Asbestos by OSHA Method ID-191, utilizing polarized light microscopy
- Chlorinated herbicides by EPA Method 8151A
- Lead by EPA Method 6010B
- OCPs by EPA Method 8081A
- OPPs by EPA Method 8141A
- PAHs by EPA Method 8310
- PCBs by EPA Method 8082
- pH by EPA Method 9045
- SVOCs by EPA Method 8270C
- Title 22 metals by EPA Methods 6010B and 7471A
- TPH by EPA Method 8015M
- VOCs by EPA Method 8260B and EPA 5035

4.3 Analytical Results

Laboratory analytical results for collected soil samples are discussed below and are summarized on Tables 1 through 3. Copies of all laboratory analytical reports are provided in Appendix B.

Lead-Based Paint Concerns

Soil borings SB-15 through SB-26 were analyzed for lead to evaluate potential contamination of near-surface soil from possible historical use of lead-based paint at the site. Lead was detected in all collected soil samples at concentrations ranging from 5.12 to 13.5 milligrams per kilogram (mg/kg). It is ATC's opinion that the lead concentrations in soil samples collected from soil borings SB-15 through SB-26 were in-line with previously-detected site-wide lead concentrations, as well as those collected in soil borings SB-69 through SB-78; accordingly, the detected lead concentrations appear to represent naturally-occurring background concentrations and contamination of near-surface soil at the site from the use of lead-based paint does not appear to have occurred at the site. Soil analytical data for lead are summarized on Table 1.

Historical Agricultural Use Concerns

Soil borings SB-27 through SB-38 were analyzed to evaluate potential contamination of soils extending to a depth of up to 2.5 feet bgs for OCPs and arsenic related to historical agricultural usage of the site. Eight discrete soil samples were analyzed for arsenic, while soil samples collected for OCP analysis were combined into three-point composite samples (Comp 1 through Comp 4) at a given depth (soil was not composited across multiple depths).

Arsenic was detected in all collected soil samples at concentrations ranging from 1.69 to 3.62 mg/kg. It is ATC's opinion that the arsenic concentrations in soil samples collected from soil borings SB-27 through SB-38 were consistent with previously-detected site-wide arsenic concentrations, as well as those collected in soil borings SB-69 through SB-78; accordingly, the detected arsenic concentrations appear to represent naturally-occurring background concentrations and contamination of shallow soil at the site from the use of arsenic-based pesticides does not appear to have occurred at the site. While the RSL for arsenic is 0.68 mg/kg, the consensus background for arsenic in the Southern California Region is 12 mg/kg, a concentration no soil samples exceeded.

OCPs, particularly 4,4'-DDE, 4,4'-DDT, dieldrin, and toxaphene were detected in the composite soil samples collected at 0.5 feet and 2 feet bgs in Comp 1 through Comp 4. Due to one or more analytes being detected at concentrations exceeding their respective screening levels in the composite samples collected at 0.5 feet bgs from Comp 1 through Comp 4, ATC subsequently instructed the laboratory to analyze the individual component samples collected from SB-27 through SB-38 at 0.5 feet bgs for OCPs. Additionally, since the sample collected at 2 feet bgs from Comp 3 contained toxaphene at a concentration exceeding the relevant screening level, the individual soil samples collected from SB-33 through SB-35 at two feet bgs were also analyzed for OCPs. Omitting inclusion of data from Comp 1 through Comp 4, the following OCPs were detected at concentrations exceeding their respective screening levels:

- 4,4'-DDT was detected in three samples at concentrations of up to 2,780 ug/kg (SB-34 at 0.5 feet bgs), exceeding the screening level of 1,900 ug/kg.
- Dieldrin was detected in three samples at concentrations of up to 85.4 ug/kg (SB-34 at 0.5 feet bgs), exceeding the screening level of 34 ug/kg.
- Toxaphene was detected in 11 samples at concentrations of up to 5,200 ug/kg (SB-34 at 0.5 feet bgs), exceeding the screening level of 490 ug/kg.

It should also be noted that due to elevated detection limits, several soil samples were non-detect for dieldrin and/or heptachlor epoxide; however, the detection limits were higher than their respective screening levels. Soil analytical data for arsenic are summarized on Table 1, while soil analytical data for OCPs are summarized on Table 2.

OCP-Containing Termiticide Concerns

Soil borings SB-39 through SB-68 were analyzed to evaluate potential contamination of soils extending to a depth of up to 2.5 feet bgs for OCPs related to the possible historical application of OCP-containing termiticides at the site. Soil samples were combined into three-point composite samples (Comp 5 through Comp 15) at a given depth (soil was not composited across multiple depths).

OCPs, particularly 4,4'-DDE, 4,4'-DDT, dieldrin, and toxaphene were detected in the composite soil samples collected at 0.5 feet and 2 feet bgs in Comp 5 through Comp 14. Due to one or more analytes being detected at concentrations exceeding their respective screening levels in the composite samples collected at 0.5 feet and 2 feet bgs from Comp 5 through Comp 10 and from 0.5 feet bgs from Comp 11 through Comp 14, ATC subsequently instructed the laboratory to analyze the individual component samples collected from SB-39 through SB-56 at 0.5 feet and 2 feet bgs, and from SB-57 through SB-68 at 0.5 feet bgs for OCPs. Omitting inclusion of data from Comp 5 through Comp 14, the following OCPs were detected at concentrations exceeding their respective screening levels:

- Chlordane was detected in one sample (SB-51 at 0.5 feet bgs) at a combined concentration of 6,705 ug/kg, exceeding the screening level of 1,700 mg/kg. The detected chlordane compounds were alpha-chlordane (505 ug/kg), gamma-chlordane (460 ug/kg), and technical chlordane (5,740 ug/kg).
- 4,4'-DDE was detected in one sample (SB-43 at 2 feet bgs) at a concentration of 2,660 ug/kg, exceeding the screening level of 2,000 ug/kg.
- 4,4'-DDT was detected in five samples at concentrations of up to 4,410 ug/kg (SB-52 at 2 feet bgs), exceeding the screening level of 1,900 ug/kg.
- Dieldrin was detected in 27 samples at concentrations of up to 228 ug/kg (SB-46 at 2 feet bgs), exceeding the screening level of 34 ug/kg.
- Toxaphene was detected in 41 samples at concentrations of up to 5,260 ug/kg (SB-43 at 2 feet bgs), exceeding the screening level of 490 ug/kg.

Soil analytical data for OCPs are summarized on Table 2.

Undocumented Fill Concerns

Soil borings SB-69 through SB-78 were analyzed to profile imported fill material previously observed at the site. Soil samples were collected at 2 feet bgs from all locations and were analyzed for Title 22 metals, asbestos, pH, PAHs, OCPs, OPPs, chlorinated herbicides, VOCs, SVOCs, TPH, and PCBs. All detected

metals concentrations appear to be representative of background site conditions. Other than OCPs, three diesel-range TPH detections (at concentrations of up to 4.52 mg/kg), one trace detection of pyrene at a concentration of 0.0115 mg/kg, and the above-mentioned background-level concentrations of various metals, no analytes were detected at concentrations exceeding their respective analytical method detection limits.

OCPs, particularly 4,4'-DDE, 4,4'-DDT, dieldrin, and toxaphene were detected in the soil samples collected 2 feet bgs from SB-69 through SB-78. The following OCPs were detected at concentrations exceeding their respective screening levels:

- 4,4'-DDE was detected in one sample at a concentrations of 2,910 ug/kg (SB-71), exceeding the screening level of 2,000 ug/kg.
- 4,4'-DDT was detected in two samples at concentrations of up to 2,450 ug/kg (SB-71), exceeding the screening level of 1,900 ug/kg.
- Dieldrin was detected in seven samples at concentrations of up to 248 ug/kg (SB-78), exceeding the screening level of 34 ug/kg.
- Toxaphene was detected in all ten sample locations at concentrations of up to 7,300 ug/kg (SB-72), exceeding the screening level of 490 ug/kg.

Soil analytical data for Title 22 metals are summarized on Table 1, soil analytical data for OCPs are summarized on Table 2, and soil analytical data for all other constituents are summarized on Table 3.

4.4 Quality Assurance/Quality Control

The samples collected for this PEA investigation were submitted to Positive Lab Service of Los Angeles, California for analysis. Positive Lab Service was not capable of performing several of the requested analyses and subcontracted those analyses out to other California-licensed laboratories as follows:

- Asbestos – Forensic Analytical Laboratories, Rancho Dominguez, California
- Asbestos (aqueous [equipment blank]) – LA Testing, South Pasadena, California
- Chlorinated herbicides and OPPs – Enviro-Chem Inc., Pomona, California
- PAHs – American Environmental Testing Laboratory Inc., Burbank, California

The field data and analytical data were reviewed to attempt to ensure that the field measurements and quality control analyses were properly performed and documented. The field data sheets and chain of custodies were reviewed for completeness and accuracy.

As proposed in ATC's PEA Work Plan, a minimum of one duplicate sample and one equipment blank sample was collected each day that samples for a given analysis were conducted. In instances where more than ten samples were collected for a given analysis in a single day, one additional duplicate sample and one additional equipment blank sample were collected and analyzed for the said analysis for every ten additional samples (or fraction thereof) collected that day. The percentage difference between samples and duplicates was within acceptable ranges. All equipment blank samples were non-detect for all tested analytes, as summarized on Table 4.

Surrogate recoveries were within the acceptance criteria and all sample batches were generally within the acceptable range for matrix spike and/or matrix spike duplicate results in the laboratory. Any discrepancies were discussed and addressed by the laboratory. Proper sampling, chain-of-custody, and cooling protocols were conducted throughout the investigation.

Based on the quality assurance/quality control analysis, the results are consistent with proper field and laboratory results observed in similar field conditions.

All laboratory analytical reports, including QA/QC analysis, can be found in Appendix B.

4.5 Preliminary Screening Evaluation

ATC evaluated the potential cancer risk for chlordane, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, dieldrin, heptachlor epoxide, methoxychlor, and toxaphene. Since TPHd, TPHo, benzene hexachloride (BHC), endosulfan, endrin, and pyrene have been determined to be non-carcinogenic, the potential cancer risk for these chemicals was not evaluated. As recommended by the DTSC, the 95% upper confidence limit (UCL) of each contaminant's mean detection concentration should be used as the exposure point concentration (EPC). The potential cancer risk was determined using the following equation:

$$\frac{\text{EPC} \times 10^{-6}}{\text{RSL}} = \text{Cancer Risk}$$

Where RSL = Regional Screening Level

To calculate the 95% UCL of each contaminant's mean detection concentration, ATC utilized the EPA's ProUCL (version 5.1). In instances where the ProUCL output recommended UCL values using multiple calculation methods, ATC utilized the method that yielded the highest UCL value. Copies of the data input and 95% UCL output tables are included in Appendix C. For contaminants that were detected in less than 10% of the analyzed samples (BHC, endosulfan, heptachlor epoxide, and methoxychlor) instead of utilizing the 95% UCL as the EPC, the maximum-detected concentration was utilized.

The cancer risk was calculated for chlordane, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, dieldrin, heptachlor epoxide, methoxychlor, and toxaphene. Other than dieldrin and toxaphene, the calculated cancer risk for all compounds was below the DTSC-established risk threshold of 1×10^{-6} . The cancer risks calculated for dieldrin and toxaphene were 2.05×10^{-6} and 3.87×10^{-6} , respectively. The cumulative cancer risk, calculated by adding the risk factors of the individual chemicals together was calculated to be 8.00×10^{-6} , exceeding the established risk threshold of 1×10^{-6} . Risk calculations are shown on Table 5. It should be noted that the input concentrations utilized by ProUCL are in ug/kg for all compounds other than TPHd and TPHo (which were input as mg/kg); when calculating the Cancer Risk for each contaminant, ATC accounted for this by dividing all calculated mean and UCL values (except those for TPHd, and TPHo) by 1,000 so that all data presented in Table 5 is presented in mg/kg.

ATC did not perform risk calculations for metals since all detected concentrations appear to represent background concentrations. Additionally, ATC did not perform risk calculations for asbestos, chlorinated herbicides, OPPs, PAHs, PCBs, SVOCs, or VOCs since all analyzed samples were non-detect for these constituents (except pyrene which was detected in one sample at a concentration of 0.0115 mg/kg).

4.6 Detailed Screening Evaluation

Based on the results of the Preliminary Screening Evaluation presented in Section 4.5, ATC performed a secondary, detailed screening evaluation. For the detailed screening evaluation, ATC performed discrete risk evaluations on both the child population (students aged 5 through 13) and the adult population (teachers, maintenance workers, etc.) utilizing the same methodology presented in Section 4.5; the one exception being the use of site-specific screening levels. ATC utilized the EPA's *RSL Calculator*, available at https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search to perform the risk evaluations. The input parameters utilized by ATC are included in Appendix D. The output data for both the child and adult populations are presented in Appendices E and F, respectively. The calculated cancer risks are summarized in Table 6.

As presented in Table 6, when utilizing site-specific screening levels, the cancer risks calculated for chlordane, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, dieldrin, heptachlor epoxide, methoxychlor, and toxaphene were each below the DTSC-established risk threshold of 1×10^{-6} for both children and adults. The cumulative cancer risk, calculated by adding the risk factors of the individual chemicals together was

calculated to be 1.04×10^{-6} for children and 1.66×10^{-6} for adults, both slightly exceeding the established risk threshold of 1×10^{-6} .

5.0 CONCLUSIONS

Under direction of DTSC, shallow soil samples were collected within the Phase 2 Construction Area and submitted for laboratory analysis. A total of 64 soil borings (SB-15 through SB-78) were advanced to maximum depths of 1 foot bgs (SB-15 through SB-26) or 2.5 feet bgs (SB-27 through SB-78). Other than OCPs, the collected soil samples generally did not contain contaminants at concentrations exceeding the laboratory reporting limits, or the analytes were detected at concentrations representative of naturally-occurring background concentrations (while arsenic was detected at concentrations exceeding the RSL, the observed concentrations are indicative of naturally occurring arsenic). Based on the collected data, it is ATC's opinion that the potential historical use of lead-based paint, arsenic-containing pesticides, or the importation of contaminated fill (other than that fill potentially contaminated during historical agricultural activities) do not appear to pose a risk at the site.

OCPs were detected across the site in soil samples collected at 0.5 feet and 2 feet bgs, with chlordane, 4,4'-DDE, 4,4'-DDT, dieldrin, and toxaphene detected in one or more samples at concentrations exceeding their respective RSLs. Utilizing the DTSC-recommended approach of calculating the 95% UCL of the mean concentration of each detected contaminant, ATC calculated the cancer risk for each detected contaminant within the Phase 2 Construction Area. The calculated cancer risks for dieldrin and toxaphene were 2.05×10^{-6} and 3.87×10^{-6} , respectively, while the cumulative cancer risk was calculated to be 8.00×10^{-6} , exceeding the established risk threshold of 1×10^{-6} .

Based on the initial cancer risk calculations, ATC generated site-specific screening levels utilizing the EPA's *RSL Calculator* to calculate the cancer risk for both children (students) and adults (teachers, maintenance staff, etc.) at the site. Utilizing site-specific data, the calculated cancer risks for each detected contaminant was below the DTSC-established risk threshold of 1×10^{-6} ; the cumulative cancer risk for all detected contaminants was calculated to be 1.04×10^{-6} for children and 1.66×10^{-6} for adults, both of which slightly exceed the established risk threshold of 1×10^{-6} .

It should be noted that based on the chemical characteristics of the detected OCPs, that the detected concentrations do not pose a current risk to on-site students or employees. Rather, the potential exposure route would be ingestion of contaminated soil exposed during site construction activities.

6.0 RECOMMENDATIONS

Given the primary exposure pathway would be through the ingestion or inhalation of soil to which the contaminants had adsorbed (as opposed to inhalation of volatilized chemicals), ATC recommends dust suppression and mitigation measures as the appropriate approach to address soil contamination during construction activities at the site. In lieu of preparing a Removal Action Workplan (RAW), something that would be warranted based on the initial cancer risk calculations, the risk calculations utilizing site-specific screening levels suggest a LUCA limiting the site's future use to non-residential purposes, along with preparation of an SMP, for the site as an appropriate alternative. Accordingly, ATC recommends a LUCA be recorded and an SMP be generated for the site prior to commencing with construction activities in the Phase 2 Construction Area.

7.0 PUBLIC PARTICIPATION PROCESS

The OSD has elected to make this PEA available for public review and comment pending DTSC concurrence regarding the adequacy of the document, as allowed in California Education Code § 17213.1, subd. (a)(6)(B).

The OSD will make this document available to the public within 30 days of DTSC concurrence. The OSD will publish a notice of the availability of the PEA for public review in a local newspaper. Additionally, the

OSD will hold a public hearing on the PEA during the 30-day public comment period. All public comments pertaining to the PEA will be forwarded to the DTSC once received.

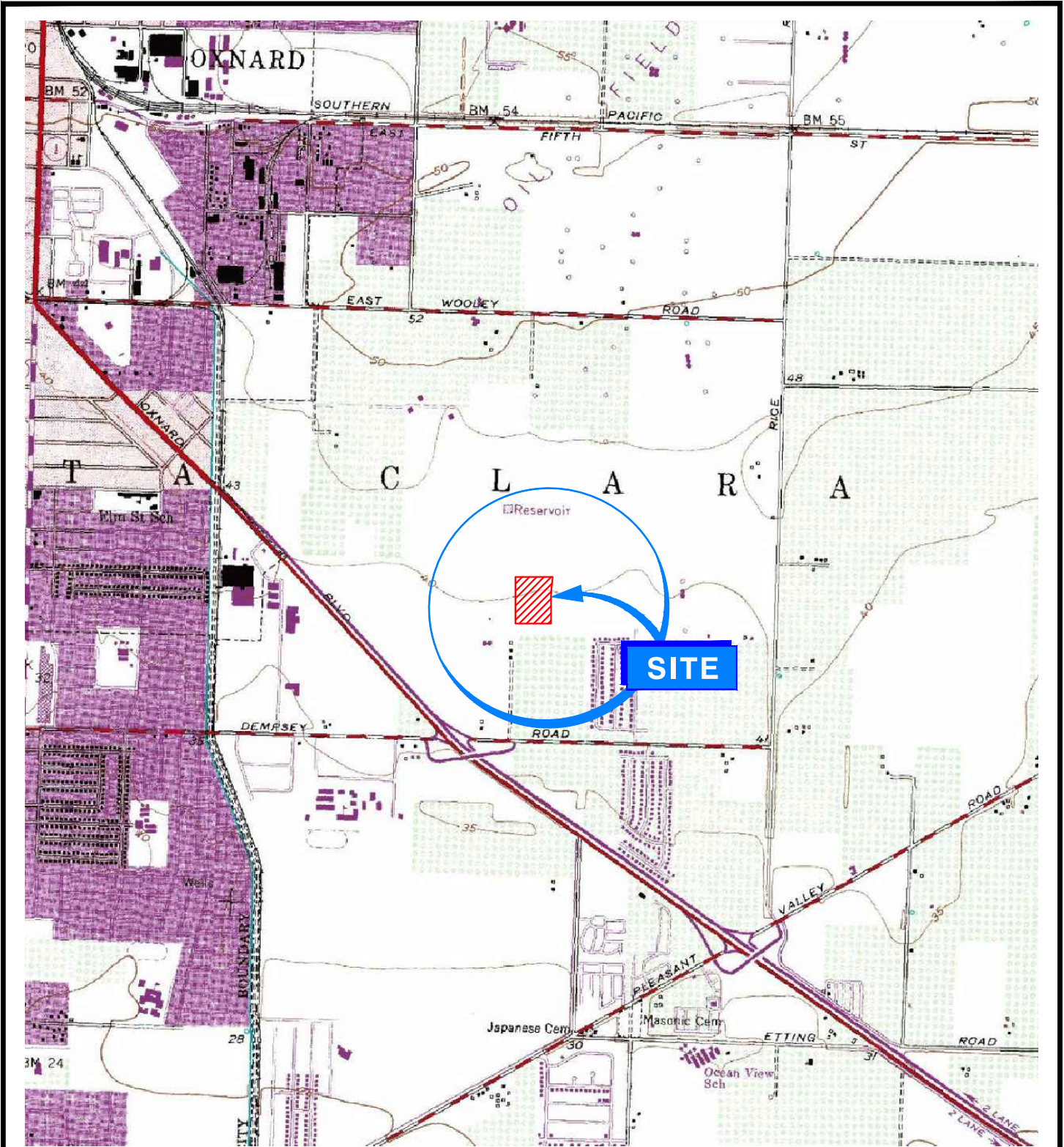
8.0 LIMITATIONS

The conclusions presented in this document are based on ATC's observations of existing site conditions, interpretation of site history, site usage information collected during the study, and the professional judgment of ATC. Conclusions should not be relied upon to precisely represent conditions at any other time. Facts, conditions, and acceptable risk factors may change with time and this report should be utilized within this context. Findings based on the usage of data provided by others carry no warranty, expressed or implied. Conclusions about the site conditions under no circumstances comprise a warranty that conditions in all areas within the site (and beneath structures) are of the same quality that ATC has inferred from observable site conditions and readily available site history. ATC makes no warranty, either expressed or implied, as to its findings, opinions, recommendations, specifications, or professional advice, except that they were formulated after being prepared in accordance with generally accepted standards of care and diligence normally practiced by recognized consulting firms performing services of similar nature.

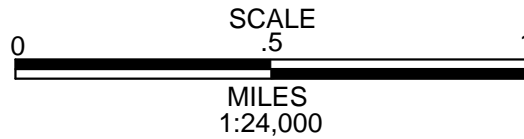
9.0 REFERENCES

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- Environmental Protection Agency, Region 9, May 2016, Regional Screening Level Summary Table.

FIGURES



OXNARD, CALIFORNIA QUADRANGLE (PROVISIONAL EDITION 1967)



SITE VICINITY MAP
LEMONWOOD SCHOOL
 2200 CARNEGIE COURT
 OXNARD, CALIFORNIA

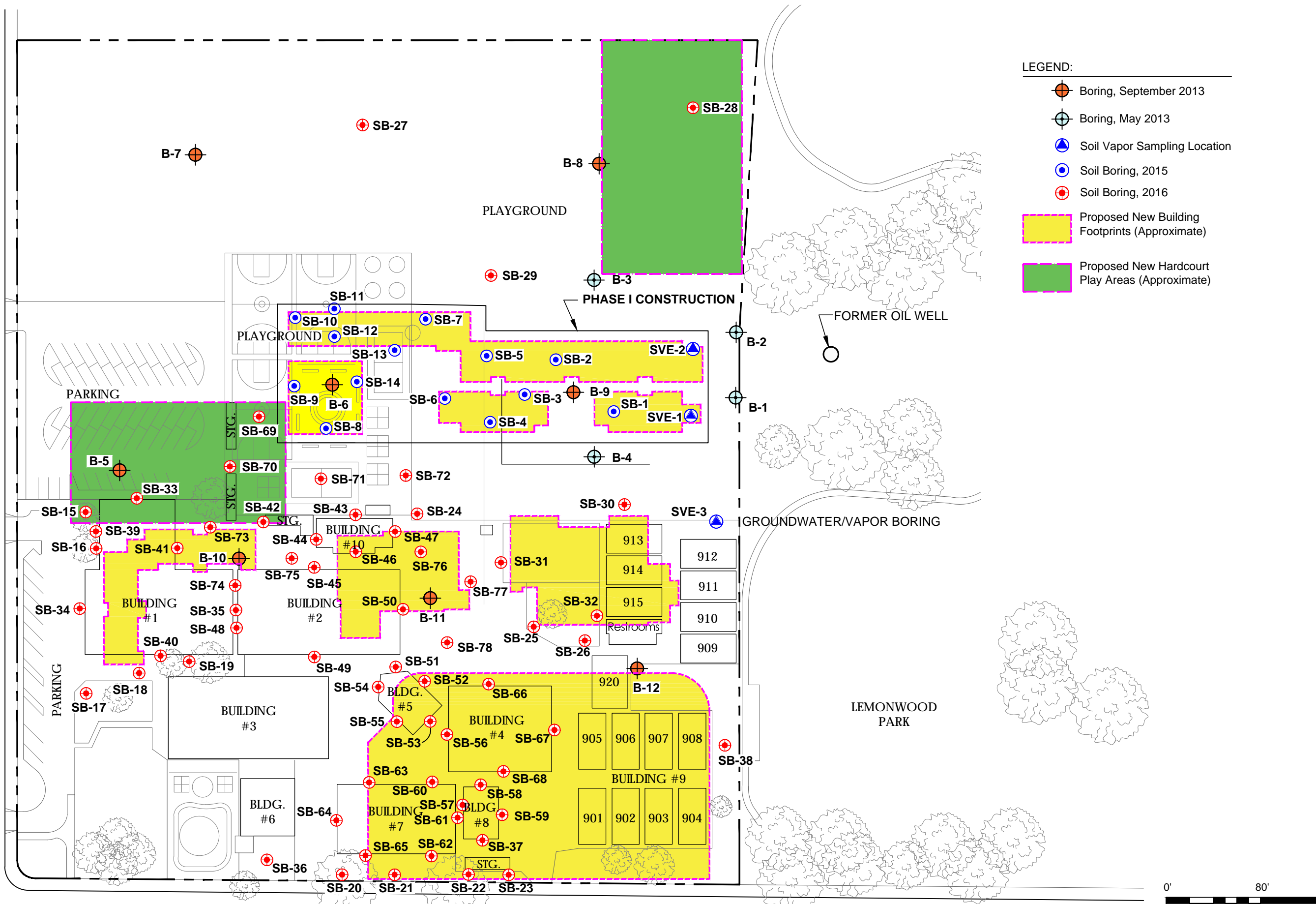
PROJECT NUMBER: Z052000044	PHASE: 1	FIGURE
REVIEW BY: G. BUCHANAN	DRAWN BY: DAW	1

ATC 25 Cupania Circle
 Monterey Park, CA 91755
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 BUILDING SCIENCES • MATERIALS TESTING Ph: (323) 517-9780 *** Fax: (323) 517-9781

CARNEGIE COURT

SAN MATEO PLACE

- LEGEND:
- Boring, September 2013
 - Boring, May 2013
 - Soil Vapor Sampling Location
 - Soil Boring, 2015
 - Soil Boring, 2016
 - Proposed New Building Footprints (Approximate)
 - Proposed New Hardcourt Play Areas (Approximate)



SITE PLAN WITH ASSESSMENT LOCATIONS
LEMONWOOD SCHOOL
 2200 CARNEGIE COURT
 OXNARD, CALIFORNIA

PROJECT NUMBER: 1011600537
 REVIEW BY: B. CHEVLEN
 PHASE: 1
 DRAWN BY: DAW
 FIGURE 2

ATC
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TABLES

Table 1
Laboratory Summary - Soil Analytical Data: Metals

Lemonwood Elementary School
2200 Carnegie Court
Oxnard, California

Sample Location	Sample Depth (feet)	Date Sampled	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	Mercury (mg/kg)	
Regional Screening Levels: Residential Land Use (TR of 1x10-6 and THQ of 1.0) - May 2016																				
			31	12 ^a	15000	160	71	120000	23	3100	400 ^b	390	1500	390	390	0.78	390	23000	9.4	
DTSC Screening Levels: Residential Land Use (lowest-listed concentration shown)																				
			--	0.067 ^c	--	15	5.2	--	--	--	80 ^b	--	--	--	390	--	390	--	1.0	
B-1	0.0	5/3/2013	<5.0	<1.0	410	<0.2	<0.5	7.6	3.1	10	6.7	<5.0	7.6	<1.0	<1.0	<5.0	15	37	<0.1	
	1.5	5/3/2013	<5.0	<1.0	140	<0.2	<0.5	6.3	3.0	8.3	3.4	<5.0	6.9	<1.0	<1.0	<5.0	14	24	<0.1	
B-2	0.0	5/3/2013	<5.0	<1.0	330	<0.2	<0.5	7.1	3.1	9.2	6.1	<5.0	7.3	<1.0	<1.0	<5.0	15	49	<0.1	
	1.5	5/3/2013	<5.0	<1.0	1200	<0.2	<0.5	8.6	2.8	10	4.3	<5.0	7.4	<1.0	<1.0	<5.0	16	27	<0.1	
B-3	0.0	5/3/2013	<5.0	<1.0	62	<0.2	<0.5	8.2	3.9	19	8.8	<5.0	8.9	<1.0	<1.0	<5.0	17	50	<0.1	
	1.5	5/3/2013	<5.0	<1.0	84	<0.2	<0.5	9.9	5.2	11	4.5	2.1	11	<1.0	<1.0	<5.0	24	32	<0.1	
B-4	0.0	5/3/2013	<5.0	<1.0	58	<0.2	<0.5	7	3.6	13	6.8	<5.0	7.9	<1.0	<1.0	<5.0	16	35	<0.1	
	1.5	5/3/2013	<5.0	<1.0	82	<0.2	<0.5	9.6	4.9	9.3	3.9	<5.0	11	<1.0	<1.0	<5.0	22	30	<0.1	
B-5	0.5	9/28/2013	<1.0	2.7	32.6	<0.50	<0.50	4.2	4.4	5.7	6.7	<0.50	8.2	<1.0	<1.0	<1.0	26.8	31.4	<0.020	
	2	9/28/2013	<1.0	2.1	29.6	<0.50	<0.50	2.8	3.2	4.1	6.0	<0.50	26.2	<1.0	<1.0	<1.0	26.2	23.5	<0.020	
B-7	0.5	9/28/2013	<1.0	4.1	41.2	<0.50	<0.50	7.3	6.2	10.7	10.6	<0.50	13.0	<1.0	<1.0	<1.0	40.3	44.2	<0.020	
	2	9/28/2013	<1.0	3.6	30.4	<0.50	<0.50	9.6	7.6	11.3	8.2	<0.50	17.6	<1.0	<1.0	<1.0	28.7	34.8	<0.020	
	2 (DUP)	9/28/2013	<1.0	3.1	35.6	<0.50	<0.50	9.6	8.2	11.0	8.4	<0.050	17.4	<1.0	<1.0	<1.0	31.4	33.4	<0.020	
	5	9/28/2013	--	4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-10	0.5	9/28/2013	<1.0	3.8	40.2	<0.50	<0.50	6.9	6.8	17.6	9.8	<0.50	14.4	<1.0	<1.0	<1.0	35.8	43.6	<0.020	
	2	9/28/2013	<1.0	3.7	39.8	<0.50	<0.50	8.2	7.8	11.2	8.3	<0.50	15.4	<1.0	<1.0	<1.0	38.2	40.6	<0.020	
B-11	0.5	9/28/2013	<1.0	3.1	41.6	<0.50	<0.50	6.5	9.6	12.2	9.9	<0.50	13.6	<1.0	<1.0	<1.0	28.7	37.6	<0.020	
	2	9/28/2013	<1.0	2.1	28.6	<0.50	<0.50	7.1	7.2	9.2	9.8	<0.50	15.6	<1.0	<1.0	<1.0	26.4	27.6	<0.020	
B-12	0.5	9/28/2013	<1.0	1.9	27.5	<0.50	<0.50	6.1	4.8	8.9	7.9	<0.50	11.8	<1.0	<1.0	<1.0	25.3	26.7	<0.020	
	2	9/28/2013	<1.0	1.6	22.6	<0.50	<0.50	5.2	5.0	8.2	8.6	<0.50	12.0	<1.0	<1.0	<1.0	20.9	22.8	<0.020	
	5	9/28/2013	--	2.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-15	0.5	5/23/2016	--	--	--	--	--	--	--	--	5.61	--	--	--	--	--	--	--	--	--
SB-16	0.5	5/23/2016	--	--	--	--	--	--	--	--	7.88	--	--	--	--	--	--	--	--	--
SB-17	0.5	5/23/2016	--	--	--	--	--	--	--	--	10.1	--	--	--	--	--	--	--	--	--
	0.5 (DUP)	5/23/2016	--	--	--	--	--	--	--	--	8.50	--	--	--	--	--	--	--	--	--

**Table 1
Laboratory Summary - Soil Analytical Data: Metals**

Lemonwood Elementary School
2200 Carnegie Court
Oxnard, California

Sample Location	Sample Depth (feet)	Date Sampled	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	Mercury (mg/kg)
Regional Screening Levels: Residential Land Use (TR of 1x10-6 and THQ of 1.0) - May 2016																			
			31	12 ^a	15000	160	71	120000	23	3100	400 ^b	390	1500	390	390	0.78	390	23000	9.4
DTSC Screening Levels: Residential Land Use (lowest-listed concentration shown)																			
			--	0.067 ^c	--	15	5.2	--	--	--	80 ^b	--	--	--	390	--	390	--	1.0
SB-18	0.5	5/23/2016	--	--	--	--	--	--	--	--	7.48	--	--	--	--	--	--	--	--
SB-19	0.5	5/23/2016	--	--	--	--	--	--	--	--	8.23	--	--	--	--	--	--	--	--
SB-20	0.5	5/23/2016	--	--	--	--	--	--	--	--	8.52	--	--	--	--	--	--	--	--
SB-21	0.5	5/23/2016	--	--	--	--	--	--	--	--	6.23	--	--	--	--	--	--	--	--
SB-22	0.5	5/23/2016	--	--	--	--	--	--	--	--	10.1	--	--	--	--	--	--	--	--
SB-23	0.5	5/23/2016	--	--	--	--	--	--	--	--	5.26	--	--	--	--	--	--	--	--
SB-24	0.5	5/23/2016	--	--	--	--	--	--	--	--	13.5	--	--	--	--	--	--	--	--
SB-25	0.5	5/23/2016	--	--	--	--	--	--	--	--	5.84	--	--	--	--	--	--	--	--
	0.5 (DUP)	5/23/2016	--	--	--	--	--	--	--	--	7.23	--	--	--	--	--	--	--	--
SB-26	0.5	5/23/2016	--	--	--	--	--	--	--	--	5.12	--	--	--	--	--	--	--	--
SB-27	2	5/23/2016	--	3.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-28	0.5	5/23/2016	--	3.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-31	2	5/23/2016	--	3.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-32	0.5	5/23/2016	--	2.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-33	0.5	5/23/2016	--	3.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-35	2	5/23/2016	--	3.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-36	0.5	5/23/2016	--	3.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-37	2	5/23/2016	--	2.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2 (DUP)	5/23/2016	--	1.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-69	2	5/24/2016	<2.50	3.38	81.9	<1.00	1.34	14.7	6.05	12.8	5.74	<1.00	14.3	<2.00	<1.00	<1.00	27.2	41.4	<0.100
SB-70	2	5/24/2016	<2.50	3.34	86.5	<1.00	1.29	15.1	6.48	13.3	5.33	1.02	15.6	<2.00	<1.00	<1.00	28.7	43.6	<0.100
	2 (DUP)	5/24/2016	<2.50	3.25	91.0	<1.00	1.36	16.0	6.69	15.6	6.53	<1.00	16.2	<2.00	<1.00	<1.00	30.5	48.2	<0.100

Table 1
Laboratory Summary - Soil Analytical Data: Metals

Lemonwood Elementary School
2200 Carnegie Court
Oxnard, California

Sample Location	Sample Depth (feet)	Date Sampled	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	Mercury (mg/kg)
Regional Screening Levels: Residential Land Use (TR of 1x10⁻⁶ and THQ of 1.0) - May 2016																			
			31	12 ^a	15000	160	71	120000	23	3100	400 ^b	390	1500	390	390	0.78	390	23000	9.4
DTSC Screening Levels: Residential Land Use (lowest-listed concentration shown)																			
			--	0.067 ^c	--	15	5.2	--	--	--	80 ^b	--	--	--	390	--	390	--	1.0
SB-71	2	5/24/2016	<2.50	3.22	85.9	<1.00	1.33	15.7	5.92	14.6	6.59	<1.00	14.3	<2.00	<1.00	<1.00	28.3	46.2	<0.100
SB-72	2	5/24/2016	<2.50	3.29	86.5	<1.00	1.44	15.8	5.97	14.9	7.60	<1.00	14.4	<2.00	<1.00	<1.00	28.0	59.7	<0.100
SB-73	2	5/24/2016	<2.50	2.97	78.5	<1.00	1.12	14.5	5.55	12.0	5.68	<1.00	13.4	<2.00	<1.00	<1.00	27.1	57.5	<0.100
SB-74	2	5/24/2016	<2.50	2.87	89.1	<1.00	<1.00	11.9	4.77	12.5	13.1	<1.00	11.4	<2.00	<1.00	<1.00	22.4	50.8	<0.100
SB-75	2	5/24/2016	<2.50	3.32	79.8	<1.00	1.33	15.9	5.90	13.2	6.81	<1.00	14.6	<2.00	<1.00	<1.00	26.9	47.4	<0.100
SB-76	2	5/24/2016	<2.50	3.57	86.8	<1.00	1.41	15.5	5.71	14.2	10.3	1.36	14.0	<2.00	<1.00	<1.00	27.0	55.3	<0.100
SB-77	2	5/24/2016	<2.50	3.06	78.0	<1.00	1.27	14.5	5.88	14.0	7.50	<1.00	13.9	<2.00	<1.00	<1.00	27.2	47.0	<0.100
SB-78	2	5/24/2016	<2.50	3.35	81.7	<1.00	1.30	15.1	6.01	13.2	6.50	<1.00	14.1	<2.00	<1.00	<1.00	28.1	48.9	<0.100

Explanations:

mg/kg = Milligrams per kilogram

TR = Target cancer risk

THQ = Total hazard quotient

DTSC Screening levels referenced from Human Health Risk Assessment Note 3 (March 2016), Table A-1.

a = The Regional Screening Level for arsenic is 0.68 mg/kg; the consensus background for arsenic in the Southern California region is 12 mg/kg.

b = The Regional Screening Level for lead is 400 mg/kg; the DTSC's lead screening level for unrestricted land use is 80 mg/kg.

c = The DTSC Screening Level is for inorganic arsenic; arsenic at the site is believed to be naturally occurring.

-- = No established value

< = Not detected at concentration exceeding stated laboratory reporting limit

All samples analyzed utilizing EPA Method 6010B, except for mercury, which was analyzed by EPA Method 7471A

Data for samples collected on 5/3/2013 originally presented in Earth Systems Pacific's 5/8/2013 *Results of Initial Subsurface Assessment* report.

Data for samples collected on 9/28/2013 originally presented in Earth Systems Pacific's 11/11/2013 *Results of Soil Analysis and Initial Screening*

**Table 2
Laboratory Summary - Soil Analytical Data: OCPs**

Lemonwood Elementary School
2200 Carnegie Court
Oxnard, California

Sample ID	Sample Location(s)	Sample Depth (feet)	Date Sampled	BHC (ug/kg)	Chlordane (ug/kg)	4,4'-DDD (ug/kg)	4,4'-DDE (ug/kg)	4,4'-DDT (ug/kg)	Dieldrin (ug/kg)	Endosulfan (ug/kg)	Endosulfan Sulfate (ug/kg)	Endrin (ug/kg)	Endrin Aldehyde (ug/kg)	Heptachlor Epoxide (ug/kg)	Methoxychlor (ug/kg)	Toxaphene* (ug/kg)
Regional Screening Levels: Residential Land Use (TR of 1x10⁻⁶ and THQ of 1.0) - May 2016																
				300	1,700	2,300	2,000	1,900	34	470,000	--	19,000	--	70	320,000	490
DTSC Screening Levels: Residential Land Use (lowest-listed concentration shown)																
				--	430	--	--	--	--	--	--	--	--	--	--	--
B-1/0-6"	B-1	0.0	5/3/2013	0.42 J	7.7	110	630	403	<0.7	<1.2	19	7.6	<0.7	1.2 J	<0.5	<6.7
B-1/18-24"	B-1	1.5	5/3/2013	<0.53	0.8	7.1	82	32	<0.7	6.8	<0.77	<0.73	1.0	<2.2	<0.5	<6.7
B-2/0-6"	B-2	0.0	5/3/2013	<0.53	2.9	29	207	146	<0.7	7.3	<0.77	<0.73	<0.73	<2.2	<0.5	<6.7
B-2/18-24"	B-2	1.5	5/3/2013	<0.53	<0.02	7.7	52	43	<0.7	<1.2	<0.77	<0.73	1.1	<2.2	97	<6.7
B-3/0-6"	B-3	0.0	5/3/2013	0.13 J	<0.02	111	591	541	<0.7	<1.2	<0.77	<0.73	<0.7	<2.2	<0.5	<6.7
B-3/18-24"	B-3	1.5	5/3/2013	<0.53	<0.02	1.5	21	4.1	<0.7	6.8	6.8	0.26	<0.7	<2.2	<0.5	<6.7
B-4/0-6"	B-4	0.0	5/3/2013	<0.53	<0.02	17	221	78	<0.7	<1.2	<0.77	<0.73	<0.7	<2.2	<0.5	<6.7
B-4/18-24"	B-4	1.5	5/3/2013	<0.53	<0.02	<0.7	3.2	0.6 J	<0.7	<1.2	<0.77	<0.73	<0.7	<2.2	<0.5	<6.7
B-5/6-12"	B-5	0.5	9/28/2013	<1	<10	<2	<2	<2	<2	<1	<2	<2	<2	<1	<10	<20
B-5/2-2.5'	B-5	2	9/28/2013	<1	<10	<2	<2	<2	<2	<1	<2	<2	<2	<1	<10	<20
B-7/6-12"	B-7	0.5	9/28/2013	<1	<10	220	620	<2	<2	<1	<2	<2	<2	<1	<10	<20
B-7/2-3'	B-7	2	9/28/2013	<1	<10	<2	20	<2	<2	<1	<2	<2	<2	<1	<10	<20
B-7/2-3'D	B-7	2	9/28/2013	<1	<10	<2	24	<2	<2	<1	<2	<2	<2	<1	<10	<20
B-10/6-12"	B-10	0.5	9/28/2013	<1	<10	220	430	<2	150	<1	<2	<2	<2	<1	<10	<20
B-10/2-2.5'	B-10	2	9/28/2013	<1	<10	170	700	<2	310	<1	<2	<2	<2	<1	<10	<20
B-11/6-12"	B-11	0.5	9/28/2013	<1	<10	85	550	<2	150	<1	<2	<2	<2	<1	<10	<20
B-11/2-2.5'	B-11	2	9/28/2013	<1	<10	<2	<2	<2	<2	<1	<2	<2	<2	<1	<10	<20
B-12/6-12"	B-12	0.5	9/28/2013	<1	<10	<2	<2	<2	<2	<1	<2	<2	<2	<1	<10	<20
B-12/2-2.5'	B-12	2	9/28/2013	<1	<10	<2	<2	<2	<2	<1	<2	<2	<2	<1	<10	<20
COMP 1	SB-27, SB-28, SB-29	0.5	5/23/2016	<2.00	18.74	289	1210	348	48.5	<2.00	<2.00	127	<2.00	<2.00	<10.0	1820
		2	5/23/2016	<2.00	<2.00	6.77	54.8	40.0	2.48	<2.00	<2.00	7.04	<2.00	<2.00	<10.0	166
COMP 2	SB-30, SB-31, SB-32	0.5	5/23/2016	<2.00	<2.00	99.1	469	224	8.78	<2.00	<2.00	75.1	<2.00	<2.00	<10.0	1300
		2	5/23/2016	<2.00	2.46	44.3	169	27.8	17.4	<2.00	<2.00	3.56	<2.00	<2.00	<10.0	290
COMP 3	SB-33, SB-34, SB-35	0.5	5/23/2016	<2.00	32.7	830	2330	1260	43.2	<2.00	<2.00	246	<2.00	<2.00	<10.0	3790
		2	5/23/2016	<2.00	27.9	772	1980	1170	29.6	<2.00	<2.00	229	<2.00	<2.00	<10.0	3750
COMP 4	SB-36, SB-37, SB-38	0.5	5/23/2016	<2.00	18.85	386	1600	510	60.1	<2.00	<2.00	107	<2.00	<2.00	<10.0	1580
		0.5 (DUP)	5/23/2016	<2.00	24.1	497	2050	803	65.0	<2.00	<2.00	142	<2.00	<2.00	<10.0	1860
		2	5/23/2016	<2.00	<2.00	3.23	9.32	4.19	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<10.0	46.0
COMP 5	SB-39, SB-40, SB-41	0.5	5/24/2016	<2.00	25.3	506	1780	1120	66.5	<2.00	<2.00	223	<2.00	<2.00	<10.0	2510
		2	5/24/2016	<2.00	24.5	415	1650	568	67.6	<2.00	<2.00	84.7	<2.00	<2.00	<10.0	1540

**Table 2
Laboratory Summary - Soil Analytical Data: OCPs**

Lemonwood Elementary School
2200 Carnegie Court
Oxnard, California

Sample ID	Sample Location(s)	Sample Depth (feet)	Date Sampled	BHC (ug/kg)	Chlordane (ug/kg)	4,4'-DDD (ug/kg)	4,4'-DDE (ug/kg)	4,4'-DDT (ug/kg)	Dieldrin (ug/kg)	Endosulfan (ug/kg)	Endosulfan Sulfate (ug/kg)	Endrin (ug/kg)	Endrin Aldehyde (ug/kg)	Heptachlor Epoxide (ug/kg)	Methoxychlor (ug/kg)	Toxaphene* (ug/kg)
Regional Screening Levels: Residential Land Use (TR of 1x10⁻⁶ and THQ of 1.0) - May 2016																
				300	1,700	2,300	2,000	1,900	34	470,000	--	19,000	--	70	320,000	490
DTSC Screening Levels: Residential Land Use (lowest-listed concentration shown)																
				--	430	--	--	--	--	--	--	--	--	--	--	--
COMP 6	SB-42, SB-43, SB-44	0.5	5/24/2016	<2.00	16.77	98.9	1170	1200	17.9	<4.00	<2.00	240	<2.00	<2.00	<10	2020
		2	5/24/2016	<2.00	36.0	401	2100	1820	67.1	<4.00	<2.00	356	<2.00	<2.00	<10	3040
		2 (DUP)	5/24/2016	<2.00	38.2	404	2110	1810	78.1	<4.00	<2.00	366	<2.00	<2.00	<10	3120
COMP 7	SB-45, SB-46, SB-47	0.5	5/24/2016	<2.00	24.9	411	1570	1070	58.3	<4.00	<2.00	132	<2.00	<2.00	<10	1950
		2	5/24/2016	<2.00	49.3	1100	1940	477	366	<4.00	<2.00	48.5	<2.00	<2.00	<10	3120
COMP 8	SB-48, SB-49, SB-50	0.5	5/24/2016	<2.00	34.3	359	1390	703	42.1	<4.00	<2.00	147	<2.00	<2.00	<10	2610
		2	5/24/2016	<2.00	21.03	585	1260	259	79.6	<4.00	<2.00	82.5	<2.00	<2.00	<10	1710
COMP 9	SB-51, SB-52, SB-53	0.5	5/25/2016	<8.00	247	131	845	862	34.3	<8.00	<8.00	155	<8.00	<8.00	<40.0	2580
		2	5/25/2016	<8.00	23.2	500	1520	2290	82.0	<8.00	<8.00	418	<8.00	<8.00	<40.0	3940
COMP 10	SB-54, SB-55, SB-56	0.5	5/25/2016	<8.00	47.0	82.9	649	559	16.7	<8.00	<8.00	109	<8.00	<8.00	<40.0	1300
		2	5/25/2016	<8.00	34.1	163	1390	1500	46.0	<8.00	<8.00	324	<8.00	<8.00	<40.0	3080
COMP 11	SB-57, SB-58, SB-59	0.5	5/25/2016	<8.00	<8.00	93.4	844	811	9.19	<8.00	<8.00	189	<8.00	<8.00	<40.0	1880
		0.5 (DUP)	5/25/2016	<8.00	10.5	91.2	794	723	24.3	<8.00	<8.00	169	<8.00	<8.00	<40.0	1710
		2	5/25/2016	<8.00	<8.00	<8.00	74.1	31.1	<8.00	<8.00	9.47	<8.00	<8.00	<40.0	175	
COMP 12	SB-60, SB-61, SB-62	0.5	5/25/2016	<8.00	23.86	209	1550	1920	55.5	<8.00	<8.00	443	<8.00	<8.00	<40.0	3880
		2	5/25/2016	<8.00	<8.00	12.7	61.6	49.9	<8.00	<8.00	16.2	<8.00	<8.00	<40.0	257	
		2 (DUP)	5/25/2016	<8.00	<8.00	8.58	43.6	27.5	<8.00	<8.00	10.1	<8.00	<8.00	<40.0	200	
COMP 13	SB-63, SB-64, SB-65	0.5	5/25/2016	<8.00	9.57	125	1020	1330	39.0	<8.00	<8.00	265	<8.00	<8.00	<40.0	2730
		2	5/25/2016	<8.00	<8.00	11.5	51.2	52.1	<8.00	<8.00	14.0	<8.00	<8.00	<40.0	188	
COMP 14	SB-66, SB-67, SB-68	0.5	5/25/2016	<8.00	38.4	63.5	272	177	13.9	<8.00	<8.00	49.6	<8.00	<8.00	<40.0	813
		2	5/25/2016	<8.00	<8.00	56.3	115	28.4	9.64	<8.00	<8.00	<8.00	<8.00	<8.00	<40.0	321
SB-27	SB-27	0.5	5/23/2016	<40.0	<40.0	185	1080	776	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<200	2880
SB-28	SB-28	0.5	5/23/2016	<8.00	<8.00	<8.00	76.9	50.9	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<40.0	218
SB-29	SB-29	0.5	5/23/2016	<40.0	<40.0	262	952	1130	<40.0	<40.0	<40.0	186	<40.0	<40.0	<200	3200
SB-30	SB-30	0.5	5/23/2016	<8.00	<8.00	<8.00	<16.0	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<40.0	<120
SB-31	SB-31	0.5	5/23/2016	<40.0	<40.0	123	769	680	<40.0	<40.0	<40.0	187	<40.0	<40.0	<200	2800
SB-32	SB-32	0.5	5/23/2016	<8.00	<8.00	<8.00	46.6	24.2	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<40.0	135
SB-33	SB-33	0.5	5/23/2016	<80.0	<80.0	321	1460	2200	<80.0	<80.0	<80.0	452	<80.0	<80.0	<400	4250
		2	5/23/2016	<80.0	<80.0	279	1180	1550	<80.0	<80.0	<80.0	329	<80.0	<80.0	<400	3500

**Table 2
Laboratory Summary - Soil Analytical Data: OCPs**

Lemonwood Elementary School
2200 Carnegie Court
Oxnard, California

Sample ID	Sample Location(s)	Sample Depth (feet)	Date Sampled	BHC (ug/kg)	Chlordane (ug/kg)	4,4'-DDD (ug/kg)	4,4'-DDE (ug/kg)	4,4'-DDT (ug/kg)	Dieldrin (ug/kg)	Endosulfan (ug/kg)	Endosulfan Sulfate (ug/kg)	Endrin (ug/kg)	Endrin Aldehyde (ug/kg)	Heptachlor Epoxide (ug/kg)	Methoxychlor (ug/kg)	Toxaphene* (ug/kg)
Regional Screening Levels: Residential Land Use (TR of 1x10⁻⁶ and THQ of 1.0) - May 2016																
				300	1,700	2,300	2,000	1,900	34	470,000	--	19,000	--	70	320,000	490
DTSC Screening Levels: Residential Land Use (lowest-listed concentration shown)																
				--	430	--	--	--	--	--	--	--	--	--	--	--
SB-34	SB-34	0.5	5/23/2016	<80.0	<80.0	431	1700	2780	85.4	<80.0	<80.0	536	<80.0	<80.0	<400	5200
		2	5/23/2016	<80.0	<80.0	288	1430	1830	<80.0	<80.0	<80.0	402	<80.0	<80.0	<400	4640
SB-35	SB-35	0.5	5/23/2016	<40.0	<40.0	117	451	695	<40.0	<40.0	<40.0	131	<40.0	<40.0	<200	3220
		2	5/23/2016	<80.0	<80.0	352	1000	2440	<80.0	<80.0	<80.0	370	<80.0	<80.0	<400	5020
SB-36	SB-36	0.5	5/23/2016	<8.00	8.90	273	729	505	83.9	<8.00	<8.00	70.1	<8.00	<8.00	<40.0	1900
SB-37	SB-37	0.5	5/23/2016	<80.0	<80.0	246	1380	1240	81.4	<80.0	<80.0	272	<80.0	<80.0	<400	2980
SB-38	SB-38	0.5	5/23/2016	<8.00	<8.00	22.0	404	232	<8.00	<8.00	<8.00	28.0	<8.00	<8.00	<40.0	347
SB-39	SB-39	0.5	5/24/2016	<2.00	30.5	107	1440	1670	13.8	<2.00	<2.00	252	<2.00	<2.00	<10.0	3100
		2	5/24/2016	<8.00	<8.00	10.3	63.4	84.6	<8.00	<8.00	<8.00	20.5	<8.00	<8.00	<40.0	290
SB-40	SB-40	0.5	5/24/2016	<8.00	19.24	56.3	1100	1010	13.8	<8.00	<8.00	280	<8.00	<8.00	<40.0	2480
		2	5/24/2016	<8.00	22.17	96.6	1260	1220	18.8	<8.00	<8.00	287	<8.00	<8.00	<40.0	2910
SB-41	SB-41	0.5	5/24/2016	<8.00	29.8	594	984	113	87.1	<8.00	<8.00	20.1	<8.00	<8.00	<40.0	1250
		2	5/24/2016	<8.00	<8.00	50.0	520	500	9.49	<8.00	<8.00	143	<8.00	<8.00	<40.0	1690
SB-42	SB-42	0.5	5/24/2016	<8.00	22.9	101	1000	554	17.1	<8.00	<8.00	170	<8.00	<8.00	<40.0	1820
		2	5/24/2016	<8.00	9.68	65.0	843	584	34.7	<8.00	<8.00	179	<8.00	<8.00	<40.0	1950
SB-43	SB-43	0.5	5/24/2016	<8.00	17.07	118	1290	961	29.1	<8.00	<8.00	197	<8.00	<8.00	<40.0	2100
		2	5/24/2016	<8.00	32.4	592	2660	2540	71.8	<8.00	<8.00	585	<8.00	<8.00	<40.0	5260
SB-44	SB-44	0.5	5/24/2016	<8.00	37.4	566	1320	86.5	212	<8.00	<8.00	37.3	<8.00	<8.00	<40.0	1330
		2	5/24/2016	<8.00	28.1	194	1040	608	106	<8.00	<8.00	140	<8.00	<8.00	<40.0	2610
SB-45	SB-45	0.5	5/24/2016	<8.00	23.2	241	911	778	74.3	<8.00	<8.00	125	<8.00	<8.00	<40.0	2440
		2	5/24/2016	<8.00	39.8	963	1330	428	190	<8.00	<8.00	82.2	<8.00	<8.00	<40.0	3450
SB-46	SB-46	0.5	5/24/2016	<8.00	25.2	95.9	809	470	40.7	<8.00	<8.00	145	<8.00	<8.00	<40.0	1750
		2	5/24/2016	<8.00	44.0	834	1280	282	228	<8.00	<8.00	45.6	<8.00	<8.00	<40.0	3790
SB-47	SB-47	0.5	5/24/2016	<8.00	33.7	346	1360	583	73.9	<8.00	<8.00	131	<8.00	<8.00	<40.0	2320
		2	5/24/2016	<8.00	48.6	497	1220	258	147	<8.00	<8.00	47.6	<8.00	<8.00	<40.0	2410
SB-48	SB-48	0.5	5/24/2016	<8.00	31.2	122	1370	1440	19.4	<8.00	<8.00	282	<8.00	<8.00	<40.0	2990
		2	5/24/2016	<8.00	28.42	147	1430	1320	18.1	<8.00	<8.00	305	<8.00	<8.00	<40.0	3000
SB-49	SB-49	0.5	5/24/2016	<20.0	<20.0	330	849	378	76.7	<20.0	<20.0	94.2	<20.0	<20.0	<100	2220
		2	5/24/2016	<20.0	<20.0	717	807	58.0	112	<20.0	<20.0	<20.0	<20.0	<20.0	<100	<300

**Table 2
Laboratory Summary - Soil Analytical Data: OCPs**

Lemonwood Elementary School
2200 Carnegie Court
Oxnard, California

Sample ID	Sample Location(s)	Sample Depth (feet)	Date Sampled	BHC (ug/kg)	Chlordane (ug/kg)	4,4'-DDD (ug/kg)	4,4'-DDE (ug/kg)	4,4'-DDT (ug/kg)	Dieldrin (ug/kg)	Endosulfan (ug/kg)	Endosulfan Sulfate (ug/kg)	Endrin (ug/kg)	Endrin Aldehyde (ug/kg)	Heptachlor Epoxide (ug/kg)	Methoxychlor (ug/kg)	Toxaphene* (ug/kg)
Regional Screening Levels: Residential Land Use (TR of 1x10⁻⁶ and THQ of 1.0) - May 2016																
				300	1,700	2,300	2,000	1,900	34	470,000	--	19,000	--	70	320,000	490
DTSC Screening Levels: Residential Land Use (lowest-listed concentration shown)																
				--	430	--	--	--	--	--	--	--	--	--	--	--
SB-50	SB-50	0.5	5/24/2016	<20.0	<20.0	244	899	1570	55.1	<20.0	<20.0	165	<20.0	<20.0	<100	2850
		2	5/24/2016	<20.0	23.3	385	1020	316	97.9	<20.0	<20.0	61.3	<20.0	<20.0	<100	1980
SB-51	SB-51	0.5	5/25/2016	<20.0	6705	229	808	880	44.3	<20.0	<20.0	167	<20.0	<20.0	<100	2010
		2	5/25/2016	<20.0	61.8	490	1790	3890	149	<20.0	<20.0	467	<20.0	<20.0	<100	2680
SB-52	SB-52	0.5	5/25/2016	<20.0	102.2	106	412	453	<20.0	<20.0	<20.0	92.1	<20.0	<20.0	<100	604
		2	5/25/2016	<20.0	57.1	454	1970	4410	94.1	<20.0	<20.0	720	<20.0	<20.0	<100	2950
SB-53	SB-53	0.5	5/25/2016	<20.0	23.8	219	1530	832	81.9	<20.0	<20.0	199	<20.0	<20.0	<100	1160
		2	5/25/2016	<20.0	<20.0	98.7	513	332	40.4	<20.0	<20.0	101	<20.0	<20.0	<100	582
SB-54	SB-54	0.5	5/25/2016	<20.0	25.2	123	1090	878	<20.0	<20.0	<20.0	243	<20.0	<20.0	<100	1360
		2	5/25/2016	<20.0	<20.0	129	1360	915	29.1	<20.0	<20.0	303	<20.0	<20.0	<100	1090
SB-55	SB-55	0.5	5/25/2016	<20.0	85.5	83.9	607	652	<20.0	<20.0	<20.0	144	<20.0	<20.0	<100	683
		2	5/25/2016	<20.0	35.1	232	1990	3770	85.0	<20.0	<20.0	595	<20.0	<20.0	<100	1960
SB-56	SB-56	0.5	5/25/2016	<20.0	<20.0	38.0	184	128	<20.0	<20.0	<20.0	20.2	<20.0	<20.0	<100	<300
		2	5/25/2016	<20.0	<20.0	79.7	379	330	31.3	<20.0	<20.0	80.1	<20.0	<20.0	<100	444
SB-57	SB-57	0.5	5/25/2016	<20.0	<20.0	198	1320	1620	49.3	<20.0	<20.0	414	<20.0	<20.0	<100	1570
SB-58	SB-58	0.5	5/25/2016	<20.0	<20.0	77.8	799	698	20.4	<20.0	<20.0	162	<20.0	<20.0	<100	706
SB-59	SB-59	0.5	5/25/2016	<20.0	<20.0	<20.0	284	130	<20.0	<20.0	<20.0	33.5	<20.0	<20.0	<100	<300
SB-60	SB-60	0.5	5/25/2016	<20.0	21.6	256	1570	2120	71.7	<20.0	<20.0	562	<20.0	<20.0	<100	1970
SB-61	SB-61	0.5	5/25/2016	<20.0	<20.0	148	1140	1200	42.6	<20.0	<20.0	342	<20.0	<20.0	<100	1610
SB-62	SB-62	0.5	5/25/2016	<20.0	<20.0	141	1500	832	63.0	<20.0	<20.0	322	<20.0	<20.0	<100	1180
SB-63	SB-63	0.5	5/25/2016	<20.0	<20.0	183	1280	1320	44.9	<20.0	<20.0	394	<20.0	<20.0	<100	1490
SB-64	SB-64	0.5	5/25/2016	<20.0	<20.0	69.8	366	488	<20.0	<20.0	<20.0	154	<20.0	<20.0	<100	778
SB-65	SB-65	0.5	5/25/2016	<20.0	<20.0	151	1180	1340	48.8	<20.0	<20.0	352	<20.0	<20.0	<100	1440
SB-66	SB-66	0.5	5/25/2016	<5.00	<5.00	62.4	65.9	22.1	10.7	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	310
SB-67	SB-67	0.5	5/25/2016	<20.0	<20.0	<20.0	153	73.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<100	<300
SB-68	SB-68	0.5	5/25/2016	<20.0	159.3	92.0	660	518	20.7	<20.0	<20.0	150	<20.0	<20.0	<100	1070
SB-69	SB-69	2	5/24/2016	<8.00	17.37	28.8	533	303	27.4	<8.00	<8.00	140	<8.00	<8.00	<40.0	1390

**Table 2
Laboratory Summary - Soil Analytical Data: OCPs**

Lemonwood Elementary School
2200 Carnegie Court
Oxnard, California

Sample ID	Sample Location(s)	Sample Depth (feet)	Date Sampled	BHC (ug/kg)	Chlordane (ug/kg)	4,4'-DDD (ug/kg)	4,4'-DDE (ug/kg)	4,4'-DDT (ug/kg)	Dieldrin (ug/kg)	Endosulfan (ug/kg)	Endosulfan Sulfate (ug/kg)	Endrin (ug/kg)	Endrin Aldehyde (ug/kg)	Heptachlor Epoxide (ug/kg)	Methoxychlor (ug/kg)	Toxaphene* (ug/kg)
Regional Screening Levels: Residential Land Use (TR of 1x10⁻⁶ and THQ of 1.0) - May 2016																
				300	1,700	2,300	2,000	1,900	34	470,000	--	19,000	--	70	320,000	490
DTSC Screening Levels: Residential Land Use (lowest-listed concentration shown)																
				--	430	--	--	--	--	--	--	--	--	--	--	--
SB-70	SB-70	2	5/24/2016	<8.00	29.8	41.2	1100	503	13.3	<8.00	<8.00	231	<8.00	<8.00	<40.0	2200
		2 (DUP)	5/24/2016	<8.00	20.72	48.8	1160	584	17.2	<8.00	<8.00	207	<8.00	<8.00	<40.0	2100
SB-71	SB-71	2	5/24/2016	<8.00	51.3	133	2910	2450	44.6	<8.00	<8.00	698	<8.00	<8.00	<40.0	6120
SB-72	SB-72	2	5/24/2016	<8.00	36.2	136	1130	1950	29.3	<8.00	<8.00	251	<8.00	<8.00	<40.0	7300
SB-73	SB-73	2	5/24/2016	<8.00	18.69	89.2	648	856	34.9	<8.00	<8.00	209	<8.00	<8.00	<40.0	4510
SB-74	SB-74	2	5/24/2016	<8.00	24.4	287	720	330	79.8	<8.00	<8.00	47.7	<8.00	<8.00	<40.0	1490
SB-75	SB-75	2	5/24/2016	<8.00	44.2	765	1400	280	243	<8.00	<8.00	46.3	<8.00	<8.00	<40.0	3460
SB-76	SB-76	2	5/24/2016	<8.00	14.5	710	1240	215	215	<8.00	<8.00	26.4	<8.00	<8.00	<40.0	3400
SB-77	SB-77	2	5/24/2016	<8.00	<8.00	652	886	32.9	110	<8.00	<8.00	<8.00	<8.00	<8.00	<40.0	<120
SB-78	SB-78	2	5/24/2016	<8.00	46.5	1200	1330	294	248	<8.00	<8.00	21.2	<8.00	<8.00	<40.0	2870

Explanations:

* = Samples were analyzed for organochlorine pesticides; except as noted,

- not reported where concentrations exceeding their respective laboratory reporting limits
- not reported where concentrations are below detection limits
- DTSC Screening levels referenced from Human Health Risk Assessment Note 3 (March 2016), Table 1.
- OCP = Organochlorine pesticide
- BHC = Benzene hexachloride
- ug/kg = Micrograms per kilogram
- TR = Target cancer risk
- THQ = Total hazard quotient
- < = Not detected at concentration exceeding stated laboratory reporting limit
- J = Estimated value; concentration below Practical Quantitation Limit
- OCP analysis by EPA Method 8081A

Data for samples collected on 5/3/2013 originally presented in Earth Systems Pacific's 5/8/2013 *Results of Initial Subsurface Assessment* report.

Data for samples collected on 9/28/2013 originally presented in Earth Systems Pacific's 11/11/2013 *Results of Soil Analysis and Initial Screening Evaluation* report.

Table 3
Laboratory Summary - Soil Analytical Data: Fill Material Profiling

Lemonwood Elementary School
 2200 Carnegie Court
 Oxnard, California

Sample Location	Sample Depth (feet)	Date Sampled	Asbestos (%)	Chlorinated Herbicides (mg/kg)	OPPs (mg/kg)	PAHs (mg/kg)	PCBs (mg/kg)	SVOCs (mg/kg)	TPH as Gasoline(C ₄ -C ₁₂) (mg/kg)	TPH as Diesel (C ₁₃ -C ₂₂) (mg/kg)	TPH as Oil (C ₂₃₊) (mg/kg)	VOCs (mg/kg)	pH
Regional Screening Levels: Residential Land Use (TR of 1x10⁻⁶ and THQ of 1.0) - May 2016													
			--	var	var	var ^a	var	var	110	110	2500	var	--
DTSC Screening Levels: Residential Land Use													
			1%	--	--	--	--	var	--	--	--	var	--
B-1	0.0	5/3/2013	--	--	--	--	--	--	--	13	100	--	--
	1.5	5/3/2013	--	--	--	--	--	--	--	<1.5	19	--	--
B-2	0.0	5/3/2013	--	--	--	--	--	--	--	16	57	--	--
	1.5	5/3/2013	--	--	--	--	--	--	--	29	96	--	--
B-3	0.0	5/3/2013	--	--	--	--	--	--	--	50	280	--	--
	1.5	5/3/2013	--	--	--	--	--	--	--	<1.5	<1.5	--	--
B-4	0.0	5/3/2013	--	--	--	--	--	--	--	<1.5	21	--	--
	1.5	5/3/2013	--	--	--	--	--	--	--	<1.5	8.6	--	--
B-5	0	9/28/2013	<0.1 ^b	--	--	--	--	--	--	--	--	--	--
	0.5	9/28/2013	--	--	--	All ND	All ND	--	<0.20	<10	<20	All ND	--
	2	9/28/2013	--	--	--	All ND	All ND	--	<0.20	<10	<20	--	--
B-7	0	9/28/2013	<0.1 ^b	--	--	--	--	--	--	--	--	--	--
	0.5	9/28/2013	--	--	--	All ND	All ND	--	<0.20	<10	<20	All ND	--
	2	9/28/2013	--	--	--	All ND	All ND	--	<0.20	<10	<20	--	--
	2 (DUP_	9/28/2013	--	--	--	All ND	All ND	--	<0.20	<10	<20	--	--
B-8	0.5	9/28/2013	--	--	--	All ND	--	--	<0.20	--	--	All ND	--
	2	9/28/2013	--	--	--	All ND	--	--	<0.20	--	--	--	--
B-10	0.5	9/28/2013	--	--	--	All ND	All ND	--	<0.20	<10	<20	All ND	--
	2	9/28/2013	--	--	--	All ND	All ND	--	<0.20	<10	<20	--	--

Table 3
Laboratory Summary - Soil Analytical Data: Fill Material Profiling

Lemonwood Elementary School
 2200 Carnegie Court
 Oxnard, California

Sample Location	Sample Depth (feet)	Date Sampled	Asbestos (%)	Chlorinated Herbicides (mg/kg)	OPPs (mg/kg)	PAHs (mg/kg)	PCBs (mg/kg)	SVOCs (mg/kg)	TPH as Gasoline(C ₄ -C ₁₂) (mg/kg)	TPH as Diesel (C ₁₃ -C ₂₂) (mg/kg)	TPH as Oil (C ₂₃₊) (mg/kg)	VOCs (mg/kg)	pH
Regional Screening Levels: Residential Land Use (TR of 1x10⁻⁶ and THQ of 1.0) - May 2016													
			--	var	var	var ^a	var	var	110	110	2500	var	--
DTSC Screening Levels: Residential Land Use													
			1%	--	--	--	--	var	--	--	--	var	--
B-11	0.5	9/28/2013	--	--	--	All ND	All ND	--	<0.20	<10	<20	All ND	--
	2	9/28/2013	--	--	--	All ND	All ND	--	<0.20	<10	<20	--	--
B-12	0	9/28/2013	<0.1 ^b	--	--	--	--	--	--	--	--	--	--
	0.5	9/28/2013	--	--	--	All ND	All ND	--	<0.20	<10	<20	All ND	--
	2	9/28/2013	--	--	--	All ND	All ND	--	<0.20	<10	<20	--	--
SB-69	2	5/24/2016	<1.0	All ND	All ND	All ND	All ND	All ND	<0.500	<2.50	<100	All ND	7.6
SB-70	2	5/24/2016	<1.0	All ND	All ND	All ND	All ND	All ND	<0.500	<2.50	<100	All ND	7.7
	2 (DUP)	5/24/2016	<1.0	All ND	All ND	All ND	All ND	All ND	<0.500	2.80	<100	All ND	7.6
SB-71	2	5/24/2016	<1.0	All ND	All ND	All ND	All ND	All ND	<0.500	<2.50	<100	All ND	7.7
SB-72	2	5/24/2016	<1.0	All ND	All ND	All ND ^c	All ND	All ND	<0.500	<2.50	<100	All ND	7.6
SB-73	2	5/24/2016	<1.0	All ND	All ND	All ND	All ND	All ND	<0.500	<2.50	<100	All ND	7.4
SB-74	2	5/24/2016	<1.0	All ND	All ND	All ND	All ND	All ND	<0.500	<2.50	<100	All ND	7.8
SB-75	2	5/24/2016	<1.0	All ND	All ND	All ND	All ND	All ND	<0.500	<2.50	<100	All ND	7.8
SB-76	2	5/24/2016	<1.0	All ND	All ND	All ND	All ND	All ND	<0.500	2.57	<100	All ND	7.7
SB-77	2	5/24/2016	<1.0	All ND	All ND	All ND	All ND	All ND	<0.500	4.52	<100	All ND	7.9
SB-78	2	5/24/2016	<1.0	All ND	All ND	All ND	All ND	All ND	<0.500	<2.50	<100	All ND	7.9

Table 3
Laboratory Summary - Soil Analytical Data: Fill Material Profiling

Lemonwood Elementary School
 2200 Carnegie Court
 Oxnard, California

Sample Location	Sample Depth (feet)	Date Sampled	Asbestos (%)	Chlorinated Herbicides (mg/kg)	OPPs (mg/kg)	PAHs (mg/kg)	PCBs (mg/kg)	SVOCs (mg/kg)	TPH as Gasoline(C ₄ -C ₁₂) (mg/kg)	TPH as Diesel (C ₁₃ -C ₂₂) (mg/kg)	TPH as Oil (C ₂₃₊) (mg/kg)	VOCs (mg/kg)	pH
Regional Screening Levels: Residential Land Use (TR of 1x10⁻⁶ and THQ of 1.0) - May 2016													
			--	var	var	var ^a	var	var	110	110	2500	var	--
DTSC Screening Levels: Residential Land Use													
			1%	--	--	--	--	var	--	--	--	var	--

Explanations:

mg/kg = Milligrams per kilogram

TR = Target cancer risk

THQ = Total hazard quotient

DTSC Screening levels referenced from Human Health Risk Assessment Note 3 (March 2016), Table 1.

-- = No established Screening Level or the sample was not analyzed for the listed constituent(s)

< = Not detected at concentration exceeding stated laboratory reporting limit

a = Regional Screening Level for Pyrene is 1,800 mg/kg

b = Asbestos analysis by EPA Method 600/R-93/116

c = Pyrene was detected at a concentration of 0.0115 mg/kg, below the practical quantitation limit of 0.020 mg/kg.

var = Various Screening Levels

Asbestos analysis by OSHA Method ID-191, utilizing polarized light microscopy

Chlorinated herbicide analysis by EPA Method 8151A

OPP = Organophosphorus pesticide; analysis by EPA Method 8141A

PAH = Polycyclic aromatic hydrocarbon; analysis by EPA Method 8310

PCB = Polychlorinated biphenyl; analysis by EPA Method 8082

pH analysis by EPA Method 9045

SVOC = Semi-volatile organic compound; analysis by EPA Method 8270C

TPH = Total petroleum hydrocarbons; analysis by EPA Method 8015M

VOC = Volatile organic compound; analysis by EPA Methods 5035 and 8260B

Data for samples collected on 5/3/2013 originally presented in Earth Systems Pacific's 5/8/2013 *Results of Initial Subsurface Assessment* report.

Data for samples collected on 9/28/2013 originally presented in Earth Systems Pacific's 11/11/2013 *Results of Soil Analysis and Initial*

**Table 4
Laboratory Summary - Equipment Blank Samples**

Lemonwood Elementary School
2200 Carnegie Court
Oxnard, California

Sample ID	Sample Location(s)	Date Sampled	Arsenic (ug/L)	Asbestos (MF/L)	Chlorinated Herbicides (ug/L)	Lead (ug/L)	Oranochlorine Pesticides (ug/L)	Oranophosphorus Pesticides (ug/L)	Polycyclic Aromatic Hydrocarbons (ug/L)	Polychlorinated Biphenyls (ug/L)	Semi-volatile Organic Compounds (ug/L)	Title 22 Metals (ug/L)	TPH as Gasoline (C ₄ -C ₁₂) (ug/L)	TPH as Diesel (C ₁₃ -C ₂₂) (ug/L)	TPH as Oil (C ₂₃ +) (ug/L)	Volatile Organic Compounds (ug/L)
EB-1	SB-17	5/23/2016	--	--	--	<10	--	--	--	--	--	--	--	--	--	--
EB-2	SB-19	5/23/2016	--	--	--	<10	--	--	--	--	--	--	--	--	--	--
EB-3	SB-33	5/23/2016	<20	--	--	--	ND	--	--	--	--	--	--	--	--	--
EB-4	SB-56	5/25/2016	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
EB-5	SB-78	5/24/2016	<20	<0.20	ND	<10	ND	ND	ND	ND	ND	ND	<100	<500	<2,500	ND
EB-6	SB-48	5/24/2016	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
EB-7	SB-68	5/25/2016	--	--	--	--	ND	--	--	--	--	--	--	--	--	--

Explanations:

ug/L = Micrograms per liter

MF/L = Million fibers per liter

< = Not detected at concentration exceeding stated laboratory reporting limit

ND = Not detected at concentrations exceeding laboratory reporting limits presented in associated laboratory reports included in Appendix B.

Arsenic analysis by EPA Method 6010B

Asbestos analysis by OSHA Method ID-191, utilizing polarized light microscopy

Chlorinated herbicide analysis by EPA Method 8151A

Lead analysis by EPA Method 6010B

Organochlorine pesticide analysis by EPA Method 8081A

Organophosphorus pesticide analysis by EPA Method 8141A

Polycyclic aromatic hydrocarbon analysis by EPA Method 8310

Polychlorinated biphenyl analysis by EPA Method 8082

Semi-volatile organic compound analysis by EPA Method 8270C

Title 22 metals analysis by EPA Methods 6010B and 7471A

Total petroleum hydrocarbon analysis by EPA Method 8015M

Volatile organic compound analysis by EPA Methods 5035 and 8260B

Table 5
Risk Calculations - Default Residential Use Screening Levels

Lemonwood Elementary School
 2200 Carnegie Court
 Oxnard, California

Contaminant	Average Concentration* (mg/kg)	Maximum Detection (mg/kg)	95% Upper Confidence Limit - EPC (mg/kg)	RSL	Calculated Cancer Risk
TPHd	16.84	50	9.115	110	NA****
TPHo	83.09	280	51.85	2500	NA****
BHC	0.000275	0.0013	0.000516**	0.30	NA****
Chlordane	0.1890	6.7050	0.385	0.43***	8.951E-07
4,4-DDD	0.2258	1.200	0.2987	2.3	1.299E-07
4,4-DDE	0.8591	2.910	0.9099	2.0	4.550E-07
4,4-DDT	0.8109	4.410	1.116	1.9	5.874E-07
Dieldrin	0.0522	0.310	0.0696	0.034	2.046E-06
Endosulfan	0.00697	0.0073	0.002631**	470	NA****
Endrin	0.2043	0.720	0.2107	19	NA****
Heptachlor Epoxide	--	0.0012	--**	0.070	1.714E-08
Methoxychlor	--	0.097	--**	320	3.031E-10
Toxaphene	2.137	7.300	1.896	0.49	3.869E-06
Pyrene	--	0.0115	--**	1800	NA****
Cumulative Risk:					8.000E-06

Notes:

mg/kg = Milligrams per kilogram

EPC = Exposure point concentration; shown as milligrams per kilogram

RSL = Regional Screening Level (residential land use); shown as milligrams per kilogram

TPHd = Total petroleum hydrocarbons as diesel

TPHo = Total petroleum hydrocarbons as oil

The 95% upper confidence limit of the mean detected contaminant concentration was utilized as the EPC.

* The average concentration is the mean value of all detections.

** Due to limited number of samples, the maximum-detected contaminant concentration was utilized as the EPC.

*** Chlordane has an RSL of 1.7 mg/kg; the displayed concentration is the DTSC-modified Screening Level.

**** Chemical has been determined to be non-carcinogenic.

Table 6
Risk Calculations - Site-Specific Screening Levels

Lemonwood Elementary School
2200 Carnegie Court
Oxnard, California

Contaminant	Average Concentration* (mg/kg)	Maximum Detection (mg/kg)	95% Upper Confidence Limit - EPC (mg/kg)	Non-Residential SL (Students)	Non-Residential SL (Adults)	Calculated Cancer Risk (Students)	Calculated Cancer Risk (Adults)
TPHd	16.84	50	9.115	494	600	--***	--***
TPHo	83.09	280	51.85	9340	32800	--***	--***
BHC	0.000275	0.0013	0.000516**	2.08	1.28	6.24E-10	1.02E-09
Chlordane	0.1890	6.7050	0.385	--	--	--***	--***
4,4-DDD	0.2258	1.200	0.2987	15.6	9.57	1.91E-08	3.12E-08
4,4-DDE	0.8591	2.910	0.9099	12.7	9.28	7.14E-08	9.80E-08
4,4-DDT	0.8109	4.410	1.116	12.3	8.53	9.09E-08	1.31E-07
Dieldrin	0.0522	0.310	0.0696	0.235	0.144	2.97E-07	4.85E-07
Endosulfan	0.00697	0.0073	0.002631**	1530	7010	--***	--***
Endrin	0.2043	0.720	0.2107	70.0	246	--***	--***
Heptachlor Epoxide	--	0.0012	--**	0.468	0.330	2.57E-09	3.64E-09
Methoxychlor	--	0.097	--**	1170	4100	--***	--***
Toxaphene	2.137	7.300	1.896	3.41	2.09	5.56E-07	9.08E-07
Pyrene	--	0.0115	--**	6820	22600	--***	--***
Cumulative Values:						1.04E-06	1.66E-06

Notes:

- mg/kg = Milligrams per kilogram
- EPC = Exposure point concentration; shown as milligrams per kilogram
- HI = Non-Carcinogenic hazard index
- SL = Screening Level (site-specific); shown as milligrams per kilogram
- TPHd = Total petroleum hydrocarbons as diesel
- TPHo = Total petroleum hydrocarbons as oil
- = Not applicable

The 95% upper confidence limit of the mean detected contaminant concentration was utilized as the EPC.

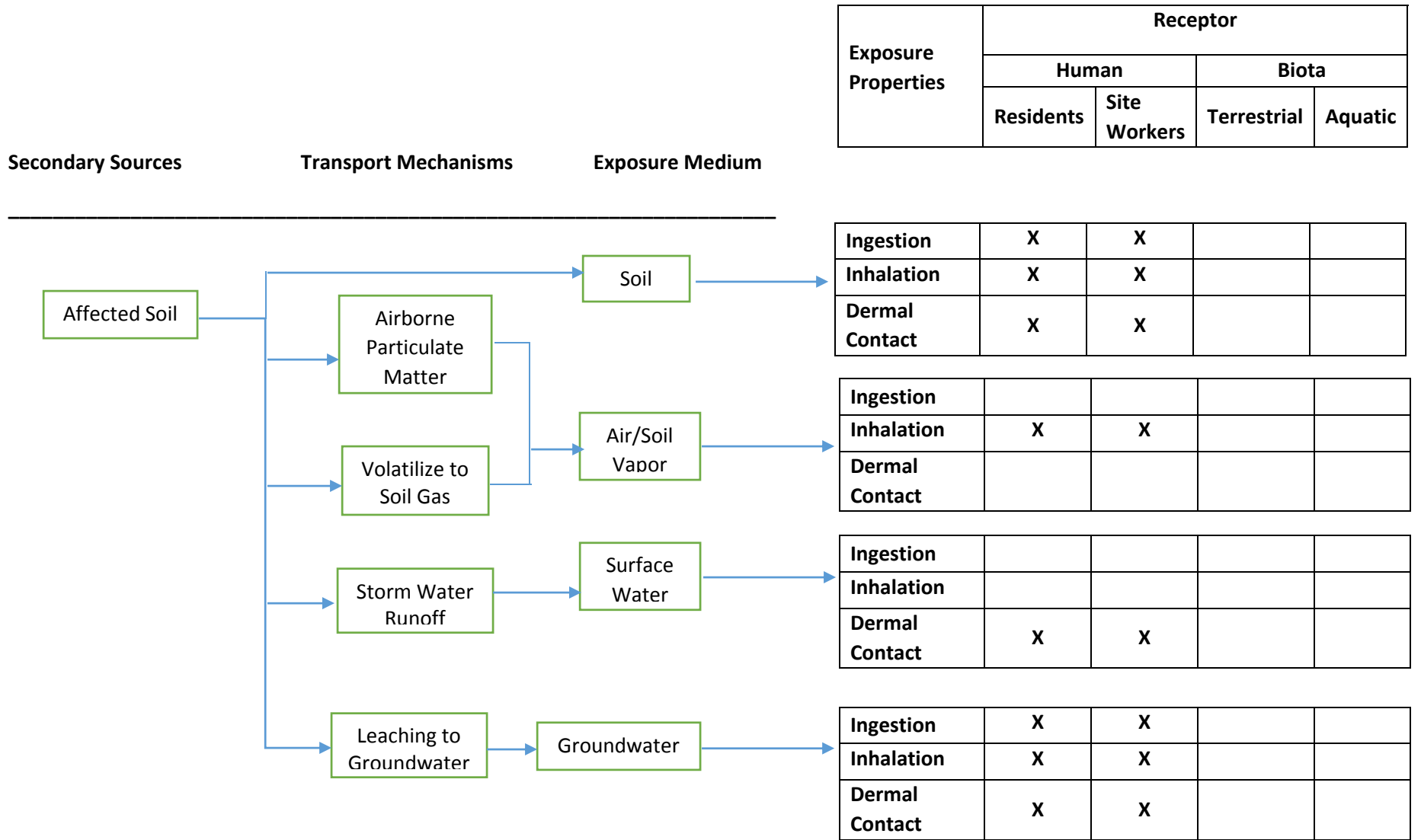
* The average concentration listed is the mean value of all detections.

** Due to limited number of samples, the maximum-detected contaminant concentration was utilized as the EPC.

*** No carcinogenic risk has been calculated for the chemical.

APPENDIX A
SITE CONCEPTUAL MODEL

SITE CONCEPTUAL MODEL PATHWAY RECEPTOR NETWORK



APPENDIX B

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION



781 East Washington Blvd., Los Angeles, CA 90021
[213] 745-5312 FAX [213] 745-6372

June 02, 2016

Mr. Ben Chevlen
ATC Group Services LLC [Monterey Park]
25 Cupania Circle
Monterey Park, CA 91755

Report No.: 1605271

Project Name: Oxnard School District - 2200 Carnegie Court, Oxnard, CA /
1011600537

Dear Mr. Ben Chevlen,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on May 23, 2016.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.


Project Manager



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/02/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-15 @ 0.5' Soil (1605271-01) Sampled:05/23/16 16:46 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	5.61		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: SB-16 @ 0.5' Soil (1605271-02) Sampled:05/23/16 18:25 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	7.88		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: SB-17 @ 0.5' Soil (1605271-03) Sampled:05/23/16 18:29 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	10.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: SB-17 @ 0.5' DUP Soil (1605271-04) Sampled:05/23/16 18:29 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	8.50		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: SB-18 @ 0.5' Soil (1605271-05) Sampled:05/23/16 18:25 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	7.48		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: SB-19 @ 0.5' Soil (1605271-06) Sampled:05/23/16 18:31 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	8.23		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: SB-20 @ 0.5' Soil (1605271-07) Sampled:05/23/16 18:09 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	8.52		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: SB-21 @ 0.5' Soil (1605271-08) Sampled:05/23/16 18:06 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	6.23		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: SB-22 @ 0.5' Soil (1605271-09) Sampled:05/23/16 18:04 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	10.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: SB-23 @ 0.5' Soil (1605271-10) Sampled:05/23/16 18:02 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	5.26		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: SB-24 @ 0.5' Soil (1605271-11) Sampled:05/23/16 16:30 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	13.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: EQ Blank 1 Water (1605271-12) Sampled:05/23/16 19:15 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	ND		1	mg/L	0.0100	EPA 3010A EPA 6010B	05/26/16	05/26/16	CG	BE62709
Sample ID: SB-25 @ 0.5' Soil (1605271-13) Sampled:05/23/16 17:17 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	5.84		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: SB-25 @ 0.5' DUP Soil (1605271-14) Sampled:05/23/16 17:17 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch



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Page 3 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/02/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-25 @ 0.5' DUP Soil (1605271-14) Sampled:05/23/16 17:17 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Lead	7.23		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633	
Sample ID: SB-26 @ 0.5' Soil (1605271-15) Sampled:05/23/16 17:22 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Lead	5.12		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633	
Sample ID: EQ Blank 2 Water (1605271-16) Sampled:05/23/16 17:24 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Lead	ND		1	mg/L	0.0100	EPA 3010A EPA 6010B	05/26/16	05/26/16	CG	BE62709	
Sample ID: COMP 1 @ 0.5' Soil (1605271-17) Sampled:05/23/16 00:00 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
beta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
delta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
alpha-Chlordane	11.7		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
gamma-Chlordane	7.04		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
4,4'-DDD	289		100	ug/kg	200	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
4,4'-DDE	1210		100	ug/kg	400	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
4,4'-DDT	348		100	ug/kg	200	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Dieldrin	48.5		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Endrin	127		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Heptachlor	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Toxaphene	1820		1	ug/kg	30.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Surrogate: 2,4,5,6 Tetrachloro-m-xylol	82.0 %			55-126		EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Surrogate: Decachlorobiphenyl	94.1 %			49-133		EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Sample ID: COMP 1 @ 2' Soil (1605271-18) Sampled:05/23/16 00:00 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
beta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
delta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
alpha-Chlordane	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
gamma-Chlordane	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
4,4'-DDD	6.77		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
4,4'-DDE	54.8		1	ug/kg	4.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
4,4'-DDT	40.0		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Dieldrin	2.48		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621	



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Page 4 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/02/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 1 @ 2' Soil (1605271-18) Sampled: 05/23/16 00:00 Received: 05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	7.04		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	166		1	ug/kg	30.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene 91.4 % 55-126 EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621</i>										
<i>Surrogate: Decachlorobiphenyl 104 % 49-133 EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621</i>										
Sample ID: SB-27 @ 2' Soil (1605271-19) Sampled: 05/23/16 15:58 Received: 05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Arsenic	3.23		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: SB-28 @ 0.5' Soil (1605271-20) Sampled: 05/23/16 15:37 Received: 05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Arsenic	3.04		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: COMP 2 @ 0.5' Soil (1605271-21) Sampled: 05/23/16 00:00 Received: 05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-Chlordane	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	99.1		10	ug/kg	20.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDE	469		10	ug/kg	40.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDT	224		10	ug/kg	20.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Dieldrin	8.78		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	75.1		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	1300		1	ug/kg	30.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene 94.0 % 55-126 EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621</i>										
<i>Surrogate: Decachlorobiphenyl 92.7 % 49-133 EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621</i>										
Sample ID: COMP 2 @ 2' Soil (1605271-22) Sampled: 05/23/16 00:00 Received: 05/23/16 21:15										



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Page 5 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/02/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 2 @ 2' Soil (1605271-22) Sampled:05/23/16 00:00 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	2.46		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-Chlordane	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	44.3		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDE	169		1	ug/kg	4.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDT	27.8		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Dieldrin	17.4		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	3.56		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	290		1	ug/kg	30.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>	<i>88.6 %</i>			<i>55-126</i>		<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>05/25/16</i>	<i>05/26/16</i>	<i>ai</i>	<i>BE62621</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>94.4 %</i>			<i>49-133</i>		<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>05/25/16</i>	<i>05/26/16</i>	<i>ai</i>	<i>BE62621</i>
Sample ID: SB-31 @ 2' Soil (1605271-23) Sampled:05/23/16 17:25 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Arsenic	3.47		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: SB-32 @ 0.5' Soil (1605271-24) Sampled:05/23/16 17:30 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Arsenic	2.36		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62633
Sample ID: COMP 3 @ 0.5' Soil (1605271-25) Sampled:05/23/16 00:00 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	22.0		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-Chlordane	10.7		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	830		100	ug/kg	200	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDE	2330		100	ug/kg	400	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDT	1260		100	ug/kg	200	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Dieldrin	43.2		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621



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Page 6 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/02/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 3 @ 0.5' Soil (1605271-25) Sampled:05/23/16 00:00 Received:05/23/16 21:15											
Endrin	246		100	ug/kg	200	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	3790		1	ug/kg	30.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylol 89.3 % 55-126 EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621</i>											
<i>Surrogate: Decachlorobiphenyl 93.2 % 49-133 EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621</i>											

Sample ID: COMP 3 @ 2' Soil (1605271-26) Sampled:05/23/16 00:00 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	15.7		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-Chlordane	12.2		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	772		100	ug/kg	200	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDE	1980		100	ug/kg	400	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDT	1170		100	ug/kg	200	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Dieldrin	29.6		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	229		100	ug/kg	200	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	3750		1	ug/kg	30.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylol 86.4 % 55-126 EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621</i>										
<i>Surrogate: Decachlorobiphenyl 95.1 % 49-133 EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621</i>										

Sample ID: SB-33 @ 0.5' Soil (1605271-27) Sampled:05/23/16 19:00 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Arsenic	3.15		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633

Sample ID: SB-35 @ 2' Soil (1605271-28) Sampled:05/23/16 18:40 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Arsenic	3.24		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62633

Sample ID: COMP 4 @ 0.5' Soil (1605271-29) Sampled:05/23/16 00:00 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621



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Page 7 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/02/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	COMP 4 @ 0.5' Soil	(1605271-29)	Sampled:05/23/16 00:00	Received:05/23/16 21:15							
beta-BHC	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
delta-BHC	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
gamma-BHC (Lindane)	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
alpha-Chlordane	7.95	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
gamma-Chlordane	10.9	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
4,4'-DDD	386	100	ug/kg	200	EPA 3546	EPA 8081A	05/25/16	05/27/16	ai	BE62621	
4,4'-DDE	1600	100	ug/kg	400	EPA 3546	EPA 8081A	05/25/16	05/27/16	ai	BE62621	
4,4'-DDT	510	100	ug/kg	200	EPA 3546	EPA 8081A	05/25/16	05/27/16	ai	BE62621	
Dieldrin	60.1	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Endosulfan I	ND	1	ug/kg	4.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Endosulfan II	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Endosulfan sulfate	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Endrin	107	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Technical Chlordane	ND	1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Endrin aldehyde	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Endrin ketone	ND	1	ug/kg	6.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Heptachlor	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Heptachlor epoxide	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Methoxychlor	ND	1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Toxaphene	1580	1	ug/kg	30.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
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Surrogate: 2,4,5,6 Tetrachloro-m-xylol	91.6 %			55-126	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Surrogate: Decachlorobiphenyl	98.5 %			49-133	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	

Sample ID:	COMP 4 @ 0.5' DUP Soil	(1605271-30)	Sampled:05/23/16 00:00	Received:05/23/16 21:15							
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	12.0		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-Chlordane	12.1		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	497		100	ug/kg	200	EPA 3546	EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDE	2050		100	ug/kg	400	EPA 3546	EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDT	803		100	ug/kg	200	EPA 3546	EPA 8081A	05/25/16	05/27/16	ai	BE62621
Dieldrin	65.0		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	142		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	1860		1	ug/kg	30.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
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Surrogate: 2,4,5,6 Tetrachloro-m-xylol	90.8 %			55-126	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	
Surrogate: Decachlorobiphenyl	95.2 %			49-133	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621	



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Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 4 @ 2' Soil (1605271-31) Sampled:05/23/16 00:00 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
alpha-Chlordane	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
gamma-Chlordane	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
4,4'-DDD	3.23		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
4,4'-DDE	9.32		1	ug/kg	4.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
4,4'-DDT	4.19		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Dieldrin	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Endrin	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Toxaphene	46.0		1	ug/kg	30.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	93.7 %			55-126		EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Surrogate: Decachlorobiphenyl	92.2 %			49-133		EPA 3546	EPA 8081A	05/25/16	05/26/16	ai BE62621
Sample ID: SB-36 @ 0.5' Soil (1605271-32) Sampled:05/23/16 18:28 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By Batch
Arsenic	3.62		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG BE62547
Sample ID: SB-37 @ 2' Soil (1605271-33) Sampled:05/23/16 17:52 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By Batch
Arsenic	2.40		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG BE62547
Sample ID: SB-37 @ 2' DUP Soil (1605271-34) Sampled:05/23/16 17:52 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By Batch
Arsenic	1.69		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG BE62547
Sample ID: EQ Blank 3 Water (1605271-35) Sampled:05/23/16 19:19 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By Batch
Aldrin	ND		1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai BE62705
alpha-BHC	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai BE62705
beta-BHC	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai BE62705
delta-BHC	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai BE62705
gamma-BHC (Lindane)	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai BE62705
alpha-Chlordane	ND		1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai BE62705
gamma-Chlordane	ND		1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai BE62705
4,4'-DDD	ND		1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai BE62705
4,4'-DDE	ND		1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai BE62705
4,4'-DDT	ND		1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai BE62705



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Page 9 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/02/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: EQ Blank 3 Water (1605271-35) Sampled: 05/23/16 19:19 Received: 05/23/16 21:15											
Dieldrin	ND		1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endosulfan I	ND		1	ug/l	0.100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endosulfan II	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endosulfan sulfate	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endrin	ND		1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endrin aldehyde	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endrin ketone	ND		1	ug/l	0.100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Heptachlor	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Heptachlor epoxide	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Methoxychlor	ND		1	ug/l	0.500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Technical Chlordane	ND		1	ug/l	0.500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Toxaphene	ND		1	ug/l	1.00	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
<hr/>											
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	76.8 %				36-114	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Surrogate: Decachlorobiphenyl	64.0 %				33-129	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Arsenic	ND		1	mg/L	0.0200	EPA 3010A	EPA 6010B	05/26/16	05/26/16	CG	BE62709



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Certificate of Analysis

Page 10 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/02/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62621 - EPA 3546										
Blank Prepared: 05/25/16 Analyzed: 05/26/16										
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4'-DDD	ND	2.00	ug/kg							
4,4'-DDE	ND	4.00	ug/kg							
4,4'-DDT	ND	2.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	6.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	10.0	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	16.9		ug/kg	16.67		101	55-126			
Surrogate: Decachlorobiphenyl	14.7		ug/kg	16.67		88.2	49-133			
LCS Prepared: 05/25/16 Analyzed: 05/26/16										
Aldrin	12.9	2.00	ug/kg	13.33		96.4	56-130			
gamma-BHC (Lindane)	12.7	2.00	ug/kg	13.33		95.4	56-133			
4,4'-DDT	15.0	2.00	ug/kg	13.33		113	56-133			
Dieldrin	16.0	2.00	ug/kg	13.33		120	62-119			
Endrin	14.3	2.00	ug/kg	13.33		107	59-127			
Heptachlor	12.8	2.00	ug/kg	13.33		95.9	55-110			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	16.6		ug/kg	16.67		99.5	54-108			
Surrogate: Decachlorobiphenyl	16.9		ug/kg	16.67		101	54-127			
Matrix Spike Source: 1605257-01 Prepared: 05/25/16 Analyzed: 05/26/16										
Aldrin	11.8	2.00	ug/kg	13.33	ND	88.2	39-124			
gamma-BHC (Lindane)	11.8	2.00	ug/kg	13.33	ND	88.7	44-120			
4,4'-DDT	34.6	2.00	ug/kg	33.33	ND	104	48-150			
Dieldrin	36.0	2.00	ug/kg	33.33	ND	108	48-144			
Endrin	33.7	2.00	ug/kg	33.33	ND	101	54-149			



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Certificate of Analysis

Page 11 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/02/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch BE62621 - EPA 3546										
Heptachlor	10.4	2.00	ug/kg	13.33	ND	78.0	46-135			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	15.4		ug/kg	16.67		92.1	57-126			
Surrogate: Decachlorobiphenyl	15.0		ug/kg	16.67		90.2	43-136			
Matrix Spike Dup Source: 1605257-01 Prepared: 05/25/16 Analyzed: 05/26/16										
Aldrin	11.8	2.00	ug/kg	13.33	ND	88.2	39-124	0.0170	30	
gamma-BHC (Lindane)	11.8	2.00	ug/kg	13.33	ND	88.7	44-120	0.0338	30	
4,4'-DDT	33.2	2.00	ug/kg	33.33	ND	99.7	48-150	4.20	30	
Dieldrin	35.1	2.00	ug/kg	33.33	ND	105	48-144	2.49	30	
Endrin	34.2	2.00	ug/kg	33.33	ND	103	54-149	1.58	30	
Heptachlor	10.2	2.00	ug/kg	13.33	ND	76.5	46-135	1.98	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	15.3		ug/kg	16.67		92.1	57-126			
Surrogate: Decachlorobiphenyl	14.0		ug/kg	16.67		84.0	43-136			

Batch BE62705 - EPA 3535A										
Blank Prepared: 05/25/16 Analyzed: 05/27/16										
Aldrin	ND	0.0100	ug/l							
alpha-BHC	ND	0.0200	ug/l							
beta-BHC	ND	0.0200	ug/l							
delta-BHC	ND	0.0200	ug/l							
gamma-BHC (Lindane)	ND	0.0200	ug/l							
alpha-Chlordane	ND	0.0500	ug/l							
gamma-Chlordane	ND	0.0500	ug/l							
4,4'-DDD	ND	0.0500	ug/l							
4,4'-DDE	ND	0.0500	ug/l							
4,4'-DDT	ND	0.0100	ug/l							
Dieldrin	ND	0.0100	ug/l							
Endosulfan I	ND	0.100	ug/l							
Endosulfan II	ND	0.0200	ug/l							
Endosulfan sulfate	ND	0.0200	ug/l							
Endrin	ND	0.0100	ug/l							
Endrin aldehyde	ND	0.0200	ug/l							
Endrin ketone	ND	0.100	ug/l							
Heptachlor	ND	0.0200	ug/l							
Heptachlor epoxide	ND	0.0200	ug/l							
Methoxychlor	ND	0.500	ug/l							
Technical Chlordane	ND	0.500	ug/l							
Toxaphene	ND	1.00	ug/l							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.186		ug/l	0.2500		74.4	36-114			
Surrogate: Decachlorobiphenyl	0.193		ug/l	0.2500		77.2	33-129			
LCS Prepared: 05/25/16 Analyzed: 05/27/16										



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 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 12 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/02/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62705 - EPA 3535A										
Aldrin	0.151	0.0100	ug/l	0.2000		75.5	40-110			
gamma-BHC (Lindane)	0.164	0.0200	ug/l	0.2000		82.0	44-101			
4,4'-DDE	0.185	0.0500	ug/l	0.2000		92.5	43-116			
4,4'-DDT	0.200	0.0100	ug/l	0.2000		100	51-125			
Dieldrin	0.210	0.0100	ug/l	0.2000		105	54-111			
Endrin	0.189	0.0100	ug/l	0.2000		94.5	55-120			
Heptachlor	0.169	0.0200	ug/l	0.2000		84.5	45-109			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.192		ug/l	0.2500		76.8	39-114			
Surrogate: Decachlorobiphenyl	0.182		ug/l	0.2500		72.8	36-118			
LCS Dup Prepared: 05/25/16 Analyzed: 05/27/16										
Aldrin	0.140	0.0100	ug/l	0.2000		70.0	40-110	7.56	25	
gamma-BHC (Lindane)	0.163	0.0200	ug/l	0.2000		81.5	44-101	0.612	25	
4,4'-DDE	0.178	0.0500	ug/l	0.2000		89.0	43-116	3.86	25	
4,4'-DDT	0.180	0.0100	ug/l	0.2000		90.0	51-125	10.5	25	
Dieldrin	0.204	0.0100	ug/l	0.2000		102	54-111	2.90	25	
Endrin	0.189	0.0100	ug/l	0.2000		94.5	55-120	0.00	25	
Heptachlor	0.160	0.0200	ug/l	0.2000		80.0	45-109	5.47	25	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.170		ug/l	0.2500		68.0	39-114			
Surrogate: Decachlorobiphenyl	0.177		ug/l	0.2500		70.8	36-118			
Batch BE62547 - EPA 3050B										
Blank Prepared & Analyzed: 05/25/16										
Arsenic	ND	1.00	mg/kg							
LCS Prepared & Analyzed: 05/25/16										
Arsenic	48.5	1.00	mg/kg	49.22		98.6	80-120			
Matrix Spike Source: 1605275-02 Prepared & Analyzed: 05/25/16										
Arsenic	53.5	1.00	mg/kg	49.22	7.36	93.8	75-125			
Matrix Spike Dup Source: 1605275-02 Prepared & Analyzed: 05/25/16										
Arsenic	52.0	1.00	mg/kg	49.22	7.36	90.8	75-125	3.26	30	
Batch BE62633 - EPA 3050B										
Blank Prepared & Analyzed: 05/25/16										
Arsenic	ND	1.00	mg/kg							
Lead	ND	1.00	mg/kg							
LCS Prepared & Analyzed: 05/25/16										
Arsenic	47.9	1.00	mg/kg	49.22		97.3	80-120			
Lead	52.7	1.00	mg/kg	49.47		107	80-120			
Matrix Spike Source: 1605271-20 Prepared & Analyzed: 05/25/16										
Arsenic	48.7	1.00	mg/kg	49.22	3.04	92.7	75-125			
Lead	52.8	1.00	mg/kg	49.47	5.65	95.3	75-125			



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Certificate of Analysis

Page 13 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/02/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62633 - EPA 3050B										
Matrix Spike Dup Source: 1605271-20 Prepared & Analyzed: 05/25/16										
Lead	52.2	1.00	mg/kg	49.47	5.65	94.0	75-125	1.38	30	
Arsenic	47.2	1.00	mg/kg	49.22	3.04	89.8	75-125	3.22	30	
Batch BE62709 - EPA 3010A										
Blank Prepared & Analyzed: 05/26/16										
Arsenic	ND	0.0200	mg/L							
Lead	ND	0.0100	mg/L							
LCS Prepared & Analyzed: 05/26/16										
Arsenic	0.490	0.0200	mg/L	0.4992		98.1	85-115			
Lead	0.503	0.0100	mg/L	0.4992		101	85-115			
Matrix Spike Source: 1605271-12 Prepared & Analyzed: 05/26/16										
Arsenic	0.483	0.0200	mg/L	0.4992	ND	96.8	80-120			
Lead	0.495	0.0100	mg/L	0.4992	ND	99.2	80-120			
Matrix Spike Dup Source: 1605271-12 Prepared & Analyzed: 05/26/16										
Arsenic	0.492	0.0200	mg/L	0.4992	ND	98.5	80-120	1.74	20	
Lead	0.507	0.0100	mg/L	0.4992	ND	102	80-120	2.39	20	

Notes and Definitions

- NA Not Applicable
- ND Analyte NOT DETECTED at or above the detection limit
- NR Not Reported
- MDL Method Detection Limit
- PQL Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parker

Authorized Signature(s)



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/23/16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 109271

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 1.8°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 SAMPLER NAME: SIGNATURE: REMARKS: _____

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPS by EPA 8081A						SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/23/16</u>	<u>1646</u>	SB-15 @ 0.5'		X			N	1	G		X							
		<u>1825</u>	SB-16 @ 0.5'		X			N	1	G		X							
		<u>1829</u>	SB-17 @ 0.5'		X			N	1	G		X							
		<u>1829</u>	SB-17 @ 0.5' DUP		X			N	1	G		X							
		<u>1825</u>	SB-18 @ 0.5'		X			N	1	G		X							
		<u>1831</u>	SB-19 @ 0.5'		X			N	1	G		X							
		<u>1809</u>	SB-20 @ 0.5'		X			N	1	G		X							
		<u>1806</u>	SB-21 @ 0.5'		X			N	1	G		X							
		<u>1804</u>	SB-22 @ 0.5'		X			N	1	G		X							
		<u>1802</u>	SB-23 @ 0.5'		X			N	1	G		X							

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/23/16</u> Time: <u>9:15 PM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: _____ Time: _____	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date: <u>5/23/16 @ 7:00 PM</u> Time: _____	

SPECIAL INSTRUCTION:

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/23/16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 100521

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:

ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 1.8°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 ← PRESERVATION *

SAMPLER NAME: SIGNATURE: REMARKS:

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPs by EPA 8081A							SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE										
	<u>5/23/16</u>	<u>1630</u>	SB-24 @ 0.5'		X			N	1	G		X								
		<u>1915</u>	EQ Blank 1	X				N				X								
		<u>1717</u>	SB-25 @ 0.5'		X			N	1	G		X								
		<u>1717</u>	SB-25 @ 0.5' DUP		X			N	1	G		X								
		<u>1722</u>	SB-26 @ 0.5'		X			N	1	G		X								
		<u>1924</u>	EQ Blank 2	X				N				X								
		<u>1924</u>	Temp Blank	X																

Relinquished by (Signature & Name):

Relinquished by (Signature & Name):

Relinquished by (Signature & Name):

Received by (Signature & Name):
 Date: 5/23/16 Time: 9:05 pm

Received by (Signature & Name):
 Date: 5/24/16 Time: @ 7:00

Received by (Signature & Name):

SAMPLE DISPOSITION
 1. Samples returned to client? Yes No
 2. Samples will not be stored over 30 days, unless additional storage time is requested
 3. Storage time requested: _____ days,
 By: _____ Date: _____

SPECIAL INSTRUCTION:

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: _____ PAGE: 1 OF 1
 FILE NO.: _____ LAB NO.: 110991

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 1.8°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781
 ← PRESERVATION *
 SAMPLER NAME: SIGNATURE: REMARKS: _____

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPS by EPA 8081A						SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/23/16</u>		Comp 1 @ 0.5'		X			N	3	G			X						LAB TO COMPOSITE
			Comp 1 @ 2'		X			N	3	G			X						LAB TO COMPOSITE
		<u>1555</u>	SB-27 @ 0.5'		X			N	2	G									HOLD
		<u>1558</u>	SB-27 @ 2'		X			N	1	G	X								
		<u>1558</u>	SB-27 @ 2'		X			N	2	G									HOLD
		<u>1537</u>	SB-28 @ 0.5'		X			N	1	G	X								
		<u>1537</u>	SB-28 @ 0.5'		X			N	2	G									HOLD
		<u>1542</u>	SB-28 @ 2'		X			N	2	G									HOLD
		<u>1608</u>	SB-29 @ 0.5'		X			N	2	G									HOLD
		<u>1614</u>	SB-29 @ 2'		X			N	2	G									HOLD

Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/23/16</u>	Time: <u>9:15 pm</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/24/16</u>	Time: <u>ETC</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/23/16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1011600537

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:

ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 1.8°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION * >

SAMPLER NAME: SIGNATURE: REMARKS:

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPIs by EPA 8081A						SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/23/16</u>		Comp 2 @ 0.5'		X			N	3	G			X						LAB TO COMPOSITE
			Comp 2 @ 2'		X			N	3	G			X						LAB TO COMPOSITE
		<u>16:16</u>	SB-30 @ 0.5'		X			N	2	G									HOLD
		<u>16:31</u>	SB-30 @ 2'		X			N	2	G									HOLD
		<u>17:20</u>	SB-31 @ 0.5'		X			N	2	G									HOLD
		<u>17:25</u>	SB-31 @ 2'		X			N	1	G	X								
		<u>17:25</u>	SB-31 @ 2'		X			N	2	G									HOLD
		<u>17:30</u>	SB-32 @ 0.5'		X			N	1	G	X								
		<u>17:30</u>	SB-32 @ 0.5'		X			N	2	G									HOLD
		<u>17:32</u>	SB-32 @ 2'		X			N	2	G									HOLD

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/23/16</u>	Time: <u>9:15 pm</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/16</u>	Time: <u>7:00</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/23/16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1109271

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:

ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 1.8°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <----PRESERVATION *
 REMARKS: _____

SAMPLER NAME: SIGNATURE: Arsenic by EPA 6010B Lead by EPA 6010B OCPs by EPA 8081A

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPs by EPA 8081A						SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/23/16</u>		Comp 3 @ 0.5'		X			N	3	G			X						LAB TO COMPOSITE
			Comp 3 @ 2'		X			N	3	G			X						LAB TO COMPOSITE
		<u>1900</u>	SB-33 @ 0.5'		X			N	1	G	X								
		<u>1900</u>	SB-33 @ 0.5'		X			N	2	G									HOLD
		<u>1904</u>	SB-33 @ 2'		X			N	2	G									HOLD
		<u>1844</u>	SB-34 @ 0.5'		X			N	2	G									HOLD
		<u>1850</u>	SB-34 @ 2'		X			N	2	G									HOLD
		<u>1838</u>	SB-35 @ 0.5'		X			N	2	G									HOLD
		<u>1840</u>	SB-35 @ 2'		X			N	1	G	X								
		<u>1840</u>	SB-35 @ 2'		X			N	2	G									HOLD

Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/23/16</u>	Time: <u>9:15 AM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: _____	Time: _____	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date: _____	Time: _____	

SPECIAL INSTRUCTION:

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/23/16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1105271

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 1.8°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 SAMPLER NAME: SIGNATURE: REMARKS:

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPIs by EPA 8081A						SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/23/16</u>		<u>Comp 4 @ 0.5'</u> <u>Comp 4 @ 0.5' Dup</u>		X			N	3	G			X						LAB TO COMPOSITE
			<u>Comp 4 @ 2'</u>		X			N	3	G			X						LAB TO COMPOSITE
		<u>1828</u>	SB-36 @ 0.5'		X			N	1	G	X								
		<u>1828</u>	SB-36 @ 0.5'		X			N	<u>2/3</u>	G									HOLD
		<u>1834</u>	SB-36 @ 2'		X			N	2	G									HOLD
		<u>1746</u>	SB-37 @ 0.5'		X			N	2	G									HOLD
		<u>1752</u>	SB-37 @ 2'		X			N	1	G	X								
		<u>1752</u>	SB-37 @ 2' DUP		X			N	1	G	X								
		<u>1752</u>	SB-37 @ 2'		X			N	2	G									HOLD
		<u>1747</u>	SB-38 @ 0.5'		X			N	2	G									HOLD

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/23/16</u>	Time: <u>9:15 PM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/16 @ 1:00</u>	Time:	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/23/16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 110521

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED
 PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 COOLER TEMP: 1.8°C
 SAMPLER NAME: SIGNATURE: <---PRESERVATION *
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal REMARKS:
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPs by EPA 8081A						SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/23/16</u>	<u>1751</u>	SB-38 @ 2'		X			N	2	G									HOLD
	<u>↓</u>	<u>1919</u>	EQ Blank 3	X				N		G	X	X							

Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/23/16</u>	Time: <u>9:15 PM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/24/16</u>	Time: <u>7:00</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



781 East Washington Blvd., Los Angeles, CA 90021
[213] 745-5312 FAX [213] 745-6372

June 07, 2016

Mr. Ben Chevlen
ATC Group Services LLC [Monterey Park]
25 Cupania Circle
Monterey Park, CA 91755

Report No.: 1605271

Project Name: Oxnard School District - 2200 Carnegie Court, Oxnard, CA /
1011600537

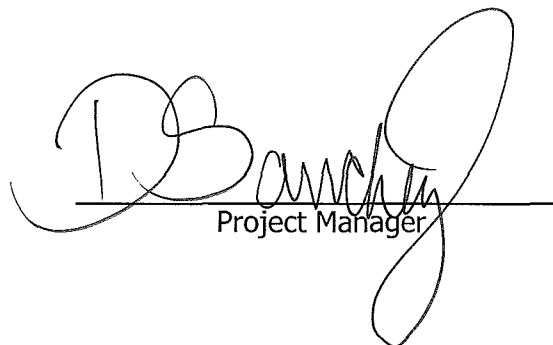
Dear Mr. Ben Chevlen,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on May 23, 2016.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.


Project Manager



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 2 of 12

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/07/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-28 @ 0.5' Soil (1605271-20) Sampled:05/23/16 15:37 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	76.9		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	50.9		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Toxaphene	218		1	ug/kg	120	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
<hr/>											
Surrogate: 2,4,5,6 Tetrachloro-m-xylol	77.4 %				55-126	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Surrogate: Decachlorobiphenyl	91.0 %				49-133	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730

Sample ID: SB-32 @ 0.5' Soil (1605271-24) Sampled:05/23/16 17:30 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	46.6		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	24.2		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730



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Page 3 of 12

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/07/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-32 @ 0.5' Soil (1605271-24)	Sampled:	05/23/16 17:30	Received:	05/23/16 21:15
Toxaphene	135	1	ug/kg	120	EPA 3546 EPA 8081A
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	83.0 %	55-126			EPA 3546 EPA 8081A
Surrogate: Decachlorobiphenyl	96.3 %	49-133			EPA 3546 EPA 8081A

Sample ID:	SB-33 @ 0.5' Soil (1605271-27)	Sampled:	05/23/16 19:00	Received:	05/23/16 21:15					
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-Chlordane	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	321		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	1460		10	ug/kg	160	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	2200		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan I	ND		10	ug/kg	160	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin	452		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND		10	ug/kg	400	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin aldehyde	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND		10	ug/kg	240	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor epoxide	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND		10	ug/kg	400	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Toxaphene	4250		10	ug/kg	1200	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	81.8 %			55-126		EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Surrogate: Decachlorobiphenyl	97.9 %			49-133		EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730

Sample ID:	SB-35 @ 2' Soil (1605271-28)	Sampled:	05/23/16 18:40	Received:	05/23/16 21:15					
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-Chlordane	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	352		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	1000		10	ug/kg	160	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	2440		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan I	ND		10	ug/kg	160	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin	370		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND		10	ug/kg	400	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730



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Page 4 of 12

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/07/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-35 @ 2' Soil (1605271-28) Sampled:05/23/16 18:40 Received:05/23/16 21:15											
Endrin aldehyde	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND		10	ug/kg	240	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor epoxide	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Toxaphene	5020		10	ug/kg	1200	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
<hr/>											
Surrogate: 2,4,5,6 Tetrachloro-m-xylol	85.9 %				55-126	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Surrogate: Decachlorobiphenyl	97.2 %				49-133	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730

Sample ID: SB-36 @ 0.5' Soil (1605271-32) Sampled:05/23/16 18:28 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	8.90		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	273		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	729		5	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	505		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	83.9		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin	70.1		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Toxaphene	1900		1	ug/kg	120	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
<hr/>										
Surrogate: 2,4,5,6 Tetrachloro-m-xylol	77.7 %				55-126	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Surrogate: Decachlorobiphenyl	96.6 %				49-133	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730

Sample ID: SB-27 @ 0.5' Soil (1605271-36) Sampled:05/23/16 15:55 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-Chlordane	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	185		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	1080		5	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	776		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730



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Page 5 of 12

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/07/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-27 @ 0.5' Soil (1605271-36) Sampled:05/23/16 15:55 Received:05/23/16 21:15											
Endosulfan I	ND		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND		5	ug/kg	200	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin aldehyde	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND		5	ug/kg	120	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor epoxide	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND		5	ug/kg	200	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Toxaphene	2880		5	ug/kg	600	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730

Surrogate: 2,4,5,6 Tetrachloro-m-xylol	105 %				55-126	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Surrogate: Decachlorobiphenyl	101 %				49-133	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730

Sample ID: SB-29 @ 0.5' Soil (1605271-37) Sampled:05/23/16 16:08 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-Chlordane	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	262		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	952		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	1130		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan I	ND		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin	186		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND		5	ug/kg	200	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin aldehyde	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND		5	ug/kg	120	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor epoxide	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND		5	ug/kg	200	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Toxaphene	3200		5	ug/kg	600	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730

Surrogate: 2,4,5,6 Tetrachloro-m-xylol	97.8 %				55-126	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Surrogate: Decachlorobiphenyl	119 %				49-133	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730

Sample ID: SB-30 @ 0.5' Soil (1605271-38) Sampled:05/23/16 16:26 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730



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Page 6 of 12

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/07/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-30 @ 0.5' Soil (1605271-38) Sampled:05/23/16 16:26 Received:05/23/16 21:15										
gamma-Chlordane	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	ND	1	ug/kg	16.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan I	ND	1	ug/kg	16.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin aldehyde	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND	1	ug/kg	24.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor epoxide	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Toxaphene	ND	1	ug/kg	120	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
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Surrogate: 2,4,5,6 Tetrachloro-m-xylene	81.6 %			55-126	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Surrogate: Decachlorobiphenyl	88.0 %			49-133	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730

Sample ID: SB-31 @ 0.5' Soil (1605271-39) Sampled:05/23/16 17:20 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-Chlordane	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	123		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	769		5	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	680		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan I	ND		5	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin	187		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND		5	ug/kg	200	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin aldehyde	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND		5	ug/kg	120	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor epoxide	ND		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND		5	ug/kg	200	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
Toxaphene	2800		5	ug/kg	600	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730
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Surrogate: 2,4,5,6 Tetrachloro-m-xylene	84.4 %			55-126	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Surrogate: Decachlorobiphenyl	105 %			49-133	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730

Sample ID: SB-33 @ 2' Soil (1605271-40) Sampled:05/23/16 19:04 Received:05/23/16 21:15										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/03/16	06/06/16	ai	BF60730



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Page 7 of 12

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/07/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-33 @ 2'	Soil (1605271-40)	Sampled:05/23/16 19:04	Received:05/23/16 21:15							
alpha-BHC	ND	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
beta-BHC	ND	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
delta-BHC	ND	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
gamma-BHC (Lindane)	ND	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
alpha-Chlordane	ND	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
gamma-Chlordane	ND	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
4,4'-DDD	279	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
4,4'-DDE	1180	10	ug/kg	160	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
4,4'-DDT	1550	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
Dieldrin	ND	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
Endosulfan I	ND	10	ug/kg	160	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
Endosulfan II	ND	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
Endosulfan sulfate	ND	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
Endrin	329	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
Technical Chlordane	ND	10	ug/kg	400	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
Endrin aldehyde	ND	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
Endrin ketone	ND	10	ug/kg	240	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
Heptachlor	ND	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
Heptachlor epoxide	ND	10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
Methoxychlor	ND	10	ug/kg	400	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
Toxaphene	3500	10	ug/kg	1200	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
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Surrogate: 2,4,5,6 Tetrachloro-m-xylol	76.0 %			55-126	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	
Surrogate: Decachlorobiphenyl	96.9 %			49-133	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	

Sample ID:	SB-34 @ 0.5'	Soil (1605271-41)	Sampled:05/23/16 18:44	Received:05/23/16 21:15							
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	431		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	1700		10	ug/kg	160	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	2780		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	85.4		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan I	ND		10	ug/kg	160	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin	536		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND		10	ug/kg	400	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin aldehyde	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND		10	ug/kg	240	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor epoxide	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Toxaphene	5200		10	ug/kg	1200	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
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Surrogate: 2,4,5,6 Tetrachloro-m-xylol	85.5 %			55-126	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730	



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Page 8 of 12

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/07/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-34 @ 0.5' Soil (1605271-41) Sampled:05/23/16 18:44 Received:05/23/16 21:15											
Surrogate: Decachlorobiphenyl		116 %			49-133	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Sample ID: SB-34 @ 2' Soil (1605271-42) Sampled:05/23/16 18:50 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	288		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	1430		10	ug/kg	160	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	1830		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan I	ND		10	ug/kg	160	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin	402		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND		10	ug/kg	400	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin aldehyde	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND		10	ug/kg	240	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor epoxide	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Toxaphene	4640		10	ug/kg	1200	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Surrogate: 2,4,5,6 Tetrachloro-m-xylol		97.3 %			55-126	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Surrogate: Decachlorobiphenyl		121 %			49-133	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Sample ID: SB-35 @ 0.5' Soil (1605271-43) Sampled:05/23/16 18:38 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-Chlordane	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	117		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	451		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	695		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan I	ND		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin	131		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND		5	ug/kg	200	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin aldehyde	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND		5	ug/kg	120	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730



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Page 9 of 12

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/07/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-35 @ 0.5' Soil (1605271-43) Sampled:05/23/16 18:38 Received:05/23/16 21:15											
Heptachlor epoxide	ND		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND		5	ug/kg	200	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Toxaphene	3220		5	ug/kg	600	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene 76.1 % 55-126 EPA 3546 EPA 8081A 06/03/16 06/06/16 ai BF60730</i>											
<i>Surrogate: Decachlorobiphenyl 99.8 % 49-133 EPA 3546 EPA 8081A 06/03/16 06/06/16 ai BF60730</i>											

Sample ID: SB-37 @ 0.5' Soil (1605271-44) Sampled:05/23/16 17:48 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-Chlordane	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	246		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	1380		10	ug/kg	160	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	1240		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	81.4		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan I	ND		10	ug/kg	160	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin	272		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND		10	ug/kg	400	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin aldehyde	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND		10	ug/kg	240	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor epoxide	ND		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND		10	ug/kg	400	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Toxaphene	2980		10	ug/kg	1200	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene 80.2 % 55-126 EPA 3546 EPA 8081A 06/03/16 06/06/16 ai BF60730</i>											
<i>Surrogate: Decachlorobiphenyl 96.6 % 49-133 EPA 3546 EPA 8081A 06/03/16 06/06/16 ai BF60730</i>											

Sample ID: SB-38 @ 0.5' Soil (1605271-45) Sampled:05/23/16 17:47 Received:05/23/16 21:15											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDD	22.0		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDE	404		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
4,4'-DDT	232		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 10 of 12

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/07/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-38 @ 0.5' Soil (1605271-45) Sampled:05/23/16 17:47 Received:05/23/16 21:15										
Endrin	28.0	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Technical Chlordane	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin aldehyde	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Endrin ketone	ND	1	ug/kg	24.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Heptachlor epoxide	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Methoxychlor	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
Toxaphene	347	1	ug/kg	120	EPA 3546	EPA 8081A	06/03/16	06/06/16	ai	BF60730
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylol</i>	<i>86.8 %</i>			<i>55-126</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/03/16</i>	<i>06/06/16</i>	<i>ai</i>	<i>BF60730</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>95.3 %</i>			<i>49-133</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/03/16</i>	<i>06/06/16</i>	<i>ai</i>	<i>BF60730</i>



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 11 of 12

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/07/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF60730 - EPA 3546										
Blank Prepared: 06/03/16 Analyzed: 06/06/16										
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4'-DDD	ND	2.00	ug/kg							
4,4'-DDE	ND	4.00	ug/kg							
4,4'-DDT	ND	2.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	6.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	10.0	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	13.8		ug/kg	16.67		83.1	55-126			
Surrogate: Decachlorobiphenyl	15.2		ug/kg	16.67		91.0	49-133			
LCS Prepared: 06/03/16 Analyzed: 06/06/16										
Aldrin	9.78	2.00	ug/kg	13.33		73.4	56-130			
gamma-BHC (Lindane)	10.8	2.00	ug/kg	13.33		80.7	56-133			
4,4'-DDT	14.5	2.00	ug/kg	13.33		109	56-133			
Dieldrin	12.5	2.00	ug/kg	13.33		93.6	62-119			
Endrin	14.7	2.00	ug/kg	13.33		110	59-127			
Heptachlor	12.4	2.00	ug/kg	13.33		92.6	55-110			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	13.0		ug/kg	16.67		78.2	54-108			
Surrogate: Decachlorobiphenyl	14.9		ug/kg	16.67		89.5	54-127			
Matrix Spike Source: 1605271-24 Prepared: 06/03/16 Analyzed: 06/06/16										
Aldrin	9.92	2.00	ug/kg	13.33	ND	74.4	39-124			
gamma-BHC (Lindane)	9.84	2.00	ug/kg	13.33	ND	73.8	44-120			
4,4'-DDT	52.5	2.00	ug/kg	33.33	24.2	84.7	48-150			
Dieldrin	29.6	2.00	ug/kg	33.33	ND	88.8	48-144			
Endrin	38.1	2.00	ug/kg	33.33	ND	114	54-149			



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 12 of 12

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/07/16
 Submitted: 05/23/16
PLS Report No.: 1605271

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF60730 - EPA 3546										
Heptachlor	10.6	2.00	ug/kg	13.33	ND	79.6	46-135			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	13.8		ug/kg	16.67		82.9	57-126			
Surrogate: Decachlorobiphenyl	16.8		ug/kg	16.67		101	43-136			
Matrix Spike Dup Source: 1605271-24 Prepared: 06/03/16 Analyzed: 06/06/16										
Aldrin	10.2	2.00	ug/kg	13.33	ND	76.6	39-124	3.01	30	
gamma-BHC (Lindane)	10.2	2.00	ug/kg	13.33	ND	76.5	44-120	3.66	30	
4,4'-DDT	59.7	2.00	ug/kg	33.33	24.2	107	48-150	22.8	30	
Dieldrin	30.4	2.00	ug/kg	33.33	ND	91.1	48-144	2.61	30	
Endrin	40.5	2.00	ug/kg	33.33	ND	122	54-149	6.08	30	
Heptachlor	11.2	2.00	ug/kg	13.33	ND	83.9	46-135	5.30	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	13.4		ug/kg	16.67		80.4	57-126			
Surrogate: Decachlorobiphenyl	16.9		ug/kg	16.67		102	43-136			

Notes and Definitions

- NA Not Applicable
- ND Analyte NOT DETECTED at or above the detection limit
- NR Not Reported
- MDL Method Detection Limit
- PQL Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Authorized Signature(s)



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/23/16
 FILE NO.:

PAGE: 1 OF 1
 LAB NO.: 109271

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____

ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 1.8°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION * _____

SAMPLER NAME: _____ SIGNATURE: _____

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPs by EPA 8081A							REMARKS: <u>⊗ Add ons 6/2/16 via e-mail RUSH TAT</u>
				WATER	SOIL	SLUDGE	OTHER		#	TYPE										
	<u>5/23/16</u>	<u>11:46</u>	SB-15 @ 0.5'		X			N	1	G		X								
		<u>18:25</u>	SB-16 @ 0.5'		X			N	1	G		X								
		<u>18:29</u>	SB-17 @ 0.5'		X			N	1	G		X								
		<u>18:29</u>	SB-17 @ 0.5' DUP		X			N	1	G		X								
		<u>18:25</u>	SB-18 @ 0.5'		X			N	1	G		X								
		<u>18:31</u>	SB-19 @ 0.5'		X			N	1	G		X								
		<u>18:09</u>	SB-20 @ 0.5'		X			N	1	G		X								
		<u>18:06</u>	SB-21 @ 0.5'		X			N	1	G		X								
		<u>18:04</u>	SB-22 @ 0.5'		X			N	1	G		X								
		<u>18:02</u>	SB-23 @ 0.5'		X			N	1	G		X								

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/23/16</u>	Time: <u>9:15 pm</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/23/16</u>	Time: <u>7:00 pm</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION: _____

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/23/16 PAGE: 1 OF 1
 FILE NO.: _____ LAB NO.: 10521

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 1.8°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <----PRESERVATION *
 SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCs by EPA 8081A						SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/23/16</u>	<u>1630</u>	SB-24 @ 0.5'		X			N	1	G		X							
		<u>1915</u>	EQ Blank 1	X				N				X							
		<u>1717</u>	SB-25 @ 0.5'		X			N	1	G		X							
		<u>1717</u>	SB-25 @ 0.5' DUP		X			N	1	G		X							
		<u>1722</u>	SB-26 @ 0.5'		X			N	1	G		X							
		<u>1924</u>	EQ Blank 2	X				N				X							
		<u>0820</u>	Temp Blank	X															

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/23/16</u> Time: <u>9:05 pm</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/16</u> Time: <u>@ 7:00</u>	
Relinquished by (Signature & Name): _____	Received by (Signature & Name): _____	Date: _____ Time: _____	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: _____ PAGE: 1 OF 1
 FILE NO.: _____ LAB NO.: 110991

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 18°C
 PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPs by EPA 8081A						SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/23/16</u>		Comp 1 @ 0.5'		X			N	3	G			X						LAB TO COMPOSITE
			Comp 1 @ 2'		X			N	3	G			X						LAB TO COMPOSITE
		<u>1555</u>	SB-27 @ 0.5'		X			N	2	G			⊗						HOLD
		<u>1558</u>	SB-27 @ 2'		X			N	1	G	X								
		<u>1558</u>	SB-27 @ 2'		X			N	2	G									HOLD
		<u>1537</u>	SB-28 @ 0.5'		X			N	1	G	X		⊗						
		<u>1537</u>	SB-28 @ 0.5'		X			N	2	G									HOLD
		<u>1542</u>	SB-28 @ 2'		X			N	2	G									HOLD
		<u>1608</u>	SB-29 @ 0.5'		X			N	2	G			⊗						HOLD
		<u>1614</u>	SB-29 @ 2'		X			N	2	G									HOLD

Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/23/16</u>	Time: <u>9:15 pm</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/24/16</u>	Time: <u>2:00</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 [213] 745-5312 FAX [213] 745-6372

DATE: 5/23/16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 10521

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 1.8°C
 PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 SAMPLER NAME: SIGNATURE: REMARKS:
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPS by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
	<u>5/23/16</u>		Comp 2 @ 0.5'		X			N	3	G			X					LAB TO COMPOSITE
			Comp 2 @ 2'		X			N	3	G			X					LAB TO COMPOSITE
		<u>16:26</u>	SB-30 @ 0.5'		X			N	2	G			X					HOLD
		<u>16:31</u>	SB-30 @ 2'		X			N	2	G								HOLD
		<u>17:20</u>	SB-31 @ 0.5'		X			N	2	G			X					HOLD
		<u>17:25</u>	SB-31 @ 2'		X			N	1	G	X							
		<u>17:25</u>	SB-31 @ 2'		X			N	2	G								HOLD
		<u>17:30</u>	SB-32 @ 0.5'		X			N	1	G	X		X					
		<u>17:30</u>	SB-32 @ 0.5'		X			N	2	G								HOLD
		<u>17:32</u>	SB-32 @ 2'		X			N	2	G								HOLD

Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/23/16</u>	Time: <u>9:15 pm</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/24/16</u>	Time: <u>7:00</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/23/16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 110921

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 1.8°C
 PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPs by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
	<u>5/23/16</u>		Comp 3 @ 0.5'		X			N	3	G			X					LAB TO COMPOSITE
			Comp 3 @ 2'		X			N	3	G			X					LAB TO COMPOSITE
		<u>1900</u>	SB-33 @ 0.5'		X			N	1	G	X		(X)	<u>27</u>				
		<u>1900</u>	SB-33 @ 0.5'		X			N	2	G								HOLD
		<u>1904</u>	SB-33 @ 2'		X			N	2	G			(X)	<u>40</u>				HOLD
		<u>1844</u>	SB-34 @ 0.5'		X			N	2	G			(X)	<u>41</u>				HOLD
		<u>1850</u>	SB-34 @ 2'		X			N	2	G			(X)	<u>42</u>				HOLD
		<u>1838</u>	SB-35 @ 0.5'		X			N	2	G			(X)	<u>43</u>				HOLD
		<u>1840</u>	SB-35 @ 2'		X			N	1	G	X		(X)	<u>44</u>				
		<u>1850</u>	SB-35 @ 2'		X			N	2	G			(X)					HOLD

Relinquished by (Signature & Name): [Signature] Received by (Signature & Name): [Signature] Date: 5/23/16 Time: 9:15 AM SAMPLE DISPOSITION
 Relinquished by (Signature & Name): [Signature] Received by (Signature & Name): [Signature] Date: _____ Time: _____ 1. Samples returned to client? Yes No
 Relinquished by (Signature & Name): _____ Received by (Signature & Name): [Signature] Date: 5/23/16 Time: 7:00 2. Samples will not be stored over 30 days,
 unless additional storage time is requested
 3. Storage time requested: _____ days,
 By: _____ Date: _____

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/23/16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1106921

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 1.8°C
 PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <----PRESERVATION *
 SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCFs by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
	<u>5/23/16</u>		Comp 4 @ 0.5'		X			N	3	G			X					LAB TO COMPOSITE
			<u>Comp 4 @ 0.5' Dup</u>		X			N	3	G			X					LAB TO COMPOSITE
			Comp 4 @ 2'		X			N	3	G			X					
		<u>1828</u>	SB-36 @ 0.5'		X			N	1	G	X		(X)					
		<u>1828</u>	SB-36 @ 0.5'		X			N	<u>2</u>	G								HOLD
		<u>1834</u>	SB-36 @ 2'		X			N	2	G								HOLD
		<u>1748</u>	SB-37 @ 0.5'		X			N	2	G			(X)					HOLD
		<u>1752</u>	SB-37 @ 2'		X			N	1	G	X							
		<u>1752</u>	SB-37 @ 2' DUP		X			N	1	G	X							
		<u>1752</u>	SB-37 @ 2'		X			N	2	G								HOLD
		<u>1747</u>	SB-38 @ 0.5'		X			N	2	G			(X)					HOLD

Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/23/16</u>	Time: <u>9:15 PM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/24/16 @ 7:00</u>	Time:	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/23/16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1605271

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 1.8°C
 PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPs by EPA 8081A						SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/23/16</u>	<u>1751</u>	SB-38 @ 2'		X			N	2	G									HOLD
	<u>↓</u>	<u>1919</u>	EQ Blank 3	X				N		G	X		X						

Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/23/16</u>	Time: <u>9:15 PM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/24/16 @</u>	Time: <u>7:00</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



781 East Washington Blvd., Los Angeles, CA 90021
[213] 745-5312 FAX [213] 745-6372

June 03, 2016

Mr. Ben Chevlen
ATC Group Services LLC [Monterey Park]
25 Cupania Circle
Monterey Park, CA 91755

Report No.: 1605283

Project Name: Oxnard School District - 2200 Carnegie Court, Oxnard, CA /
1011600537

Dear Mr. Ben Chevlen,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on May 24, 2016.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.



Project Manager



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 5 @ 0.5' Soil (1605283-01) Sampled: 05/24/16 00:00 Received: 05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	12.0		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-Chlordane	13.3		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	506		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDE	1780		50	ug/kg	200	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDT	1120		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
Dieldrin	66.5		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	223		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	2510		1	ug/kg	30.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>	<i>87.4 %</i>			<i>55-126</i>		<i>EPA 3546 EPA 8081A</i>	<i>05/25/16</i>	<i>05/26/16</i>	<i>ai</i>	<i>BE62621</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>96.2 %</i>			<i>49-133</i>		<i>EPA 3546 EPA 8081A</i>	<i>05/25/16</i>	<i>05/26/16</i>	<i>ai</i>	<i>BE62621</i>

Sample ID: COMP 5 @ 2' Soil (1605283-02) Sampled: 05/24/16 00:00 Received: 05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	10.8		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-Chlordane	13.7		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	415		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDE	1650		50	ug/kg	200	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDT	568		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
Dieldrin	67.6		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	84.7		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 3 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Cheven Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	COMP 5 @ 2' Soil (1605283-02)	Sampled:05/24/16 00:00	Received:05/24/16 21:40
Toxaphene	1540	1 ug/kg	30.0 EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	81.6 %	55-126	EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621
Surrogate: Decachlorobiphenyl	79.6 %	49-133	EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621

Sample ID:	COMP 6 @ 0.5' Soil (1605283-03)	Sampled:05/24/16 00:00	Received:05/24/16 21:40							
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	10.2		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-Chlordane	6.57		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	98.9		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDE	1170		50	ug/kg	200	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDT	1200		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
Dieldrin	17.9		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	240		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	2020		1	ug/kg	30.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	85.4 %			55-126		EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Surrogate: Decachlorobiphenyl	90.4 %			49-133		EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621

Sample ID:	COMP 6 @ 2' Soil (1605283-04)	Sampled:05/24/16 00:00	Received:05/24/16 21:40							
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	19.0		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-Chlordane	17.0		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	401		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDE	2100		50	ug/kg	200	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDT	1820		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
Dieldrin	67.1		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	356		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621



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Certificate of Analysis

Page 4 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 6 @ 2' Soil (1605283-04) Sampled:05/24/16 00:00 Received:05/24/16 21:40											
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	3040		1	ug/kg	30.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene 86.9 % 55-126 EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621</i>											
<i>Surrogate: Decachlorobiphenyl 88.5 % 49-133 EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621</i>											

Sample ID: COMP 6 @ 2' DUP Soil (1605283-05) Sampled:05/24/16 00:00 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	20.6		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-Chlordane	17.6		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	404		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDE	2110		50	ug/kg	200	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDT	1810		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
Dieldrin	78.1		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	366		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	3120		1	ug/kg	30.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene 86.8 % 55-126 EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621</i>										
<i>Surrogate: Decachlorobiphenyl 83.4 % 49-133 EPA 3546 EPA 8081A 05/25/16 05/26/16 ai BE62621</i>										

Sample ID: COMP 7 @ 0.5' Soil (1605283-06) Sampled:05/24/16 00:00 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	13.9		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-Chlordane	11.0		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	411		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/28/16	ai	BE62621
4,4'-DDE	1570		50	ug/kg	200	EPA 3546 EPA 8081A	05/25/16	05/28/16	ai	BE62621
4,4'-DDT	1070		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/28/16	ai	BE62621
Dieldrin	58.3		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621



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Page 5 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 7 @ 0.5' Soil (1605283-06) Sampled:05/24/16 00:00 Received:05/24/16 21:40										
Endosulfan I	ND	1	ug/kg	4.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	132	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Technical Chlordane	ND	1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND	1	ug/kg	6.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND	1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	1950	1	ug/kg	30.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621

Surrogate: 2,4,5,6 Tetrachloro-m-xylol	88.6 %			55-126	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Surrogate: Decachlorobiphenyl	87.5 %			49-133	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621

Sample ID: COMP 7 @ 2' Soil (1605283-07) Sampled:05/24/16 00:00 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	30.9		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-Chlordane	18.4		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	1100		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/28/16	ai	BE62621
4,4'-DDE	1940		50	ug/kg	200	EPA 3546 EPA 8081A	05/25/16	05/28/16	ai	BE62621
4,4'-DDT	477		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/28/16	ai	BE62621
Dieldrin	366		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/28/16	ai	BE62621
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	48.5		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	3120		1	ug/kg	30.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621

Surrogate: 2,4,5,6 Tetrachloro-m-xylol	83.8 %			55-126	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Surrogate: Decachlorobiphenyl	87.7 %			49-133	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621

Sample ID: COMP 8 @ 0.5' Soil (1605283-08) Sampled:05/24/16 00:00 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	20.9		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621



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Page 6 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 8 @ 0.5' Soil (1605283-08) Sampled:05/24/16 00:00 Received:05/24/16 21:40										
gamma-Chlordane	13.4	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	359	50	ug/kg	100	EPA 3546	EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDE	1390	50	ug/kg	200	EPA 3546	EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDT	703	50	ug/kg	100	EPA 3546	EPA 8081A	05/25/16	05/27/16	ai	BE62621
Dieldrin	42.1	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan I	ND	1	ug/kg	4.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	147	50	ug/kg	100	EPA 3546	EPA 8081A	05/25/16	05/27/16	ai	BE62621
Technical Chlordane	ND	1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND	1	ug/kg	6.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND	1	ug/kg	2.00	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND	1	ug/kg	10.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	2610	1	ug/kg	30.0	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	80.8 %			55-126	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Surrogate: Decachlorobiphenyl	76.5 %			49-133	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621

Sample ID: COMP 8 @ 2' Soil (1605283-09) Sampled:05/24/16 00:00 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
beta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
delta-BHC	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
alpha-Chlordane	12.1		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
gamma-Chlordane	8.93		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
4,4'-DDD	585		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDE	1260		50	ug/kg	200	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
4,4'-DDT	259		50	ug/kg	100	EPA 3546 EPA 8081A	05/25/16	05/27/16	ai	BE62621
Dieldrin	79.6		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin	82.5		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Toxaphene	1710		1	ug/kg	30.0	EPA 3546 EPA 8081A	05/25/16	05/26/16	ai	BE62621
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	93.7 %			55-126	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621
Surrogate: Decachlorobiphenyl	80.8 %			49-133	EPA 3546	EPA 8081A	05/25/16	05/26/16	ai	BE62621

Sample ID: EQ Blank 6 Water (1605283-10) Sampled:05/24/16 19:19 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/l	0.0100	EPA 3535A EPA 8081A	05/25/16	05/27/16	ai	BE62705



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Certificate of Analysis

Page 7 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	EQ Blank 6	Water	(1605283-10)	Sampled:05/24/16 19:19	Received:05/24/16 21:40					
alpha-BHC	ND	1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
beta-BHC	ND	1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
delta-BHC	ND	1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
gamma-BHC (Lindane)	ND	1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
alpha-Chlordane	ND	1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
gamma-Chlordane	ND	1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
4,4'-DDD	ND	1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
4,4'-DDE	ND	1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
4,4'-DDT	ND	1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Dieldrin	ND	1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endosulfan I	ND	1	ug/l	0.100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endosulfan II	ND	1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endosulfan sulfate	ND	1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endrin	ND	1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endrin aldehyde	ND	1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endrin ketone	ND	1	ug/l	0.100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Heptachlor	ND	1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Heptachlor epoxide	ND	1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Methoxychlor	ND	1	ug/l	0.500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Technical Chlordane	ND	1	ug/l	0.500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Toxaphene	ND	1	ug/l	1.00	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Surrogate: 2,4,5,6 Tetrachloro-m-xylene		79.2 %		36-114	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Surrogate: Decachlorobiphenyl		53.6 %		33-129	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705

Sample ID:	SB-69 @ 2'	Soil	(1605283-11)	Sampled:05/24/16 16:49	Received:05/24/16 21:40						
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
TPH C5 - C12	ND		1	mg/kg	0.500	EPA 5030B	EPA 8015M	05/25/16	05/25/16	lk	BE62626
Surrogate: a,a,a-Trifluorotoluene		107 %		65-131		EPA 5030B	EPA 8015M	05/25/16	05/25/16	lk	BE62626
TPH C13 - C22	ND		1	mg/kg	2.50	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
TPH C23 - C32	ND		1	mg/kg	100	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
Surrogate: n-Tetracosane		94.4 %		69-148		EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638



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Certificate of Analysis

Page 8 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-69 @ 2'	Soil	(1605283-11)	Sampled:	05/24/16 16:49	Received:	05/24/16 21:40			
cis-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Xylenes (total)	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638



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Certificate of Analysis

Page 9 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-69 @ 2' Soil (1605283-11) Sampled:05/24/16 16:49 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
1,2,4-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Naphthalene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Dibromofluoromethane	107 %			67-123		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Toluene-d8	99.5 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: 4-Bromofluorobenzene	99.1 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
N-Nitrosodimethylamine (NDMA)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyridine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aniline	ND		1	ug/kg	500	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,3-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,4-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzyl alcohol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroisopropyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachloroethane	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodi-n-propylamine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Nitrobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Isophorone	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitrophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dimethylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethoxy)methane	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzoic acid	ND		1	ug/kg	2000	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2,4-Trichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Naphthalene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloroaniline	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobutadiene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylnaphthalene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dichlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorocyclopentadiene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,6-Trichlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,5-Trichlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chloronaphthalene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitroaniline	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthylene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dimethyl phthalate	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dinitrotoluene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
3-Nitroaniline	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dichlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzofuran	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 10 of 86

ATC Group Services LLC [Monterey Park]
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 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
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Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-69 @ 2' Soil (1605283-11) Sampled: 05/24/16 16:49 Received: 05/24/16 21:40										
2,4-Dinitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluorene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chlorophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Diethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodiphenylamine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Diphenylhydrazine as Azobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Bromophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pentachlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenanthrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Anthracene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-butyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluoranthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzidine	ND	1	ug/kg	1000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Butyl benzyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3,3'-Dichlorobenzidine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) anthracene (1,2-Benzanthracene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Chrysene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-ethylhexyl)phthalate	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-octyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (b) fluoranthene (3,4-Benzofluoranthene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (k) fluoranthene (1,1,12-Benzofluoranthene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) pyrene (3,4-Benzopyrene)	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Indeno (1,2,3-cd) pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzo(a,h)anthracene (1,2,5,6-Dibenzanthracene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (g,h,i) perylene (1,12-Benzoperylene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorophenol	62.3 %			48-117	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Phenol-d5	69.9 %			46-129	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Nitrobenzene-d5	59.4 %			46-110	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorobiphenyl	72.3 %			49-108	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2,4,6-Tribromophenol	78.3 %			55-129	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Terphenyl-d14	71.4 %			58-135	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-Chlordane	8.13		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244



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Certificate of Analysis

Page 11 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-69 @ 2' Soil (1605283-11) Sampled:05/24/16 16:49 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
gamma-Chlordane	9.24		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
4,4'-DDD	28.8		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
4,4'-DDE	533		5	ug/kg	80.0	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
4,4'-DDT	303		5	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
Dieldrin	27.4		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin	140		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Toxaphene	1390		1	ug/kg	120	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
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Surrogate: 2,4,5,6 Tetrachloro-m-xylene	115 %			55-126		EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: Decachlorobiphenyl	131 %			49-133		EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
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Aroclor-1016	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1221	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1232	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1242	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1248	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1254	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1260	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1262	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
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Surrogate: 2,4,5,6 Tetrachloro-m-xylene	77.9 %			54-131		EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: Decachlorobiphenyl	114 %			53-131		EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
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Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Arsenic	3.38		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Barium	81.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cadmium	1.34		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Chromium	14.7		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cobalt	6.05		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Copper	12.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Lead	5.74		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Nickel	14.3		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Selenium	ND		1	mg/kg	2.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Vanadium	27.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Zinc	41.4		1	mg/kg	5.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
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Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	05/25/16	05/27/16	cg	BE62713



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Certificate of Analysis

Page 12 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-69 @ 2' Soil (1605283-11) Sampled: 05/24/16 16:49 Received: 05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
pH	7.6		1	pH Units	0.1	-	EPA 9045C	05/25/16	05/25/16	am	BE62622
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										
8310 PAH	See Attachment										
Asbestos	See Attachment										

Sample ID: SB-70 @ 2' Soil (1605283-12) Sampled: 05/24/16 17:03 Received: 05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C5 - C12	ND		1	mg/kg	0.500	EPA 5030B	EPA 8015M	05/25/16	05/25/16	lk	BE62626
Surrogate: a,a,a-Trifluorotoluene	99.7 %			65-131		EPA 5030B	EPA 8015M	05/25/16	05/25/16	lk	BE62626
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C13 - C22	ND		1	mg/kg	2.50	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
TPH C23 - C32	ND		1	mg/kg	100	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
Surrogate: n-Tetracosane	94.6 %			69-148		EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638



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Certificate of Analysis

Page 13 of 86

ATC Group Services LLC [Monterey Park]
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 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-70 @ 2 Soil (1605283-12) Sampled:05/24/16 17:03 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Methyl-2-pentanone (MIBK)	ND		1	ug/kg	40.0	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Toluene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Xylenes (total)	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Hexanone (MBK)	ND		1	ug/kg	40.0	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromochloromethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromoethane (EDB)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1,2-Tetrachloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Ethylbenzene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
m,p-Xylene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
o-Xylene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Styrene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromoform (Tribromomethane)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Isopropylbenzene (Cumene)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2,2-Tetrachloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichloropropane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Propylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chlorotoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Chlorotoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3,5-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
tert-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
sec-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Isopropyltoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Naphthalene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Dibromofluoromethane	111 %			67-123		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Toluene-d8	100 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: 4-Bromofluorobenzene	99.3 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
N-Nitrosodimethylamine (NDMA)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyridine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aniline	ND		1	ug/kg	500	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 14 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-70 @ 2' Soil (1605283-12) Sampled:05/24/16 17:03 Received:05/24/16 21:40										
Phenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,3-Dichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,4-Dichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Dichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzyl alcohol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroisopropyl)ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylphenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachloroethane	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodi-n-propylamine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Methylphenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Nitrobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Isophorone	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dimethylphenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethoxy)methane	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzolic acid	ND	1	ug/kg	2000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2,4-Trichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Naphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobutadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylnaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorocyclopentadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,6-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,5-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chloronaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthylene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dimethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzofuran	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluorene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chlorophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Diethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodiphenylamine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Diphenylhydrazine as Azobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Bromophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 15 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-70 @ 2 Soil (1605283-12) Sampled:05/24/16 17:03 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Pentachlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenanthrene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Anthracene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-butyl phthalate	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluoranthene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzydine	ND		1	ug/kg	1000	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyrene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Butyl benzyl phthalate	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
3,3'-Dichlorobenzidine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) anthracene (1,2-Benzanthracene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Chrysene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-ethylhexyl)phthalate	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-octyl phthalate	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (b) fluoranthene (3,4-Benzofluoranthene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (k) fluoranthene (11,12-Benzofluoranthene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) pyrene (3,4-Benzopyrene)	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Indeno (1,2,3-cd) pyrene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzo(a,h)anthracene (1,2,5,6-Dibenzanthracene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (g,h,i) perylene (1,12-Benzoperylene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorophenol	58.8 %			48-117		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Phenol-d5	68.6 %			46-129		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Nitrobenzene-d5	58.8 %			46-110		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorobiphenyl	72.1 %			49-108		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2,4,6-Tribromophenol	76.3 %			55-129		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Terphenyl-d14	70.9 %			58-135		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-Chlordane	14.5		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-Chlordane	15.3		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
4,4'-DDD	41.2		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
4,4'-DDE	1100		10	ug/kg	160	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
4,4'-DDT	503		10	ug/kg	80.0	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
Dieldrin	13.3		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin	231		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244



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Certificate of Analysis

Page 16 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-70 @ 2' Soil (1605283-12) Sampled:05/24/16 17:03 Received:05/24/16 21:40											
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Toxaphene	2200		1	ug/kg	120	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	112 %				55-126	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: Decachlorobiphenyl	137 %				49-133	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aroclor-1016	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1221	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1232	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1242	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1248	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1254	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1260	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1262	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	71.2 %				54-131	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: Decachlorobiphenyl	108 %				53-131	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Arsenic	3.34		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Barium	86.5		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cadmium	1.29		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Chromium	15.1		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cobalt	6.48		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Copper	13.3		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Lead	5.33		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Molybdenum	1.02		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Nickel	15.6		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Selenium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Vanadium	28.7		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Zinc	43.6		1	mg/kg	5.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/25/16	05/27/16	cg	BE62713
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
pH	7.7		1	pH Units	0.1	-	EPA 9045C	05/25/16	05/25/16	am	BE62622
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										
8310 PAH	See Attachment										
Asbestos	See Attachment										
Sample ID: SB-70 @ 2' DUP Soil (1605283-13) Sampled:05/24/16 17:03 Received:05/24/16 21:40											



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Certificate of Analysis

Page 17 of 86

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Attn: Mr. Ben Chevien Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-70 @ 2' DUP Soil (1605283-13) Sampled: 05/24/16 17:03 Received: 05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C5 - C12	ND		1	mg/kg	0.500	EPA 5030B	EPA 8015M	05/25/16	05/25/16	lk	BE62626
Surrogate: a,a,a-Trifluorotoluene	95.6 %			65-131		EPA 5030B	EPA 8015M	05/25/16	05/25/16	lk	BE62626
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C13 - C22	2.80		1	mg/kg	2.50	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
TPH C23 - C32	ND		1	mg/kg	100	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
Surrogate: n-Tetracosane	98.6 %			69-148		EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Methyl-2-pentanone (MIBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Toluene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Xylenes (total)	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Hexanone (MBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638



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Certificate of Analysis

Page 18 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID	SB-70 @ 2' DUP	Soil	(1605283-13)	Sampled: 05/24/16 17:03			Received: 05/24/16 21:40			
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Dibromofluoromethane	106 %			67-123	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Toluene-d8	99.3 %			80-120	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: 4-Bromofluorobenzene	101 %			80-120	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
N-Nitrosodimethylamine (NDMA)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyridine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aniline	ND		1	ug/kg	500	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,3-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,4-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzyl alcohol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroisopropyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachloroethane	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodi-n-propylamine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Nitrobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130



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 [213] 745-5312 FAX [213] 745-6372

Certificate of Analysis

Page 19 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-70 @ 2' DUP	Soil	(1605283-13)	Sampled:	05/24/16 17:03	Received:	05/24/16 21:40			
Isophorone	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dimethylphenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethoxy)methane	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzoic acid	ND	1	ug/kg	2000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2,4-Trichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Naphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobutadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylnaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorocyclopentadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,6-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,5-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chloronaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthylene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dimethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzofuran	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluorene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chlorophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Diethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodiphenylamine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Diphenylhydrazine as Azobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Bromophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pentachlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenanthrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Anthracene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-butyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluoranthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzidine	ND	1	ug/kg	1000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Butyl benzyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3,3'-Dichlorobenzidine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) anthracene (1,2-Benzanthracene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Chrysene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 20 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-70 @ 2' DUP Soil (1605283-13) Sampled:05/24/16 17:03 Received:05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Bis(2-ethylhexyl)phthalate	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Di-n-octyl phthalate	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Benzo (b) fluoranthene (3,4-Benzofluoranthene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Benzo (k) fluoranthene (11,12-Benzofluoranthene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Benzo (a) pyrene (3,4-Benzopyrene)	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Indeno (1,2,3-cd) pyrene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Dibenzo(a,h)anthracene (1,2,5,6-Dibenzanthracene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Benzo (g,h,i) perylene (1,12-Benzoperylene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Surrogate: 2-Fluorophenol	64.2 %				48-117	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Surrogate: Phenol-d5	70.5 %				46-129	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Surrogate: Nitrobenzene-d5	62.3 %				46-110	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Surrogate: 2-Fluorobiphenyl	72.7 %				49-108	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Surrogate: 2,4,6-Tribromophenol	79.6 %				55-129	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Surrogate: Terphenyl-d14	73.7 %				58-135	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
alpha-Chlordane	11.3		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
gamma-Chlordane	9.42		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
4,4'-DDD	48.8		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
4,4'-DDE	1160		10	ug/kg	160	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244	
4,4'-DDT	584		10	ug/kg	80.0	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244	
Dieldrin	17.2		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Endrin	207		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Toxaphene	2100		1	ug/kg	120	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	113 %				55-126	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Surrogate: Decachlorobiphenyl	138 %				49-133	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Aroclor-1016	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1221	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1232	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1242	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1248	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	



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Certificate of Analysis

Page 21 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-70 @ 2' DUP Soil (1605283-13) Sampled: 05/24/16 17:03 Received: 05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aroclor-1254	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1260	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1262	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	72.2 %				54-131	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: Decachlorobiphenyl	98.1 %				53-131	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Arsenic	3.25		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Barium	91.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cadmium	1.36		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Chromium	16.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cobalt	6.69		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Copper	15.6		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Lead	6.53		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Nickel	16.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Selenium	ND		1	mg/kg	2.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Vanadium	30.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Zinc	48.2		1	mg/kg	5.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
pH	7.6		1	pH Units	0.1	EPA 9045C	05/25/16	05/25/16	am	BE62622
EPA 8141A Organo Pesticides	See Attachment									
EPA 8151A Herbicides	See Attachment									
8310 PAH	See Attachment									
Asbestos	See Attachment									
Sample ID: SB-71 @ 2' Soil (1605283-14) Sampled: 05/24/16 17:35 Received: 05/24/16 21:40										
TPH C5 - C12	ND		1	mg/kg	0.500	EPA 5030B EPA 8015M	05/25/16	05/25/16	lk	BE62626
Surrogate: a,a,a-Trifluorotoluene	92.9 %				65-131	EPA 5030B EPA 8015M	05/25/16	05/25/16	lk	BE62626
TPH C13 - C22	ND		1	mg/kg	2.50	EPA 3550C EPA 8015M	05/25/16	05/26/16	lk	BE62635
TPH C23 - C32	ND		1	mg/kg	100	EPA 3550C EPA 8015M	05/25/16	05/26/16	lk	BE62635
Surrogate: n-Tetracosane	90.0 %				69-148	EPA 3550C EPA 8015M	05/25/16	05/26/16	lk	BE62635
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloromethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638



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Certificate of Analysis

Page 22 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-71 @ 2'	Soil (1605283-14)	Sampled:05/24/16 17:35	Received:05/24/16 21:40						
Bromomethane (Methyl bromide)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichlorofluoromethane (FC-11)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Acetone	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon disulfide	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methylene chloride (Dichloromethane)	ND	1	ug/kg	20.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methyl tert-butyl ether (MTBE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl acetate	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Xylenes (total)	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638



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Certificate of Analysis

Page 23 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
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PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-71 @ 2'	Soil	(1605283-14)	Sampled:05/24/16 17:35	Received:05/24/16 21:40						
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
<i>Surrogate: Dibromofluoromethane</i>		<i>112 %</i>		<i>67-123</i>	<i>EPA 5035</i>	<i>EPA 8260B</i>	<i>05/25/16</i>	<i>05/25/16</i>	<i>mb</i>	<i>BE62638</i>	
<i>Surrogate: Toluene-d8</i>		<i>95.9 %</i>		<i>80-120</i>	<i>EPA 5035</i>	<i>EPA 8260B</i>	<i>05/25/16</i>	<i>05/25/16</i>	<i>mb</i>	<i>BE62638</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>101 %</i>		<i>80-120</i>	<i>EPA 5035</i>	<i>EPA 8260B</i>	<i>05/25/16</i>	<i>05/25/16</i>	<i>mb</i>	<i>BE62638</i>	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
N-Nitrosodimethylamine (NDMA)	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyridine	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aniline	ND		1	ug/kg	500	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethyl)ether	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenol	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chlorophenol	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,3-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,4-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzyl alcohol	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroisopropyl)ether	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylphenol	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachloroethane	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodi-n-propylamine	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Methylphenol	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Nitrobenzene	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Isophorone	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitrophenol	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dimethylphenol	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethoxy)methane	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzoic acid	ND		1	ug/kg	2000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2,4-Trichlorobenzene	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Naphthalene	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloroaniline	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobutadiene	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylnaphthalene	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dichlorophenol	ND		1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 24 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-71 @ 2'	Soil (1605283-14)	Sampled: 05/24/16 17:35	Received: 05/24/16 21:40						
Hexachlorocyclopentadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,6-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,5-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chloronaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthylene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dimethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzofuran	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluorene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chlorophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Diethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodiphenylamine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Diphenylhydrazine as Azobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Bromophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pentachlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenanthrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Anthracene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-butyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluoranthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo(a)pyrene	ND	1	ug/kg	1000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Butyl benzyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3,3'-Dichlorobenzidine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo(a)anthracene (1,2-Benzanthracene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Chrysene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-ethylhexyl)phthalate	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-octyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo(b)fluoranthene (3,4-Benzofluoranthene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo(k)fluoranthene (11,12-Benzofluoranthene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo(a)pyrene (3,4-Benzopyrene)	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Indeno(1,2,3-cd)pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzo(a,h)anthracene (1,2,5,6-Dibenzanthracene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo(g,h,i)perylene (1,12-Benzoperylene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorophenol	59.8 %		48-117		EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Phenol-d5	68.5 %		46-129		EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 25 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-71 @ 2 Soil (1605283-14) Sampled: 05/24/16 17:35 Received: 05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Surrogate: Nitrobenzene-d5	59.5 %			46-110		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorobiphenyl	72.2 %			49-108		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2,4,6-Tribromophenol	77.6 %			55-129		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Terphenyl-d4	74.2 %			58-135		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
alpha-Chlordane	29.4		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-Chlordane	21.9		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
4,4'-DDD	133		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
4,4'-DDE	2910		20	ug/kg	320	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
4,4'-DDT	2450		20	ug/kg	160	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
Dieldrin	44.6		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin	698		20	ug/kg	160	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Toxaphene	6120		1	ug/kg	120	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	116 %			55-126		EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: Decachlorobiphenyl	144 %			49-133		EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Aroclor-1016	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1221	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1232	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1242	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1248	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1254	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1260	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1262	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	87.0 %			54-131		EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: Decachlorobiphenyl	138 %			53-131		EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Arsenic	3.22		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Barium	85.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cadmium	1.33		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Chromium	15.7		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547



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 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 26 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-71 @ 2' Soil (1605283-14) Sampled:05/24/16 17:35 Received:05/24/16 21:40											
Cobalt	5.92		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Copper	14.6		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Lead	6.59		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Nickel	14.3		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Selenium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Vanadium	28.3		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Zinc	46.2		1	mg/kg	5.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/25/16	05/27/16	cg	BE62713
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
pH	7.7		1	pH Units	0.1	-	EPA 9045C	05/25/16	05/25/16	am	BE62622
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										
8310 PAH	See Attachment										
Asbestos	See Attachment										

Sample ID: SB-72 @ 2' Soil (1605283-15) Sampled:05/24/16 17:51 Received:05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C5 - C12	ND		1	mg/kg	0.500	EPA 5030B	EPA 8015M	05/25/16	05/25/16	lk	BE62626
Surrogate: a,a,a-Trifluorotoluene	95.4 %			65-131		EPA 5030B	EPA 8015M	05/25/16	05/25/16	lk	BE62626
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C13 - C22	ND		1	mg/kg	2.50	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
TPH C23 - C32	ND		1	mg/kg	100	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
Surrogate: n-Tetracosane	99.2 %			69-148		EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 27 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
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Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-72 @ 2'	Soil (1605283-15)	Sampled: 05/24/16 17:51	Received: 05/24/16 21:40							
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Xylenes (total)	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638	



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Certificate of Analysis

Page 28 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-72 @ 2' Soil (1605283-15) Sampled: 05/24/16 17:51 Received: 05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Naphthalene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Dibromofluoromethane	111 %			67-123		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Toluene-d8	98.9 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: 4-Bromofluorobenzene	101 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
N-Nitrosodimethylamine (NDMA)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyridine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aniline	ND		1	ug/kg	500	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,3-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,4-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzyl alcohol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroisopropyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachloroethane	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodi-n-propylamine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Nitrobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Isophorone	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitrophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dimethylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethoxy)methane	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzoic acid	ND		1	ug/kg	2000	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2,4-Trichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Naphthalene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloroaniline	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobutadiene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylnaphthalene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dichlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorocyclopentadiene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,6-Trichlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,5-Trichlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chloronaphthalene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitroaniline	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthylene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dimethyl phthalate	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dinitrotoluene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
3-Nitroaniline	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzofuran	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dichlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 29 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-72 @ 2' Soil (1605283-15) Sampled:05/24/16 17:51 Received:05/24/16 21:40										
2,4-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluorene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chlorophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Diethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodiphenylamine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Diphenylhydrazine as Azobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Bromophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pentachlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenanthrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Anthracene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-butyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluoranthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzidine	ND	1	ug/kg	1000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Butyl benzyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3,3'-Dichlorobenzidine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) anthracene (1,2-Benzanthracene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Chrysene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-ethylhexyl)phthalate	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-octyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (b) fluoranthene (3,4-Benzofluoranthene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (k) fluoranthene (11,12-Benzofluoranthene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) pyrene (3,4-Benzopyrene)	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Indeno (1,2,3-cd) pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzo(a,h)anthracene (1,2,5,6-Dibenzanthracene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (g,h,i) perylene (1,12-Benzoperylene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorophenol	61.7 %			48-117	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Phenol-d5	68.4 %			46-129	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Nitrobenzene-d5	59.8 %			46-110	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorobiphenyl	71.9 %			49-108	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2,4,6-Tribromophenol	76.4 %			55-129	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Terphenyl-d14	71.2 %			58-135	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-Chlordane	14.3		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-Chlordane	21.9		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244



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Certificate of Analysis

Page 30 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-72 @ 2' Soil (1605283-15) Sampled:05/24/16 17:51 Received:05/24/16 21:40											
4,4'-DDD	136		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
4,4'-DDE	1130		20	ug/kg	320	EPA 3546	EPA 8081A	05/26/16	06/01/16	ai	BF60244
4,4'-DDT	1950		20	ug/kg	160	EPA 3546	EPA 8081A	05/26/16	06/01/16	ai	BF60244
Dieldrin	29.3		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin	251		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Toxaphene	7300		1	ug/kg	120	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: 2,4,5,6 Tetrachloro-m-xylol	128 %				55-126	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: Decachlorobiphenyl	152 %				49-133	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aroclor-1016	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1221	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1232	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1242	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1248	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1254	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1260	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1262	ND		1	ug/kg	50.0	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: 2,4,5,6 Tetrachloro-m-xylol	69.9 %				54-131	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: Decachlorobiphenyl	119 %				53-131	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	2.50	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Arsenic	3.29		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Barium	86.5		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Beryllium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cadmium	1.44		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Chromium	15.8		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cobalt	5.97		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Copper	14.9		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Lead	7.60		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Nickel	14.4		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Selenium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Vanadium	28.0		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Zinc	59.7		1	mg/kg	5.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/25/16	05/27/16	cg	BE62713



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Certificate of Analysis

Page 31 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-72 @ 2' Soil (1605283-15) Sampled:05/24/16 17:51 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
pH	7.6		1	pH Units	0.1	- EPA 9045C	05/25/16	05/25/16	am	BE62622
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment									
EPA 8151A Herbicides	See Attachment									
8310 PAH	See Attachment									
Asbestos	See Attachment									

Sample ID: SB-73 @ 2' Soil (1605283-16) Sampled:05/24/16 15:37 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
TPH C5 - C12	ND		1	mg/kg	0.500	EPA 5030B EPA 8015M	05/25/16	05/25/16	lk	BE62626
Surrogate: a,a,a-Trifluorotoluene	110 %			65-131		EPA 5030B EPA 8015M	05/25/16	05/25/16	lk	BE62626
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
TPH C13 - C22	ND		1	mg/kg	2.50	EPA 3550C EPA 8015M	05/25/16	05/26/16	lk	BE62635
TPH C23 - C32	ND		1	mg/kg	100	EPA 3550C EPA 8015M	05/25/16	05/26/16	lk	BE62635
Surrogate: n-Tetracosane	84.3 %			69-148		EPA 3550C EPA 8015M	05/25/16	05/26/16	lk	BE62635
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloromethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Acetone	ND		1	ug/kg	80.0	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroform	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Benzene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638



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Certificate of Analysis

Page 32 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-73 @ 2' Soil (1605283-16) Sampled:05/24/16 15:37 Received:05/24/16 21:40										
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Xylenes (total)	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Hexachlorobutadiene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Naphthalene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Dibromofluoromethane	116 %			67-123	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Toluene-d8	96.3 %			80-120	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: 4-Bromofluorobenzene	99.1 %			80-120	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
N-Nitrosodimethylamine (NDMA)	ND			1	ug/kg	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyridine	ND			1	ug/kg	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aniline	ND			1	ug/kg	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethyl)ether	ND			1	ug/kg	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-73 @ 2'	Soil	(1605283-16)	Sampled:	05/24/16 15:37	Received:	05/24/16 21:40			
Phenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,3-Dichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,4-Dichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Dichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzyl alcohol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroisopropyl)ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylphenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachloroethane	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodi-n-propylamine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Methylphenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Nitrobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Isophorone	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dimethylphenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethoxy)methane	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzoic acid	ND	1	ug/kg	2000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2,4-Trichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Naphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobutadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylnaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorocyclopentadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,6-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,5-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chloronaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthylene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dimethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzofuran	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluorene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chlorophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Diethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodiphenylamine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Diphenylhydrazine as Azobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Bromophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130



781 East Washington Blvd., Los Angeles, CA 90021
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Certificate of Analysis

Page 34 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-73 @ 2' Soil (1605283-16) Sampled: 05/24/16 15:37 Received: 05/24/16 21:40										
Pentachlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenanthrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Anthracene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-butyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluoranthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzidine	ND	1	ug/kg	1000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Butyl benzyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3,3'-Dichlorobenzidine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) anthracene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
(1,2-Benzanthracene)										
Chrysene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-ethylhexyl)phthalate	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-octyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (b) fluoranthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
(3,4-Benzofluoranthene)										
Benzo (k) fluoranthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
(1,1,12-Benzofluoranthene)										
Benzo (a) pyrene (3,4-Benzopyrene)	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Indeno (1,2,3-cd) pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzo(a,h)anthracene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
(1,2,5,6-Dibenzanthracene)										
Benzo (g,h,i) perylene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
(1,12-Benzoperylene)										

Surrogate: 2-Fluorophenol	51.4 %			48-117	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Phenol-d5	63.5 %			46-129	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Nitrobenzene-d5	52.2 %			46-110	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorobiphenyl	69.2 %			49-108	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2,4,6-Tribromophenol	75.0 %			55-129	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Terphenyl-d14	69.8 %			58-135	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-Chlordane	8.89		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-Chlordane	9.80		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
4,4'-DDD	89.2		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
4,4'-DDE	648		10	ug/kg	160	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
4,4'-DDT	856		10	ug/kg	80.0	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
Dieldrin	34.9		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin	209		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244



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Certificate of Analysis

Page 35 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-73 @ 2' Soil (1605283-16) Sampled:05/24/16 15:37 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Toxaphene	4510		1	ug/kg	120	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	104 %			55-126		EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: Decachlorobiphenyl	140 %			49-133		EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Aroclor-1016	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1221	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1232	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1242	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1248	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1254	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1260	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1262	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	95.9 %			54-131		EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: Decachlorobiphenyl	132 %			53-131		EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Arsenic	2.97		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Barium	78.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cadmium	1.12		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Chromium	14.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cobalt	5.55		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Copper	12.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Lead	5.68		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Nickel	13.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Selenium	ND		1	mg/kg	2.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Vanadium	27.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Zinc	57.5		1	mg/kg	5.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	05/25/16	05/27/16	cg	BE62713
pH	7.4		1	pH Units	0.1	- EPA 9045C	05/25/16	05/25/16	am	BE62622
EPA 8141A Organo Pesticides	See Attachment									
EPA 8151A Herbicides	See Attachment									
8310 PAH	See Attachment									
Asbestos	See Attachment									

Sample ID: SB-74 @ 2' Soil (1605283-17) Sampled:05/24/16 15:49 Received:05/24/16 21:40



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Certificate of Analysis

Page 36 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-74 @ 2' Soil (1605283-17) Sampled: 05/24/16 15:49 Received: 05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C5 - C12	ND		1	mg/kg	0.500	EPA 5030B	EPA 8015M	05/25/16	05/25/16	lk	BE62626
Surrogate: a,a,a-Trifluorotoluene	89.6 %			65-131		EPA 5030B	EPA 8015M	05/25/16	05/25/16	lk	BE62626
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C13 - C22	ND		1	mg/kg	2.50	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
TPH C23 - C32	ND		1	mg/kg	100	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
Surrogate: n-Tetracosane	80.7 %			69-148		EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Methyl-2-pentanone (MIBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Toluene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Xylenes (total)	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Hexanone (MBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638



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Page 37 of 86

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Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-74 @ 2' Soil (1605283-17) Sampled:05/24/16 15:49 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
1,2-Dibromoethane (EDB)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1,2-Tetrachloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Ethylbenzene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
m,p-Xylene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
o-Xylene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Styrene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromoform (Tribromomethane)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Isopropylbenzene (Cumene)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1,2-Tetrachloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichloropropane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Propylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chlorotoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Chlorotoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3,5-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
tert-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
sec-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Isopropyltoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Naphthalene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Dibromofluoromethane	105 %			67-123		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Toluene-d8	97.5 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: 4-Bromofluorobenzene	99.9 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
N-Nitrosodimethylamine (NDMA)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyridine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aniline	ND		1	ug/kg	500	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,3-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,4-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzyl alcohol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroisopropyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachloroethane	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodi-n-propylamine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Nitrobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 38 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-74 @ 2'	Soil:	(1605283-17)	Sampled:	05/24/16 15:49	Received:	05/24/16 21:40			
Isophorone	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dimethylphenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethoxy)methane	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzoic acid	ND	1	ug/kg	2000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2,4-Trichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Naphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobutadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylnaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorocyclopentadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,6-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,5-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chloronaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthylene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dimethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzofuran	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluorene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chlorophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Diethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodiphenylamine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Diphenylhydrazine as Azobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Bromophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pentachlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenanthrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Anthracene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-butyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluoranthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzidine	ND	1	ug/kg	1000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Butyl benzy phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3,3'-Dichlorobenzidine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) anthracene (1,2-Benzanthracene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Chrysene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Page 39 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-74 @ 2' Soil (1605283-17) Sampled: 05/24/16 15:49 Received: 05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Bis(2-ethylhexyl)phthalate	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-octyl phthalate	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (b) fluoranthene (3,4-Benzofluoranthene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (k) fluoranthene (1,12-Benzofluoranthene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) pyrene (3,4-Benzopyrene)	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Indeno (1,2,3-cd) pyrene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzo(a,h)anthracene (1,2,5,6-Dibenzanthracene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (g,h,i) perylene (1,12-Benzoperylene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorophenol	58.6 %			48-117		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Phenol-d5	67.0 %			46-129		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Nitrobenzene-d5	56.9 %			46-110		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorobiphenyl	69.3 %			49-108		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2,4,6-Tribromophenol	85.2 %			55-129		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Terphenyl-d14	74.1 %			58-135		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-Chlordane	10.2		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-Chlordane	14.2		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
4,4'-DDD	287		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
4,4'-DDE	720		5	ug/kg	80.0	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
4,4'-DDT	330		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Dieldrin	79.8		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin	47.7		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Toxaphene	1490		1	ug/kg	120	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: 2,4,5,6 Tetrachloro-m-xylol	108 %			55-126		EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: Decachlorobiphenyl	132 %			49-133		EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Aroclor-1016	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1221	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1232	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1242	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1248	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301



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Certificate of Analysis

Page 40 of 86

ATC Group Services LLC [Monterey Park]
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 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
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PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-74 @ 2' Soil (1605283-17) Sampled: 05/24/16 15:49 Received: 05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aroclor-1254	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1260	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1262	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: 2,4,5,6 Tetrachloro-m-xylol	88.5 %			54-131		EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: Decachlorobiphenyl	108 %			53-131		EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Arsenic	2.87		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Barium	89.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cadmium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Chromium	11.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cobalt	4.77		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Copper	12.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Lead	13.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Nickel	11.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Selenium	ND		1	mg/kg	2.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Vanadium	22.4		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Zinc	50.8		1	mg/kg	5.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	05/25/16	05/27/16	cg	BE62713
pH	7.8		1	pH Units	0.1	- EPA 9045C	05/25/16	05/25/16	am	BE62622
EPA 8141A Organo Pesticides	See Attachment									
EPA 8151A Herbicides	See Attachment									
8310 PAH	See Attachment									
Asbestos	See Attachment									
Sample ID: SB-75 @ 2' Soil (1605283-18) Sampled: 05/24/16 16:16 Received: 05/24/16 21:40										
TPH C5 - C12	ND		1	mg/kg	0.500	EPA 5030B EPA 8015M	05/25/16	05/25/16	lk	BE62626
Surrogate: a,a,a-Trifluorotoluene	102 %			65-131		EPA 5030B EPA 8015M	05/25/16	05/25/16	lk	BE62626
TPH C13 - C22	ND		1	mg/kg	2.50	EPA 3550C EPA 8015M	05/25/16	05/26/16	lk	BE62635
TPH C23 - C32	ND		1	mg/kg	1.00	EPA 3550C EPA 8015M	05/25/16	05/26/16	lk	BE62635
Surrogate: n-Tetracosane	84.4 %			69-148		EPA 3550C EPA 8015M	05/25/16	05/26/16	lk	BE62635
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloromethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638



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 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 41 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-75 @ 2' Soil (1605283-18) Sampled: 05/24/16 16:16 Received: 05/24/16 21:40									
Bromomethane (Methyl bromide)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Chloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Trichlorofluoromethane (FC-11)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Acetone	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Carbon disulfide	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
1,1-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Methylene chloride (Dichloromethane)	ND	1	ug/kg	20.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
trans-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Methyl tert-butyl ether (MTBE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
1,1-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Vinyl acetate	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
2,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
cis-1,2-Dichloroethene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Xylenes (total)	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb BE62638



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Certificate of Analysis

Page 42 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-75 @ 2' Soil (1605283-18) Sampled: 05/24/16 16:16 Received: 05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
2-Chlorotoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Chlorotoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3,5-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
tert-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
sec-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Isopropyltoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Naphthalene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Dibromofluoromethane	107 %			67-123		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Toluene-d8	96.9 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: 4-Bromofluorobenzene	98.3 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
N-Nitrosodimethylamine (NDMA)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyridine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aniline	ND		1	ug/kg	500	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,3-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,4-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzyl alcohol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroisopropyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachloroethane	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodi-n-propylamine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Nitrobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Isophorone	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitrophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dimethylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethoxy)methane	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzoic acid	ND		1	ug/kg	2000	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2,4-Trichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Naphthalene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloroaniline	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobutadiene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloro-3-methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
(p-Chloro-m-cresol)										
2-Methylnaphthalene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dichlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 43 of 86

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File #:73399
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PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-75 @ 2'	Soil (1605283-18)	Sampled:05/24/16 16:16	Received:05/24/16 21:40						
Hexachlorocyclopentadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,6-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,5-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chloronaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthylene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dimethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzofuran	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluorene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chlorophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Diethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodiphenylamine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Diphenylhydrazine as Azobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Bromophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pentachlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenanthrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Anthracene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-butyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluoranthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzidine	ND	1	ug/kg	1000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Butyl benzyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3,3'-Dichlorobenzidine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) anthracene (1,2-Benzanthracene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Chrysene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-ethylhexyl)phthalate	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-octyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (b) fluoranthene (3,4-Benzofluoranthene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (k) fluoranthene (1,12-Benzofluoranthene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) pyrene (3,4-Benzopyrene)	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Indeno (1,2,3-cd) pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzo(a,h)anthracene (1,2,5,6-Dibenzanthracene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (g,h,i) perylene (1,12-Benzoperylene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorophenol	60.1 %		48-117		EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Phenol-d5	67.2 %		46-129		EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 44 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-75 @ 2' Soil (1605283-18) Sampled:05/24/16 16:16 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Surrogate: Nitrobenzene-d5	58.7 %			46-110		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorobiphenyl	70.0 %			49-108		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2,4,6-Tribromophenol	77.7 %			55-129		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Terphenyl-d4	72.1 %			58-135		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-Chlordane	25.5		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-Chlordane	18.7		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
4,4'-DDD	765		5	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
4,4'-DDE	1400		5	ug/kg	80.0	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
4,4'-DDT	280		5	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
Dieldrin	243		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin	46.3		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Toxaphene	3460		1	ug/kg	120	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	116 %			55-126		EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
Surrogate: Decachlorobiphenyl	145 %			49-133		EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
Aroclor-1016	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1221	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1232	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1242	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1248	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1254	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1260	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1262	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	96.9 %			54-131		EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: Decachlorobiphenyl	109 %			53-131		EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Arsenic	3.32		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Barium	79.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cadmium	1.33		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Chromium	15.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547



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 [213] 745-5312 FAX [213] 745-6372

Certificate of Analysis

Page 45 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-75 @ 2' Soil (1605283-18) Sampled:05/24/16 16:16 Received:05/24/16 21:40											
Cobalt	5.90		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Copper	13.2		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Lead	6.81		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Nickel	14.6		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Selenium	ND		1	mg/kg	2.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Silver	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Thallium	ND		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Vanadium	26.9		1	mg/kg	1.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Zinc	47.4		1	mg/kg	5.00	EPA 3050B	EPA 6010B	05/25/16	05/25/16	CG	BE62547
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Mercury	ND		1	mg/kg	0.100	EPA 7471A	EPA 7471A	05/25/16	05/27/16	cg	BE62713
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
pH	7.8		1	pH Units	0.1	-	EPA 9045C	05/25/16	05/25/16	am	BE62622
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										
8310 PAH	See Attachment										
Asbestos	See Attachment										

Sample ID: SB-76 @ 2' Soil (1605283-19) Sampled:05/24/16 18:07 Received:05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
TPH C5 - C12	ND		1	mg/kg	0.500	EPA 5030B	EPA 8015M	05/25/16	05/25/16	lk	BE62626
Surrogate: a,a,a-Trifluorotoluene	93.8 %			65-131		EPA 5030B	EPA 8015M	05/25/16	05/25/16	lk	BE62626
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
TPH C13 - C22	2.57		1	mg/kg	2.50	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
TPH C23 - C32	ND		1	mg/kg	100	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
Surrogate: n-Tetracosane	88.1 %			69-148		EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638



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Certificate of Analysis

Page 46 of 86

ATC Group Services LLC [Monterey Park]
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 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-76 @ 2' Soil	(1605283-19)	Sampled:05/24/16 18:07	Received:05/24/16 21:40						
2-Butanone (MEK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroform	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon tetrachloride	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Benzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichloroethene (TCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromomethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dioxane	ND	1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromodichloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chloroethyl vinyl ether	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Toluene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,3-Dichloropropene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2-Trichloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Tetrachloroethene (PCE)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Xylenes (total)	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Hexanone (MBK)	ND	1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromochloromethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromoethane (EDB)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Ethylbenzene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
m,p-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
o-Xylene	ND	1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Styrene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromoform (Tribromomethane)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Isopropylbenzene (Cumene)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichloropropane	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Propylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Chlorotoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3,5-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
tert-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trimethylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
sec-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Isopropyltoluene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Butylbenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trichlorobenzene	ND	1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638



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Certificate of Analysis

Page 47 of 86

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 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-76 @ 2' Soil (1605283-19) Sampled: 05/24/16 18:07 Received: 05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Naphthalene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Dibromofluoromethane	108 %			67-123		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Toluene-d8	101 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: 4-Bromofluorobenzene	98.7 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
N-Nitrosodimethylamine (NDMA)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyridine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aniline	ND		1	ug/kg	500	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,3-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,4-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzyl alcohol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroisopropyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachloroethane	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodi-n-propylamine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Nitrobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Isophorone	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitrophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dimethylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethoxy)methane	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzoic acid	ND		1	ug/kg	2000	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2,4-Trichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Naphthalene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloroaniline	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobutadiene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylnaphthalene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dichlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorocyclopentadiene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,6-Trichlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,5-Trichlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chloronaphthalene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitroaniline	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthylene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dimethyl phthalate	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dinitrotoluene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
3-Nitroaniline	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dichlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzofuran	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130



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 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 48 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

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Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
2,4-Dinitrotoluene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitrophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluorene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chlorophenyl phenyl ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Diethyl phthalate	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitroaniline	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodiphenylamine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Diphenylhydrazine as Azobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Bromophenyl phenyl ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pentachlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenanthrene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Anthracene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-butyl phthalate	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluoranthene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzidine	ND		1	ug/kg	1000	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyrene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Butyl benzyl phthalate	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
3,3'-Dichlorobenzidine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) anthracene (1,2-Benzanthracene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Chrysene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-ethylhexyl)phthalate	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-octyl phthalate	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (b) fluoranthene (3,4-Benzofluoranthene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (k) fluoranthene (11,12-Benzofluoranthene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) pyrene (3,4-Benzopyrene)	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Indeno (1,2,3-cd) pyrene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzo(a,h)anthracene (1,2,5,6-Dibenzanthracene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (g,h,i) perylene (1,12-Benzoperylene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorophenol	59.2 %			48-117		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Phenol-d5	67.9 %			46-129		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Nitrobenzene-d5	56.1 %			46-110		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorobiphenyl	70.5 %			49-108		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2,4,6-Tribromophenol	80.7 %			55-129		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Terphenyl-d14	71.8 %			58-135		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
alpha-Chlordane	14.5		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244



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Certificate of Analysis

Page 49 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

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Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-76 @ 2' Soil (1605283-19) Sampled:05/24/16 18:07 Received:05/24/16 21:40											
4,4'-DDD	710		5	ug/kg	40.0	EPA 3546	EPA 8081A	05/26/16	06/01/16	ai	BF60244
4,4'-DDE	1240		5	ug/kg	80.0	EPA 3546	EPA 8081A	05/26/16	06/01/16	ai	BF60244
4,4'-DDT	215		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Dieldrin	215		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin	26.4		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Toxaphene	3400		1	ug/kg	120	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244

Surrogate: 2,4,5,6 Tetrachloro-m-xylol	104 %				55-126	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: Decachlorobiphenyl	125 %				49-133	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aroclor-1016	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1221	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1232	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1242	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1248	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1254	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1260	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1262	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	

Surrogate: 2,4,5,6 Tetrachloro-m-xylol	69.2 %				54-131	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: Decachlorobiphenyl	102 %				53-131	EPA 3546	EPA 8082	05/26/16	05/27/16	ai	BF60301
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Arsenic	3.57		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Barium	86.8		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Cadmium	1.41		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Chromium	15.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Cobalt	5.71		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Copper	14.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Lead	10.3		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Molybdenum	1.36		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Nickel	14.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Selenium	ND		1	mg/kg	2.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Vanadium	27.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Zinc	55.3		1	mg/kg	5.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	05/25/16	05/27/16	cg	BE62713	



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Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
pH	7.7		1	pH Units	0.1	-	EPA 9045C	05/25/16	05/25/16	am	BE62622
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										
8310 PAH	See Attachment										
Asbestos	See Attachment										

Sample ID: SB-77 @ 2' Soil (1605283-20) Sampled:05/24/16 18:23 Received:05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C5 - C12	ND		1	mg/kg	0.500	EPA 5030B	EPA 8015M	05/25/16	05/25/16	lk	BE62626
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>101 %</i>			<i>65-131</i>		<i>EPA 5030B</i>	<i>EPA 8015M</i>	<i>05/25/16</i>	<i>05/25/16</i>	<i>lk</i>	<i>BE62626</i>
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C13 - C22	4.52		1	mg/kg	2.50	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
TPH C23 - C32	ND		1	mg/kg	100	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
<i>Surrogate: n-Tetracosane</i>	<i>81.6 %</i>			<i>69-148</i>		<i>EPA 3550C</i>	<i>EPA 8015M</i>	<i>05/25/16</i>	<i>05/26/16</i>	<i>lk</i>	<i>BE62635</i>
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638



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Certificate of Analysis

Page 51 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-77 @ 2' Soil (1605283-20) Sampled:05/24/16 18:23 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Methyl-2-pentanone (MIBK)	ND		1	ug/kg	40.0	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Toluene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Xylenes (total)	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Hexanone (MBK)	ND		1	ug/kg	40.0	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromochloromethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromoethane (EDB)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1,2-Tetrachloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Ethylbenzene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
m,p-Xylene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
o-Xylene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Styrene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromoform (Tribromomethane)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Isopropylbenzene (Cumene)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2,2-Tetrachloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichloropropane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Propylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chlorotoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Chlorotoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3,5-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
tert-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
sec-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Isopropyltoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Naphthalene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Dibromofluoromethane	110 %			67-123		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Toluene-d8	95.7 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: 4-Bromofluorobenzene	101 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
N-Nitrosodimethylamine (NDMA)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyridine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aniline	ND		1	ug/kg	500	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 52 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-77 @ 2'	Soil:	(1605283-20)	Sampled:	05/24/16 18:23	Received:	05/24/16 21:40			
Phenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,3-Dichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,4-Dichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Dichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzyl alcohol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroisopropyl)ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylphenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachloroethane	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodi-n-propylamine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Methylphenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Nitrobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Isophorone	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dimethylphenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethoxy)methane	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzoic acid	ND	1	ug/kg	2000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2,4-Trichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Naphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobutadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylnaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorocyclopentadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,6-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,5-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chloronaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthylene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dimethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzofuran	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluorene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chlorophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Diethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodiphenylamine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Diphenylhydrazine as Azobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Bromophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 53 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Cheven Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-77 @ 2' Soil	(1605283-20)	Sampled:05/24/16 18:23	Received:05/24/16 21:40							
Pentachlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Phenanthrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Anthracene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Di-n-butyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Fluoranthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Benzidine	ND	1	ug/kg	1000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Butyl benzyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
3,3'-Dichlorobenzidine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Benzo (a) anthracene (1,2-Benzanthracene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Chrysene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Bis(2-ethylhexyl)phthalate	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Di-n-octyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Benzo (b) fluoranthene (3,4-Benzofluoranthene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Benzo (k) fluoranthene (11,12-Benzofluoranthene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Benzo (a) pyrene (3,4-Benzopyrene)	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Indeno (1,2,3-cd) pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Dibenzo(a,h)anthracene (1,2,5,6-Dibenzanthracene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
Benzo (g,h,i) perylene (1,12-Benzoperylene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130	
<i>Surrogate: 2-Fluorophenol</i>	<i>56.7 %</i>			<i>48-117</i>	<i>EPA 3546</i>	<i>EPA 8270C</i>	<i>05/26/16</i>	<i>05/27/16</i>	<i>mb</i>	<i>BE63130</i>	
<i>Surrogate: Phenol-d5</i>	<i>65.5 %</i>			<i>46-129</i>	<i>EPA 3546</i>	<i>EPA 8270C</i>	<i>05/26/16</i>	<i>05/27/16</i>	<i>mb</i>	<i>BE63130</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>53.5 %</i>			<i>46-110</i>	<i>EPA 3546</i>	<i>EPA 8270C</i>	<i>05/26/16</i>	<i>05/27/16</i>	<i>mb</i>	<i>BE63130</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>69.0 %</i>			<i>49-108</i>	<i>EPA 3546</i>	<i>EPA 8270C</i>	<i>05/26/16</i>	<i>05/27/16</i>	<i>mb</i>	<i>BE63130</i>	
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>84.2 %</i>			<i>55-129</i>	<i>EPA 3546</i>	<i>EPA 8270C</i>	<i>05/26/16</i>	<i>05/27/16</i>	<i>mb</i>	<i>BE63130</i>	
<i>Surrogate: Terphenyl-d14</i>	<i>74.1 %</i>			<i>58-135</i>	<i>EPA 3546</i>	<i>EPA 8270C</i>	<i>05/26/16</i>	<i>05/27/16</i>	<i>mb</i>	<i>BE63130</i>	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
4,4'-DDD	652		5	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244	
4,4'-DDE	886		5	ug/kg	80.0	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244	
4,4'-DDT	32.9		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Dieldrin	110		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Endrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244	



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Certificate of Analysis

Page 54 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-77 @ 2' Soil (1605283-20) Sampled:05/24/16 18:23 Received:05/24/16 21:40											
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Toxaphene	ND		1	ug/kg	120	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244

Surrogate: 2,4,5,6 Tetrachloro-m-xylene	89.9 %				55-126	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: Decachlorobiphenyl	114 %				49-133	EPA 3546	EPA 8081A	05/26/16	05/27/16	ai	BF60244
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aroclor-1016	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1221	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1232	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1242	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1248	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1254	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1260	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Aroclor-1262	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	

Surrogate: 2,4,5,6 Tetrachloro-m-xylene	61.0 %				54-131	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Surrogate: Decachlorobiphenyl	114 %				53-131	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Arsenic	3.06		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Barium	78.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Cadmium	1.27		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Chromium	14.5		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Cobalt	5.88		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Copper	14.0		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Lead	7.50		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Nickel	13.9		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Selenium	ND		1	mg/kg	2.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Vanadium	27.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Zinc	47.0		1	mg/kg	5.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	05/25/16	05/27/16	cg	BE62713	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
pH	7.9		1	pH Units	0.1	- EPA 9045C	05/25/16	05/25/16	am	BE62622	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
EPA 8141A Organo Pesticides	See Attachment										
EPA 8151A Herbicides	See Attachment										
8310 PAH	See Attachment										
Asbestos	See Attachment										
Sample ID: SB-78 @ 2' Soil (1605283-21) Sampled:05/24/16 18:34 Received:05/24/16 21:40											



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Certificate of Analysis

Page 55 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-78 @ 2' Soil (1605283-21) Sampled: 05/24/16 18:34 Received: 05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C5 - C12	ND		1	mg/kg	0.500	EPA 5030B	EPA 8015M	05/26/16	05/26/16	lk	BE62626
<i>Surrogate: a,a,a-Trifluorotoluene</i>											
	99.6 %			65-131		EPA 5030B	EPA 8015M	05/26/16	05/26/16	lk	BE62626
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C13 - C22	ND		1	mg/kg	2.50	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
TPH C23 - C32	ND		1	mg/kg	100	EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
<i>Surrogate: n-Tetracosane</i>											
	80.9 %			69-148		EPA 3550C	EPA 8015M	05/25/16	05/26/16	lk	BE62635
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromomethane (Methyl bromide)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Acetone	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon disulfide	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Vinyl acetate	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,2-Dichloroethene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Butanone (MEK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chloroform	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Carbon tetrachloride	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Benzene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Trichloroethene (TCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromomethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dioxane	ND		1	ug/kg	80.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromodichloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chloroethyl vinyl ether	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
cis-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Methyl-2-pentanone (MIBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Toluene	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
trans-1,3-Dichloropropene	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,2-Trichloroethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Tetrachloroethene (PCE)	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Xylenes (total)	ND		1	ug/kg	2.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichloropropane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Hexanone (MBK)	ND		1	ug/kg	40.0	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638
Dibromochloromethane	ND		1	ug/kg	4.00	EPA 5035	EPA 8260B	05/25/16	05/25/16	mb	BE62638



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Certificate of Analysis

Page 56 of 86

ATC Group Services LLC [Monterey Park]
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 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
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Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-78 @ 2' Soil (1605283-21) Sampled: 05/24/16 18:34 Received: 05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
1,2-Dibromoethane (EDB)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Chlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1,2-Tetrachloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Ethylbenzene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
m,p-Xylene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
o-Xylene	ND		1	ug/kg	2.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Styrene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromoform (Tribromomethane)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Isopropylbenzene (Cumene)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Bromobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,1,1,2-Tetrachloroethane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichloropropane	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Propylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
2-Chlorotoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Chlorotoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3,5-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
tert-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trimethylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
sec-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,3-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
4-Isopropyltoluene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,4-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
n-Butylbenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,4-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Hexachlorobutadiene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Naphthalene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
1,2,3-Trichlorobenzene	ND		1	ug/kg	4.00	EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Dibromofluoromethane	107 %			67-123		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: Toluene-d8	99.6 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
Surrogate: 4-Bromofluorobenzene	105 %			80-120		EPA 5035 EPA 8260B	05/25/16	05/25/16	mb	BE62638
N-Nitrosodimethylamine (NDMA)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyridine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Aniline	ND		1	ug/kg	500	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chlorophenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,3-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,4-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Dichlorobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzyl alcohol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroisopropyl)ether	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachloroethane	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodi-n-propylamine	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Methylphenol	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Nitrobenzene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 57 of 86

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-78 @ 2' Soil	(1605283-21)	Sampled:05/24/16 18:34	Received:05/24/16 21:40						
Isophorone	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dimethylphenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Bis(2-chloroethoxy)methane	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzoic acid	ND	1	ug/kg	2000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2,4-Trichlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Naphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobutadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Methylnaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorocyclopentadiene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,6-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4,5-Trichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Chloronaphthalene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthylene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dimethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,6-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Acenaphthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dichlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzofuran	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
2,4-Dinitrotoluene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitrophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluorene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Chlorophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Diethyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Nitroaniline	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
N-Nitrosodiphenylamine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
1,2-Diphenylhydrazine as Azobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
4-Bromophenyl phenyl ether	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Hexachlorobenzene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pentachlorophenol	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Phenanthrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Anthracene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-butyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Fluoranthene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzidine	ND	1	ug/kg	1000	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Pyrene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Butyl benzyl phthalate	ND	1	ug/kg	100	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
3,3'-Dichlorobenzidine	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) anthracene (1,2-Benzanthracene)	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130
Chrysene	ND	1	ug/kg	200	EPA 3546	EPA 8270C	05/26/16	05/27/16	mb	BE63130



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Certificate of Analysis

Page 58 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-78 @ 2' Soil (1605283-21) Sampled:05/24/16 18:34 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Bis(2-ethylhexyl)phthalate	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Di-n-octyl phthalate	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (b) fluoranthene (3,4-Benzofluoranthene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (k) fluoranthene (11,12-Benzofluoranthene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (a) pyrene (3,4-Benzopyrene)	ND		1	ug/kg	100	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Indeno (1,2,3-cd) pyrene	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Dibenzo(a,h)anthracene (1,2,5,6-Dibenzanthracene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Benzo (g,h,i) perylene (1,12-Benzoperylene)	ND		1	ug/kg	200	EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorophenol	56.1 %			48-117		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Phenol-d5	68.9 %			46-129		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Nitrobenzene-d5	54.9 %			46-110		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2-Fluorobiphenyl	70.4 %			49-108		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: 2,4,6-Tribromophenol	85.6 %			55-129		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
Surrogate: Terphenyl-d14	75.7 %			58-135		EPA 3546 EPA 8270C	05/26/16	05/27/16	mb	BE63130
alpha-Chlordane	19.8		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
gamma-Chlordane	26.7		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
4,4'-DDD	1200		5	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
4,4'-DDE	1330		5	ug/kg	80.0	EPA 3546 EPA 8081A	05/26/16	06/01/16	ai	BF60244
4,4'-DDT	294		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Dieldrin	248		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin	21.2		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Toxaphene	2870		1	ug/kg	120	EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: 2,4,5,6 Tetrachloro-m-xylol	102 %			55-126		EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Surrogate: Decachlorobiphenyl	122 %			49-133		EPA 3546 EPA 8081A	05/26/16	05/27/16	ai	BF60244
Aroclor-1016	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1221	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1232	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1242	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1248	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301



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Certificate of Analysis

Page 59 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-78 @ 2' Soil (1605283-21) Sampled:05/24/16 18:34 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aroclor-1254	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1260	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Aroclor-1262	ND		1	ug/kg	50.0	EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	110 %			54-131		EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Surrogate: Decachlorobiphenyl	116 %			53-131		EPA 3546 EPA 8082	05/26/16	05/27/16	ai	BF60301
Antimony	ND		1	mg/kg	2.50	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Arsenic	3.35		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Barium	81.7		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Beryllium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cadmium	1.30		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Chromium	15.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Cobalt	6.01		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Copper	13.2		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Lead	6.50		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Molybdenum	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Nickel	14.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Selenium	ND		1	mg/kg	2.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Silver	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Thallium	ND		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Vanadium	28.1		1	mg/kg	1.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Zinc	48.9		1	mg/kg	5.00	EPA 3050B EPA 6010B	05/25/16	05/25/16	CG	BE62547
Mercury	ND		1	mg/kg	0.100	EPA 7471A EPA 7471A	05/25/16	05/27/16	cg	BE62713
pH	7.9		1	pH Units	0.1	- EPA 9045C	05/25/16	05/25/16	am	BE62622
EPA 8141A Organo Pesticides	See Attachment									
EPA 8151A Herbicides	See Attachment									
8310 PAH	See Attachment									
Asbestos	See Attachment									
Sample ID: EQ Blank 5 Water (1605283-22) Sampled:05/24/16 19:00 Received:05/24/16 21:40										
TPH C4 - C12	ND		1	ug/l	100	EPA 5030B EPA 8015M	05/25/16	05/25/16	lk	BE62549
Surrogate: a,a,a-Trifluorotoluene	105 %			68-149		EPA 5030B EPA 8015M	05/25/16	05/25/16	lk	BE62549
TPH C13 - C22	ND		1	mg/L	0.500	EPA 3535A EPA 8015M	05/25/16	05/26/16	lk	BE62721
TPH C23 - C32	ND		1	mg/L	2.50	EPA 3535A EPA 8015M	05/25/16	05/26/16	lk	BE62721
Surrogate: n-Tetracosane	76.3 %			55-125		EPA 3535A EPA 8015M	05/25/16	05/26/16	lk	BE62721
Dichlorodifluoromethane (FC-12)	ND		1	ug/l	1.00	EPA 5030B EPA 8260B	05/26/16	05/26/16	mb	BE62723
Chloromethane	ND		1	ug/l	1.00	EPA 5030B EPA 8260B	05/26/16	05/26/16	mb	BE62723
Vinyl chloride (Chloroethylene)	ND		1	ug/l	0.500	EPA 5030B EPA 8260B	05/26/16	05/26/16	mb	BE62723



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Certificate of Analysis

Page 60 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	EQ Blank 5	Water	(1605283-22)	Sampled:05/24/16 19:00	Received:05/24/16 21:40					
Bromomethane (Methyl bromide)	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Chloroethane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Trichlorofluoromethane (FC-11)	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Acetone	ND	1	ug/l	10.0	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Carbon disulfide	ND	1	ug/l	5.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
1,1-Dichloroethene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Methylene chloride (Dichloromethane)	ND	1	ug/l	2.50	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
trans-1,2-Dichloroethene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Methyl tert-butyl ether (MTBE)	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
1,1-Dichloroethane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Vinyl acetate	ND	1	ug/l	5.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
2,2-Dichloropropane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
cis-1,2-Dichloroethene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
2-Butanone (MEK)	ND	1	ug/l	5.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Bromochloromethane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Chloroform	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
1,1,1-Trichloroethane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Carbon tetrachloride	ND	1	ug/l	0.500	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
1,1-Dichloropropene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Benzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
1,2-Dichloroethane	ND	1	ug/l	0.500	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Trichloroethene (TCE)	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
1,2-Dichloropropane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Dibromomethane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
1,4-Dioxane	ND	1	ug/l	20.0	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Bromodichloromethane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
2-Chloroethyl vinyl ether	ND	1	ug/l	5.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
cis-1,3-Dichloropropene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
4-Methyl-2-pentanone (MIBK)	ND	1	ug/l	5.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Toluene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
trans-1,3-Dichloropropene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
1,1,2-Trichloroethane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Tetrachloroethene (PCE)	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
1,3-Dichloropropane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
2-Hexanone (MBK)	ND	1	ug/l	5.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Dibromochloromethane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
1,2-Dibromoethane (EDB)	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Chlorobenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
1,1,1,2-Tetrachloroethane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Ethylbenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
m,p-Xylene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
o-Xylene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Styrene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Bromoform (Tribromomethane)	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Isopropylbenzene (Cumene)	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
Bromobenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
1,1,2,2-Tetrachloroethane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
1,2,3-Trichloropropane	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
n-Propylbenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723
2-Chlorotoluene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723



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Certificate of Analysis

Page 61 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	EQ Blank 5	Water	(1605283-22)	Sampled: 05/24/16 19:00	Received: 05/24/16 21:40						
4-Chlorotoluene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
1,3,5-Trimethylbenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
tert-Butylbenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
1,2,4-Trimethylbenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
sec-Butylbenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
1,3-Dichlorobenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
4-Isopropyltoluene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
1,4-Dichlorobenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
1,2-Dichlorobenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
n-Butylbenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
1,2,4-Trichlorobenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
Hexachlorobutadiene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
Naphthalene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
1,2,3-Trichlorobenzene	ND	1	ug/l	1.00	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
Surrogate: Dibromofluoromethane	116 %			65-117	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
Surrogate: Toluene-d8	99.5 %			80-120	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
Surrogate: 4-Bromofluorobenzene	94.0 %			80-120	EPA 5030B	EPA 8260B	05/26/16	05/26/16	mb	BE62723	
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
N-Nitrosodimethylamine (NDMA)	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Pyridine	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Aniline	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Bis(2-chloroethyl)ether	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Phenol	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
2-Chlorophenol	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
1,3-Dichlorobenzene	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
1,4-Dichlorobenzene	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
1,2-Dichlorobenzene	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Benzyl alcohol	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Bis(2-chloroisopropyl)ether	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
2-Methylphenol	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Hexachloroethane	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
N-Nitrosodi-n-propylamine	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
4-Methylphenol	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Nitrobenzene	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Isophorone	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
2-Nitrophenol	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
2,4-Dimethylphenol	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Bis(2-chloroethoxy)methane	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Benzoic acid	ND		1	ug/l	20.0	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
1,2,4-Trichlorobenzene	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Naphthalene	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
4-Chloroaniline	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Hexachlorobutadiene	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
2-Methylnaphthalene	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
2,6-Dichlorophenol	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Hexachlorocyclopentadiene	ND		1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715



781 East Washington Blvd., Los Angeles, CA 90021
 [213] 745-5312 FAX [213] 745-6372

Certificate of Analysis

Page 62 of 86

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	EQ Blank 5	Water	(1605283-22)	Sampled:	05/24/16 19:00	Received:	05/24/16 21:40			
2,4,6-Trichlorophenol	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
2,4,5-Trichlorophenol	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
2-Chloronaphthalene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
2-Nitroaniline	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Acenaphthylene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Dimethyl phthalate	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
2,6-Dinitrotoluene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Acenaphthene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
3-Nitroaniline	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Dibenzofuran	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
2,4-Dichlorophenol	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
2,4-Dinitrophenol	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
2,4-Dinitrotoluene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
4-Nitrophenol	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Fluorene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
4-Chlorophenyl phenyl ether	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Diethyl phthalate	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
4-Nitroaniline	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
N-Nitrosodiphenylamine	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Azobenzene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
1,2-Diphenylhydrazine as Azobenzene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
4-Bromophenyl phenyl ether	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Hexachlorobenzene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Pentachlorophenol	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Phenanthrene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Carbazole	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Anthracene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Di-n-butyl phthalate	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Fluoranthene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Benzidine	ND	1	ug/l	40.0	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Pyrene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Butyl benzyl phthalate	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
3,3'-Dichlorobenzidine	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Benzo (a) anthracene (1,2-Benzanthracene)	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Chrysene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Bis(2-ethylhexyl)phthalate	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Di-n-octyl phthalate	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Benzo (b) fluoranthene (3,4-Benzofluoranthene)	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Benzo (k) fluoranthene (11,12-Benzofluoranthene)	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Benzo (a) pyrene (3,4-Benzopyrene)	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Indeno (1,2,3-cd) pyrene	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Dibenzo(a,h)anthracene (1,2,5,6-Dibenzanthracene)	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Benzo (g,h,i) perylene (1,12-Benzoperylene)	ND	1	ug/l	5.00	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
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Surrogate: 2-Fluorophenol		41.6 %		17-110	EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715



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Certificate of Analysis

Page 63 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	EQ Blank 5	Water	(1605283-22)	Sampled:	05/24/16 19:00	Received:	05/24/16 21:40				
Surrogate: Phenol-d5	29.7 %			12-110		EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Surrogate: Nitrobenzene-d5	65.3 %			34-110		EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Surrogate: 2-Fluorobiphenyl	71.7 %			36-110		EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Surrogate: 2,4,6-Tribromophenol	87.4 %			39-123		EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Surrogate: Terphenyl-d4	71.5 %			39-125		EPA 3510C	EPA 8270C	05/26/16	05/28/16	ai	BE62715
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
alpha-BHC	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
beta-BHC	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
delta-BHC	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
gamma-BHC (Lindane)	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
alpha-Chlordane	ND		1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
gamma-Chlordane	ND		1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
4,4'-DDD	ND		1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
4,4'-DDE	ND		1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
4,4'-DDT	ND		1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Dieldrin	ND		1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endosulfan I	ND		1	ug/l	0.100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endosulfan II	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endosulfan sulfate	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endrin	ND		1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endrin aldehyde	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Endrin ketone	ND		1	ug/l	0.100	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Heptachlor	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Heptachlor epoxide	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Methoxychlor	ND		1	ug/l	0.500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Technical Chlordane	ND		1	ug/l	0.500	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Toxaphene	ND		1	ug/l	1.00	EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	82.8 %			36-114		EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Surrogate: Decachlorobiphenyl	82.4 %			33-129		EPA 3535A	EPA 8081A	05/25/16	05/27/16	ai	BE62705
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aroclor-1016	ND		1	ug/l	0.500	EPA 3535A	EPA 8082	05/25/16	05/27/16	ai	BE62705
Aroclor-1221	ND		1	ug/l	0.500	EPA 3535A	EPA 8082	05/25/16	05/27/16	ai	BE62705
Aroclor-1232	ND		1	ug/l	0.500	EPA 3535A	EPA 8082	05/25/16	05/27/16	ai	BE62705
Aroclor-1242	ND		1	ug/l	0.500	EPA 3535A	EPA 8082	05/25/16	05/27/16	ai	BE62705
Aroclor-1248	ND		1	ug/l	0.500	EPA 3535A	EPA 8082	05/25/16	05/27/16	ai	BE62705
Aroclor-1254	ND		1	ug/l	0.500	EPA 3535A	EPA 8082	05/25/16	05/27/16	ai	BE62705
Aroclor-1260	ND		1	ug/l	0.500	EPA 3535A	EPA 8082	05/25/16	05/27/16	ai	BE62705
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	82.8 %			36-114		EPA 3535A	EPA 8082	05/25/16	05/27/16	ai	BE62705
Surrogate: Decachlorobiphenyl	82.4 %			33-129		EPA 3535A	EPA 8082	05/25/16	05/27/16	ai	BE62705
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/L	0.020	EPA 3010A	EPA 6010B	05/26/16	05/26/16	CG	BE62709
Arsenic	ND		1	mg/L	0.020	EPA 3010A	EPA 6010B	05/26/16	05/26/16	CG	BE62709
Barium	ND		1	mg/L	0.010	EPA 3010A	EPA 6010B	05/26/16	05/26/16	CG	BE62709
Beryllium	ND		1	mg/L	0.005	EPA 3010A	EPA 6010B	05/26/16	05/26/16	CG	BE62709
Cadmium	ND		1	mg/L	0.005	EPA 3010A	EPA 6010B	05/26/16	05/26/16	CG	BE62709
Chromium	ND		1	mg/L	0.010	EPA 3010A	EPA 6010B	05/26/16	05/26/16	CG	BE62709



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 65 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch BE62626 - EPA 5030B										
Blank Prepared & Analyzed: 05/25/16										
TPH C5 - C12	ND	0.500	mg/kg							
Surrogate: a,a,a-Trifluorotoluene	0.0318		mg/kg	0.03000		106	65-131			
LCS Prepared & Analyzed: 05/25/16										
Gasoline	0.881	0.500	mg/kg	0.9096		96.9	69-116			
Matrix Spike Source: 1605283-11 Prepared & Analyzed: 05/26/16										
Gasoline	1.71	0.500	mg/kg	1.819	ND	93.8	57-121			
Matrix Spike Dup Source: 1605283-11 Prepared & Analyzed: 05/26/16										
Gasoline	1.58	0.500	mg/kg	1.819	ND	87.0	57-121	7.53	30	
Batch BE62549 - EPA 5030B										
Blank Prepared & Analyzed: 05/25/16										
TPH C5 - C12	0.00		ug/l							
Surrogate: a,a,a-Trifluorotoluene	29.0		ug/l	30.00		96.7	68-149			
LCS Prepared & Analyzed: 05/25/16										
Gasoline	886	100	ug/l	909.6		97.4	67-115			
Matrix Spike Source: 1605261-06 Prepared & Analyzed: 05/25/16										
Gasoline	898	100	ug/l	909.6	ND	98.7	65-125			
Matrix Spike Dup Source: 1605261-06 Prepared & Analyzed: 05/25/16										
Gasoline	854	100	ug/l	909.6	ND	93.8	65-125	5.03	20	
Batch BE62635 - EPA 3550C										
Blank Prepared: 05/25/16 Analyzed: 05/26/16										
TPH C13 - C22	ND	2.50	mg/kg							
TPH C23 - C32	ND	100	mg/kg							
Surrogate: n-Tetracosane	17.6		mg/kg	20.83		84.4	69-148			
LCS Prepared: 05/25/16 Analyzed: 05/26/16										
Diesel	545	5.00	mg/kg	554.7		98.3	63-136			
Surrogate: n-Tetracosane	23.5		mg/kg	20.83		113	69-146			
Matrix Spike Source: 1605265-01 Prepared & Analyzed: 05/25/16										
Diesel	1220	2.50	mg/kg	94.00	1120	110	57-145			
Surrogate: n-Tetracosane	25.2		mg/kg	20.83		121	69-148			
Matrix Spike Dup Source: 1605265-01 Prepared & Analyzed: 05/27/16										
Diesel	1240	2.50	mg/kg	94.00	1120	133	57-145	18.7	30	
Surrogate: n-Tetracosane	24.4		mg/kg	20.83		117	69-148			
Batch BE62721 - EPA 3535A										
Blank Prepared: 05/25/16 Analyzed: 05/26/16										



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 66 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62721 - EPA 3535A										
TPH C13 - C22	ND	0.500	mg/L							
TPH C23 - C32	ND	2.50	mg/L							
Surrogate: n-Tetracosane	0.235		mg/L	0.3125		75.1	55-125			
LCS Prepared: 05/25/16 Analyzed: 05/26/16										
Diesel	6.08	0.500	mg/L	8.320		73.0	53-132			
Surrogate: n-Tetracosane	0.290		mg/L	0.3125		92.6	59-140			
LCS Dup Prepared: 05/25/16 Analyzed: 05/26/16										
Diesel	8.11	0.500	mg/L	8.320		97.5	53-132	28.7	25	
Surrogate: n-Tetracosane	0.302		mg/L	0.3125		96.5	59-140			
Batch BE62638 - EPA 5035										
Blank Prepared & Analyzed: 05/25/16										
Dichlorodifluoromethane (FC-12)	ND	4.00	ug/kg							
Chloromethane	ND	4.00	ug/kg							
Vinyl chloride (Chloroethylene)	ND	4.00	ug/kg							
Bromomethane (Methyl bromide)	ND	4.00	ug/kg							
Chloroethane	ND	4.00	ug/kg							
Trichlorofluoromethane (FC-11)	ND	4.00	ug/kg							
Acetone	ND	80.0	ug/kg							
Carbon disulfide	ND	40.0	ug/kg							
1,1-Dichloroethene	ND	4.00	ug/kg							
Methylene chloride (Dichloromethane)	ND	20.0	ug/kg							
trans-1,2-Dichloroethene	ND	4.00	ug/kg							
Methyl tert-butyl ether (MTBE)	ND	4.00	ug/kg							
1,1-Dichloroethane	ND	4.00	ug/kg							
Vinyl acetate	ND	40.0	ug/kg							
2,2-Dichloropropane	ND	4.00	ug/kg							
cis-1,2-Dichloroethene	ND	4.00	ug/kg							
2-Butanone (MEK)	ND	40.0	ug/kg							
Bromochloromethane	ND	4.00	ug/kg							
Chloroform	ND	4.00	ug/kg							
1,1,1-Trichloroethane	ND	4.00	ug/kg							
Carbon tetrachloride	ND	4.00	ug/kg							
1,1-Dichloropropene	ND	4.00	ug/kg							
Benzene	ND	2.00	ug/kg							
1,2-Dichloroethane	ND	4.00	ug/kg							
Trichloroethene (TCE)	ND	4.00	ug/kg							
1,2-Dichloropropane	ND	4.00	ug/kg							
Dibromomethane	ND	4.00	ug/kg							
1,4-Dioxane	ND	80.0	ug/kg							



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 67 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62638 - EPA 5035										
Bromodichloromethane	ND	4.00	ug/kg							
2-Chloroethyl vinyl ether	ND	40.0	ug/kg							
cis-1,3-Dichloropropene	ND	4.00	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	40.0	ug/kg							
Toluene	ND	2.00	ug/kg							
trans-1,3-Dichloropropene	ND	4.00	ug/kg							
1,1,2-Trichloroethane	ND	4.00	ug/kg							
Tetrachloroethane (PCE)	ND	4.00	ug/kg							
Xylenes (total)	ND	2.00	ug/kg							
1,3-Dichloropropane	ND	4.00	ug/kg							
2-Hexanone (MBK)	ND	40.0	ug/kg							
Dibromochloromethane	ND	4.00	ug/kg							
1,2-Dibromoethane (EDB)	ND	4.00	ug/kg							
Chlorobenzene	ND	4.00	ug/kg							
1,1,1,2-Tetrachloroethane	ND	4.00	ug/kg							
Ethylbenzene	ND	2.00	ug/kg							
m,p-Xylene	ND	2.00	ug/kg							
o-Xylene	ND	2.00	ug/kg							
Styrene	ND	4.00	ug/kg							
Bromoform (Tribromomethane)	ND	4.00	ug/kg							
Isopropylbenzene (Cumene)	ND	4.00	ug/kg							
Bromobenzene	ND	4.00	ug/kg							
1,1,2,2-Tetrachloroethane	ND	4.00	ug/kg							
1,2,3-Trichloropropane	ND	4.00	ug/kg							
n-Propylbenzene	ND	4.00	ug/kg							
2-Chlorotoluene	ND	4.00	ug/kg							
4-Chlorotoluene	ND	4.00	ug/kg							
1,3,5-Trimethylbenzene	ND	4.00	ug/kg							
tert-Butylbenzene	ND	4.00	ug/kg							
1,2,4-Trimethylbenzene	ND	4.00	ug/kg							
sec-Butylbenzene	ND	4.00	ug/kg							
1,3-Dichlorobenzene	ND	4.00	ug/kg							
4-Isopropyltoluene	ND	4.00	ug/kg							
1,4-Dichlorobenzene	ND	4.00	ug/kg							
1,2-Dichlorobenzene	ND	4.00	ug/kg							
n-Butylbenzene	ND	4.00	ug/kg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.00	ug/kg							
1,2,4-Trichlorobenzene	ND	4.00	ug/kg							
Hexachlorobutadiene	ND	4.00	ug/kg							
Naphthalene	ND	4.00	ug/kg							
1,2,3-Trichlorobenzene	ND	4.00	ug/kg							



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 68 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62638 - EPA 5035										
Surrogate: Dibromofluoromethane	16.8		ug/kg	15.00		112	67-123			
Surrogate: Toluene-d8	14.9		ug/kg	15.00		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	15.3		ug/kg	15.00		102	80-120			
LCS Prepared & Analyzed: 05/25/16										
1,1-Dichloroethene	23.9	4.00	ug/kg	20.00		120	69-139			
Methyl tert-butyl ether (MTBE)	19.8	4.00	ug/kg	20.00		98.9	64-127			
Benzene	20.8	2.00	ug/kg	20.00		104	69-130			
Trichloroethene (TCE)	18.2	4.00	ug/kg	20.00		91.0	68-133			
Toluene	18.4	2.00	ug/kg	20.00		91.8	70-130			
Chlorobenzene	19.0	4.00	ug/kg	20.00		95.0	73-120			
Surrogate: Dibromofluoromethane	16.2		ug/kg	15.00		108	80-120			
Surrogate: Toluene-d8	14.5		ug/kg	15.00		96.9	80-120			
Surrogate: 4-Bromofluorobenzene	15.0		ug/kg	15.00		99.9	80-120			
Matrix Spike Source: 1605283-11 Prepared & Analyzed: 05/26/16										
1,1-Dichloroethene	14.9	4.00	ug/kg	20.00	ND	74.6	64-139			
Benzene	18.0	2.00	ug/kg	20.00	ND	89.8	66-132			
Trichloroethene (TCE)	14.5	4.00	ug/kg	20.00	ND	72.3	64-134			
Toluene	15.6	2.00	ug/kg	20.00	ND	78.2	60-135			
Chlorobenzene	16.2	4.00	ug/kg	20.00	ND	80.8	61-129			
Surrogate: Dibromofluoromethane	16.0		ug/kg	15.00		107	79-120			
Surrogate: Toluene-d8	14.6		ug/kg	15.00		97.3	80-120			
Surrogate: 4-Bromofluorobenzene	15.1		ug/kg	15.00		100	80-120			
Matrix Spike Dup Source: 1605283-11 Prepared & Analyzed: 05/26/16										
1,1-Dichloroethene	20.7	4.00	ug/kg	20.00	ND	104	64-139	32.6	30	
Benzene	23.9	2.00	ug/kg	20.00	ND	119	66-132	28.4	30	
Trichloroethene (TCE)	18.2	4.00	ug/kg	20.00	ND	91.2	64-134	23.2	30	
Toluene	20.3	2.00	ug/kg	20.00	ND	102	60-135	26.1	30	
Chlorobenzene	18.9	4.00	ug/kg	20.00	ND	94.6	61-129	15.6	30	
Surrogate: Dibromofluoromethane	17.4		ug/kg	15.00		116	79-120			
Surrogate: Toluene-d8	15.2		ug/kg	15.00		102	80-120			
Surrogate: 4-Bromofluorobenzene	15.4		ug/kg	15.00		102	80-120			
Batch BE62723 - EPA 5030B										
Blank Prepared & Analyzed: 05/26/16										
Dichlorodifluoromethane (FC-12)	ND	1.00	ug/l							
Chloromethane	ND	1.00	ug/l							
Vinyl chloride (Chloroethylene)	ND	0.500	ug/l							
Bromomethane (Methyl bromide)	ND	1.00	ug/l							
Chloroethane	ND	1.00	ug/l							
Trichlorofluoromethane (FC-11)	ND	1.00	ug/l							



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 69 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62723 - EPA 5030B										
Acetone	ND	10.0	ug/l							
Carbon disulfide	ND	5.00	ug/l							
1,1-Dichloroethene	ND	1.00	ug/l							
Methylene chloride (Dichloromethane)	ND	2.50	ug/l							
trans-1,2-Dichloroethene	ND	1.00	ug/l							
Methyl tert-butyl ether (MTBE)	ND	1.00	ug/l							
1,1-Dichloroethane	ND	1.00	ug/l							
Vinyl acetate	ND	5.00	ug/l							
2,2-Dichloropropane	ND	1.00	ug/l							
cis-1,2-Dichloroethene	ND	1.00	ug/l							
2-Butanone (MEK)	ND	5.00	ug/l							
Bromochloromethane	ND	1.00	ug/l							
Chloroform	ND	1.00	ug/l							
1,1,1-Trichloroethane	ND	1.00	ug/l							
Carbon tetrachloride	ND	0.500	ug/l							
1,1-Dichloropropene	ND	1.00	ug/l							
Benzene	ND	1.00	ug/l							
1,2-Dichloroethane	ND	0.500	ug/l							
Trichloroethene (TCE)	ND	1.00	ug/l							
1,2-Dichloropropane	ND	1.00	ug/l							
Dibromomethane	ND	1.00	ug/l							
1,4-Dioxane	ND	20.0	ug/l							
Bromodichloromethane	ND	1.00	ug/l							
2-Chloroethyl vinyl ether	ND	5.00	ug/l							
cis-1,3-Dichloropropene	ND	1.00	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	5.00	ug/l							
Toluene	ND	1.00	ug/l							
trans-1,3-Dichloropropene	ND	1.00	ug/l							
1,1,2-Trichloroethane	ND	1.00	ug/l							
Tetrachloroethene (PCE)	ND	1.00	ug/l							
1,3-Dichloropropane	ND	1.00	ug/l							
2-Hexanone (MBK)	ND	5.00	ug/l							
Dibromochloromethane	ND	1.00	ug/l							
1,2-Dibromoethane (EDB)	ND	1.00	ug/l							
Chlorobenzene	ND	1.00	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.00	ug/l							
Ethylbenzene	ND	1.00	ug/l							
m,p-Xylene	ND	1.00	ug/l							
o-Xylene	ND	1.00	ug/l							
Styrene	ND	1.00	ug/l							
Bromoform (Tribromomethane)	ND	1.00	ug/l							



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 70 of 86

ATC Group Services LLC [Monterey Park]
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File #:73399
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Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
Batch BE62723 - EPA 5030B										
Isopropylbenzene (Cumene)	ND	1.00	ug/l							
Bromobenzene	ND	1.00	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.00	ug/l							
1,2,3-Trichloropropane	ND	1.00	ug/l							
n-Propylbenzene	ND	1.00	ug/l							
2-Chlorotoluene	ND	1.00	ug/l							
4-Chlorotoluene	ND	1.00	ug/l							
1,3,5-Trimethylbenzene	ND	1.00	ug/l							
tert-Butylbenzene	ND	1.00	ug/l							
1,2,4-Trimethylbenzene	ND	1.00	ug/l							
sec-Butylbenzene	ND	1.00	ug/l							
1,3-Dichlorobenzene	ND	1.00	ug/l							
4-Isopropyltoluene	ND	1.00	ug/l							
1,4-Dichlorobenzene	ND	1.00	ug/l							
1,2-Dichlorobenzene	ND	1.00	ug/l							
n-Butylbenzene	ND	1.00	ug/l							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.00	ug/l							
1,2,4-Trichlorobenzene	ND	1.00	ug/l							
Hexachlorobutadiene	ND	1.00	ug/l							
Naphthalene	ND	1.00	ug/l							
1,2,3-Trichlorobenzene	ND	1.00	ug/l							
Surrogate: Dibromofluoromethane	16.4		ug/l	15.00		110	65-117			
Surrogate: Toluene-d8	14.8		ug/l	15.00		98.7	80-120			
Surrogate: 4-Bromofluorobenzene	16.1		ug/l	15.00		107	80-120			
LCS Prepared & Analyzed: 05/26/16										
1,1-Dichloroethene	20.0	1.00	ug/l	20.00		100	74-135			
Methyl tert-butyl ether (MTBE)	23.8	1.00	ug/l	20.00		119	66-130			
Benzene	21.6	1.00	ug/l	20.00		108	74-132			
Trichloroethene (TCE)	18.4	1.00	ug/l	20.00		91.9	71-135			
1,4-Dioxane	104	20.0	ug/l	100.0		104	53-148			
Toluene	19.2	1.00	ug/l	20.00		95.8	79-133			
Chlorobenzene	19.2	1.00	ug/l	20.00		95.8	78-131			
Surrogate: Dibromofluoromethane	16.5		ug/l	15.00		110	79-120			
Surrogate: Toluene-d8	14.6		ug/l	15.00		97.3	80-120			
Surrogate: 4-Bromofluorobenzene	14.9		ug/l	15.00		99.1	80-120			
Matrix Spike Source: 1605300-01 Prepared & Analyzed: 05/27/16										
1,1-Dichloroethene	23.4	1.00	ug/l	20.00	ND	117	65-144			
Benzene	25.6	1.00	ug/l	20.00	ND	128	61-137			
Trichloroethene (TCE)	22.5	1.00	ug/l	20.00	ND	112	64-134			
Toluene	23.1	1.00	ug/l	20.00	ND	116	64-135			



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 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 71 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62723 - EPA 5030B										
Chlorobenzene	23.2	1.00	ug/l	20.00	ND	116	64-133			
Surrogate: Dibromofluoromethane	15.6		ug/l	15.00		104	79-120			
Surrogate: Toluene-d8	15.0		ug/l	15.00		99.9	80-120			
Surrogate: 4-Bromofluorobenzene	15.5		ug/l	15.00		103	80-120			
Matrix Spike Dup Source: 1605300-01 Prepared & Analyzed: 05/27/16										
1,1-Dichloroethene	17.6	1.00	ug/l	20.00	ND	88.2	65-144	28.2	20	
Benzene	22.1	1.00	ug/l	20.00	ND	110	61-137	15.0	20	
Trichloroethene (TCE)	20.7	1.00	ug/l	20.00	ND	103	64-134	8.39	20	
Toluene	21.4	1.00	ug/l	20.00	ND	107	64-135	7.87	20	
Chlorobenzene	20.3	1.00	ug/l	20.00	ND	102	64-133	13.1	20	
Surrogate: Dibromofluoromethane	15.5		ug/l	15.00		103	79-120			
Surrogate: Toluene-d8	15.2		ug/l	15.00		101	80-120			
Surrogate: 4-Bromofluorobenzene	15.5		ug/l	15.00		103	80-120			
Batch BE63130 - EPA 3546										
Blank Prepared: 05/26/16 Analyzed: 05/27/16										
N-Nitrosodimethylamine (NDMA)	ND	200	ug/kg							
Pyridine	ND	200	ug/kg							
Aniline	ND	500	ug/kg							
Bis(2-chloroethyl)ether	ND	200	ug/kg							
Phenol	ND	200	ug/kg							
2-Chlorophenol	ND	200	ug/kg							
1,3-Dichlorobenzene	ND	200	ug/kg							
1,4-Dichlorobenzene	ND	200	ug/kg							
1,2-Dichlorobenzene	ND	200	ug/kg							
Benzyl alcohol	ND	200	ug/kg							
Bis(2-chloroisopropyl)ether	ND	200	ug/kg							
2-Methylphenol	ND	200	ug/kg							
Hexachloroethane	ND	200	ug/kg							
N-Nitrosodi-n-propylamine	ND	200	ug/kg							
4-Methylphenol	ND	200	ug/kg							
Nitrobenzene	ND	200	ug/kg							
Isophorone	ND	200	ug/kg							
2-Nitrophenol	ND	200	ug/kg							
2,4-Dimethylphenol	ND	200	ug/kg							
Bis(2-chloroethoxy)methane	ND	200	ug/kg							
Benzoic acid	ND	2000	ug/kg							
1,2,4-Trichlorobenzene	ND	200	ug/kg							
Naphthalene	ND	200	ug/kg							
4-Chloroaniline	ND	200	ug/kg							



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 72 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE63130 - EPA 3546										
Hexachlorobutadiene	ND	200	ug/kg							
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ND	200	ug/kg							
2-Methylnaphthalene	ND	200	ug/kg							
2,6-Dichlorophenol	ND	200	ug/kg							
Hexachlorocyclopentadiene	ND	200	ug/kg							
2,4,6-Trichlorophenol	ND	200	ug/kg							
2,4,5-Trichlorophenol	ND	200	ug/kg							
2-Chloronaphthalene	ND	200	ug/kg							
2-Nitroaniline	ND	200	ug/kg							
Acenaphthylene	ND	200	ug/kg							
Dimethyl phthalate	ND	100	ug/kg							
2,6-Dinitrotoluene	ND	200	ug/kg							
Acenaphthene	ND	200	ug/kg							
3-Nitroaniline	ND	200	ug/kg							
Dibenzofuran	ND	200	ug/kg							
2,4-Dichlorophenol	ND	200	ug/kg							
2,4-Dinitrophenol	ND	200	ug/kg							
2,4-Dinitrotoluene	ND	200	ug/kg							
4-Nitrophenol	ND	200	ug/kg							
Fluorene	ND	200	ug/kg							
4-Chlorophenyl phenyl ether	ND	200	ug/kg							
Diethyl phthalate	ND	100	ug/kg							
4-Nitroaniline	ND	200	ug/kg							
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND	200	ug/kg							
N-Nitrosodiphenylamine	ND	200	ug/kg							
1,2-Diphenylhydrazine as Azobenzene	ND	200	ug/kg							
4-Bromophenyl phenyl ether	ND	200	ug/kg							
Hexachlorobenzene	ND	200	ug/kg							
Pentachlorophenol	ND	200	ug/kg							
Phenanthrene	ND	200	ug/kg							
Anthracene	ND	200	ug/kg							
Di-n-butyl phthalate	ND	100	ug/kg							
Fluoranthene	ND	200	ug/kg							
Benzidine	ND	1000	ug/kg							
Pyrene	ND	200	ug/kg							
Butyl benzyl phthalate	ND	100	ug/kg							
3,3'-Dichlorobenzidine	ND	200	ug/kg							
Benzo (a) anthracene (1,2-Benzanthracene)	ND	200	ug/kg							
Chrysene	ND	200	ug/kg							



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 73 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevien Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Qualifier
Batch BE63130 - EPA 3546										
Bis(2-ethylhexyl)phthalate	ND	200	ug/kg							
Di-n-octyl phthalate	ND	100	ug/kg							
Benzo (b) fluoranthene (3,4-Benzofluoranthene)	ND	200	ug/kg							
Benzo (k) fluoranthene (11,12-Benzofluoranthene)	ND	200	ug/kg							
Benzo (a) pyrene (3,4-Benzopyrene)	ND	100	ug/kg							
Indeno (1,2,3-cd) pyrene	ND	200	ug/kg							
Dibenzo(a,h)anthracene (1,2,5,6-Dibenzanthracene)	ND	200	ug/kg							
Benzo (g,h,i) perylene (1,12-Benzoperylene)	ND	200	ug/kg							
Surrogate: 2-Fluorophenol	9580		ug/kg	13330		71.9	48-117			
Surrogate: Phenol-d5	9850		ug/kg	13330		73.9	46-129			
Surrogate: Nitrobenzene-d5	4610		ug/kg	6667		69.2	46-110			
Surrogate: 2-Fluorobiphenyl	5310		ug/kg	6667		79.6	49-108			
Surrogate: 2,4,6-Tribromophenol	10500		ug/kg	13330		79.0	55-129			
Surrogate: Terphenyl-dl4	4950		ug/kg	6667		74.3	58-135			
LCS Prepared: 05/26/16 Analyzed: 05/27/16										
Phenol	2440	200	ug/kg	3333		73.2	52-101			
1,4-Dichlorobenzene	2270	200	ug/kg	3333		68.0	58-97			
1,2,4-Trichlorobenzene	2000	200	ug/kg	3333		60.1	53-99			
Acenaphthene	2610	200	ug/kg	3333		78.4	57-113			
Di-n-butyl phthalate	2660	100	ug/kg	3333		79.9	62-128			
Pyrene	2320	200	ug/kg	3333		69.5	57-124			
Surrogate: 2-Fluorophenol	9470		ug/kg	13330		71.0	56-113			
Surrogate: Phenol-d5	9990		ug/kg	13330		74.9	54-119			
Surrogate: Nitrobenzene-d5	3980		ug/kg	6667		59.6	46-119			
Surrogate: 2-Fluorobiphenyl	5240		ug/kg	6667		78.5	54-108			
Surrogate: 2,4,6-Tribromophenol	11800		ug/kg	13330		88.2	62-119			
Surrogate: Terphenyl-dl4	4760		ug/kg	6667		71.5	70-127			
LCS Dup Prepared: 06/01/16 Analyzed: 06/02/16										
Phenol	2570	200	ug/kg	3333		77.1	52-101	5.15	30	
1,4-Dichlorobenzene	2370	200	ug/kg	3333		71.2	58-97	4.53	30	
1,2,4-Trichlorobenzene	2070	200	ug/kg	3333		62.2	53-99	3.43	30	
Acenaphthene	2670	200	ug/kg	3333		80.0	57-113	2.01	30	
Di-n-butyl phthalate	2540	100	ug/kg	3333		76.3	62-128	4.61	30	
Pyrene	2350	200	ug/kg	3333		70.4	57-124	1.37	30	
Surrogate: 2-Fluorophenol	9710		ug/kg	13330		72.8	56-113			
Surrogate: Phenol-d5	10300		ug/kg	13330		77.1	54-119			
Surrogate: Nitrobenzene-d5	4120		ug/kg	6667		61.8	46-119			
Surrogate: 2-Fluorobiphenyl	5190		ug/kg	6667		77.9	54-108			



781 East Washington Blvd., Los Angeles, CA 90021
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Certificate of Analysis

Page 74 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE63130 - EPA 3546										
Surrogate: 2,4,6-Tribromophenol	11600		ug/kg	13330		86.7	62-119			
Surrogate: Terphenyl-d14	4660		ug/kg	6667		69.9	70-127			
Matrix Spike Source: 1605283-12 Prepared: 05/26/16 Analyzed: 05/27/16										
Phenol	3890	200	ug/kg	6667	ND	58.4	47-107			
1,4-Dichlorobenzene	1880	200	ug/kg	3333	ND	56.4	53-100			
1,2,4-Trichlorobenzene	1950	200	ug/kg	3333	ND	58.5	54-108			
Acenaphthene	2140	200	ug/kg	3333	ND	64.1	64-112			
Di-n-butyl phthalate	2490	100	ug/kg	3333	ND	74.8	67-133			
Pyrene	2240	200	ug/kg	3333	ND	67.2	55-132			
Surrogate: 2-Fluorophenol	7360		ug/kg	13330		55.2	55-104			
Surrogate: Phenol-d5	8400		ug/kg	13330		63.0	51-121			
Surrogate: Nitrobenzene-d5	3790		ug/kg	6667		56.9	56-105			
Surrogate: 2-Fluorobiphenyl	4460		ug/kg	6667		66.9	54-109			
Surrogate: 2,4,6-Tribromophenol	9940		ug/kg	13330		74.5	52-125			
Surrogate: Terphenyl-d14	4740		ug/kg	6667		71.0	62-141			
Matrix Spike Dup Source: 1605283-12 Prepared: 06/01/16 Analyzed: 06/02/16										
Phenol	4560	200	ug/kg	6667	ND	68.5	47-107	15.8	30	
1,4-Dichlorobenzene	2290	200	ug/kg	3333	ND	68.7	53-100	19.6	30	
1,2,4-Trichlorobenzene	2300	200	ug/kg	3333	ND	69.1	54-108	16.5	30	
Acenaphthene	2320	200	ug/kg	3333	ND	69.5	64-112	8.17	30	
Di-n-butyl phthalate	2400	100	ug/kg	3333	ND	72.0	67-133	3.84	30	
Pyrene	2310	200	ug/kg	3333	ND	69.2	55-132	3.03	30	
Surrogate: 2-Fluorophenol	8570		ug/kg	13330		64.3	55-104			
Surrogate: Phenol-d5	9620		ug/kg	13330		72.2	51-121			
Surrogate: Nitrobenzene-d5	4240		ug/kg	6667		63.7	56-105			
Surrogate: 2-Fluorobiphenyl	4830		ug/kg	6667		72.5	54-109			
Surrogate: 2,4,6-Tribromophenol	9830		ug/kg	13330		73.7	52-125			
Surrogate: Terphenyl-d14	4780		ug/kg	6667		71.7	62-141			
Batch BE62715 - EPA 3510C										
Blank Prepared: 05/26/16 Analyzed: 05/27/16										
N-Nitrosodimethylamine (NDMA)	ND	5.00	ug/l							
Pyridine	ND	5.00	ug/l							
Aniline	ND	5.00	ug/l							
Bis(2-chloroethyl)ether	ND	5.00	ug/l							
Phenol	ND	5.00	ug/l							
2-Chlorophenol	ND	5.00	ug/l							
1,3-Dichlorobenzene	ND	5.00	ug/l							
1,4-Dichlorobenzene	ND	5.00	ug/l							
1,2-Dichlorobenzene	ND	5.00	ug/l							



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 75 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62715 - EPA 3510C										
Benzyl alcohol	ND	5.00	ug/l							
Bis(2-chloroisopropyl)ether	ND	5.00	ug/l							
2-Methylphenol	ND	5.00	ug/l							
Hexachloroethane	ND	5.00	ug/l							
N-Nitrosodi-n-propylamine	ND	5.00	ug/l							
4-Methylphenol	ND	5.00	ug/l							
Nitrobenzene	ND	5.00	ug/l							
Isophorone	ND	5.00	ug/l							
2-Nitrophenol	ND	5.00	ug/l							
2,4-Dimethylphenol	ND	5.00	ug/l							
Bis(2-chloroethoxy)methane	ND	5.00	ug/l							
Benzoic acid	ND	20.0	ug/l							
1,2,4-Trichlorobenzene	ND	5.00	ug/l							
Naphthalene	ND	5.00	ug/l							
4-Chloroaniline	ND	5.00	ug/l							
Hexachlorobutadiene	ND	5.00	ug/l							
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	ND	5.00	ug/l							
2-Methylnaphthalene	ND	5.00	ug/l							
2,6-Dichlorophenol	ND	5.00	ug/l							
Hexachlorocyclopentadiene	ND	5.00	ug/l							
2,4,6-Trichlorophenol	ND	5.00	ug/l							
2,4,5-Trichlorophenol	ND	5.00	ug/l							
2-Chloronaphthalene	ND	5.00	ug/l							
2-Nitroaniline	ND	5.00	ug/l							
Acenaphthylene	ND	5.00	ug/l							
Dimethyl phthalate	ND	5.00	ug/l							
2,6-Dinitrotoluene	ND	5.00	ug/l							
Acenaphthene	ND	5.00	ug/l							
3-Nitroaniline	ND	5.00	ug/l							
2,4-Dichlorophenol	ND	5.00	ug/l							
Dibenzofuran	ND	5.00	ug/l							
2,4-Dinitrophenol	ND	5.00	ug/l							
2,4-Dinitrotoluene	ND	5.00	ug/l							
4-Nitrophenol	ND	5.00	ug/l							
Fluorene	ND	5.00	ug/l							
4-Chlorophenyl phenyl ether	ND	5.00	ug/l							
Diethyl phthalate	ND	5.00	ug/l							
4-Nitroaniline	ND	5.00	ug/l							
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	ND	5.00	ug/l							



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 76 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62715 - EPA 3510C										
N-Nitrosodiphenylamine	ND	5.00	ug/l							
Azobenzene	ND	5.00	ug/l							
1,2-Diphenylhydrazine as Azobenzene	ND	5.00	ug/l							
4-Bromophenyl phenyl ether	ND	5.00	ug/l							
Hexachlorobenzene	ND	5.00	ug/l							
Pentachlorophenol	ND	5.00	ug/l							
Phenanthrene	ND	5.00	ug/l							
Carbazole	ND	5.00	ug/l							
Anthracene	ND	5.00	ug/l							
Di-n-butyl phthalate	ND	5.00	ug/l							
Fluoranthene	ND	5.00	ug/l							
Benzidine	ND	40.0	ug/l							
Pyrene	ND	5.00	ug/l							
Butyl benzyl phthalate	ND	5.00	ug/l							
3,3'-Dichlorobenzidine	ND	5.00	ug/l							
Benzo (a) anthracene (1,2-Benzanthracene)	ND	5.00	ug/l							
Chrysene	ND	5.00	ug/l							
Bis(2-ethylhexyl)phthalate	ND	5.00	ug/l							
Di-n-octyl phthalate	ND	5.00	ug/l							
Benzo (b) fluoranthene (3,4-Benzofluoranthene)	ND	5.00	ug/l							
Benzo (k) fluoranthene (11,12-Benzofluoranthene)	ND	5.00	ug/l							
Benzo (a) pyrene (3,4-Benzopyrene)	ND	5.00	ug/l							
Indeno (1,2,3-cd) pyrene	ND	5.00	ug/l							
Dibenzo(a,h)anthracene (1,2,5,6-Dibenzanthracene)	ND	5.00	ug/l							
Benzo (g,h,i) perylene (1,12-Benzoperylene)	ND	5.00	ug/l							
Surrogate: 2-Fluorophenol	68.2		ug/l	200.0		34.1	17-110			
Surrogate: Phenol-d5	43.2		ug/l	200.0		21.6	12-110			
Surrogate: Nitrobenzene-d5	57.1		ug/l	100.0		57.1	34-110			
Surrogate: 2-Fluorobiphenyl	60.6		ug/l	100.0		60.6	36-110			
Surrogate: 2,4,6-Tribromophenol	153		ug/l	200.0		76.3	39-123			
Surrogate: Terphenyl-d14	73.1		ug/l	100.0		73.1	39-125			
LCS Prepared: 05/26/16 Analyzed: 05/27/16										
Phenol	13.2	5.00	ug/l	50.00		26.5	19-110			
1,4-Dichlorobenzene	31.4	5.00	ug/l	50.00		62.9	38-110			
1,2,4-Trichlorobenzene	27.1	5.00	ug/l	50.00		54.2	39-110			
Acenaphthene	35.4	5.00	ug/l	50.00		70.7	54-113			
Di-n-butyl phthalate	39.2	5.00	ug/l	50.00		78.5	57-130			



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 77 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62715 - EPA 3510C										
Pyrene	33.5	5.00	ug/l	50.00		67.0	53-119			
Surrogate: 2-Fluorophenol	81.2		ug/l	200.0		40.6	27-110			
Surrogate: Phenol-d5	52.4		ug/l	200.0		26.2	17-110			
Surrogate: Nitrobenzene-d5	57.3		ug/l	100.0		57.3	44-110			
Surrogate: 2-Fluorobiphenyl	67.9		ug/l	100.0		67.9	53-110			
Surrogate: 2,4,6-Tribromophenol	171		ug/l	200.0		85.4	54-125			
Surrogate: Terphenyl-d4	66.2		ug/l	100.0		66.2	52-128			
LCS Dup Prepared: 05/26/16 Analyzed: 05/27/16										
Phenol	12.7	5.00	ug/l	50.00		25.3	19-110	4.48	25	
1,4-Dichlorobenzene	30.4	5.00	ug/l	50.00		60.8	38-110	3.33	25	
1,2,4-Trichlorobenzene	26.9	5.00	ug/l	50.00		53.8	39-110	0.778	25	
Acenaphthene	37.6	5.00	ug/l	50.00		75.1	54-113	6.06	25	
Di-n-butyl phthalate	41.6	5.00	ug/l	50.00		83.1	57-130	5.74	25	
Pyrene	36.1	5.00	ug/l	50.00		72.1	53-119	7.36	25	
Surrogate: 2-Fluorophenol	73.6		ug/l	200.0		36.8	27-110			
Surrogate: Phenol-d5	48.1		ug/l	200.0		24.0	17-110			
Surrogate: Nitrobenzene-d5	59.4		ug/l	100.0		59.4	44-110			
Surrogate: 2-Fluorobiphenyl	69.4		ug/l	100.0		69.4	53-110			
Surrogate: 2,4,6-Tribromophenol	181		ug/l	200.0		90.3	54-125			
Surrogate: Terphenyl-d4	69.3		ug/l	100.0		69.3	52-128			
Batch BE62621 - EPA 3546										
Blank Prepared: 05/25/16 Analyzed: 05/26/16										
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4'-DDD	ND	2.00	ug/kg							
4,4'-DDE	ND	4.00	ug/kg							
4,4'-DDT	ND	2.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 78 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62621 - EPA 3546										
Endrin ketone	ND	6.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	10.0	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	16.9		ug/kg	16.67		101	55-126			
Surrogate: Decachlorobiphenyl	14.7		ug/kg	16.67		88.2	49-133			
LCS Prepared: 05/25/16 Analyzed: 05/26/16										
Aldrin	12.9	2.00	ug/kg	13.33		96.4	56-130			
gamma-BHC (Lindane)	12.7	2.00	ug/kg	13.33		95.4	56-133			
4,4'-DDT	15.0	2.00	ug/kg	13.33		113	56-133			
Dieldrin	16.0	2.00	ug/kg	13.33		120	62-119			
Endrin	14.3	2.00	ug/kg	13.33		107	59-127			
Heptachlor	12.8	2.00	ug/kg	13.33		95.9	55-110			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	16.6		ug/kg	16.67		99.5	54-108			
Surrogate: Decachlorobiphenyl	16.9		ug/kg	16.67		101	54-127			
Matrix Spike Source: 1605257-01 Prepared: 05/25/16 Analyzed: 05/26/16										
Aldrin	11.8	2.00	ug/kg	13.33	ND	88.2	39-124			
gamma-BHC (Lindane)	11.8	2.00	ug/kg	13.33	ND	88.7	44-120			
4,4'-DDT	34.6	2.00	ug/kg	33.33	ND	104	48-150			
Dieldrin	36.0	2.00	ug/kg	33.33	ND	108	48-144			
Endrin	33.7	2.00	ug/kg	33.33	ND	101	54-149			
Heptachlor	10.4	2.00	ug/kg	13.33	ND	78.0	46-135			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	15.4		ug/kg	16.67		92.1	57-126			
Surrogate: Decachlorobiphenyl	15.0		ug/kg	16.67		90.2	43-136			
Matrix Spike Dup Source: 1605257-01 Prepared: 05/25/16 Analyzed: 05/26/16										
Aldrin	11.8	2.00	ug/kg	13.33	ND	88.2	39-124	0.0170	30	
gamma-BHC (Lindane)	11.8	2.00	ug/kg	13.33	ND	88.7	44-120	0.0338	30	
4,4'-DDT	33.2	2.00	ug/kg	33.33	ND	99.7	48-150	4.20	30	
Dieldrin	35.1	2.00	ug/kg	33.33	ND	105	48-144	2.49	30	
Endrin	34.2	2.00	ug/kg	33.33	ND	103	54-149	1.58	30	
Heptachlor	10.2	2.00	ug/kg	13.33	ND	76.5	46-135	1.98	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	15.3		ug/kg	16.67		92.1	57-126			
Surrogate: Decachlorobiphenyl	14.0		ug/kg	16.67		84.0	43-136			
Batch BF60244 - EPA 3546										
Blank Prepared: 05/26/16 Analyzed: 05/27/16										
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							



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 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 79 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF60244 - EPA 3546										
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4'-DDD	ND	2.00	ug/kg							
4,4'-DDE	ND	4.00	ug/kg							
4,4'-DDT	ND	2.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	6.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	10.0	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	16.8		ug/kg	16.67		101	55-126			
Surrogate: Decachlorobiphenyl	15.3		ug/kg	16.67		91.7	49-133			
LCS Prepared: 05/26/16 Analyzed: 05/27/16										
Aldrin	12.1	2.00	ug/kg	13.33		91.1	56-130			
gamma-BHC (Lindane)	12.2	2.00	ug/kg	13.33		91.3	56-133			
4,4'-DDT	10.3	2.00	ug/kg	13.33		77.1	56-133			
Dieldrin	14.9	2.00	ug/kg	13.33		112	62-119			
Endrin	11.8	2.00	ug/kg	13.33		88.6	59-127			
Heptachlor	11.6	2.00	ug/kg	13.33		86.8	55-110			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	16.4		ug/kg	16.67		98.2	54-108			
Surrogate: Decachlorobiphenyl	14.9		ug/kg	16.67		89.1	54-127			
Matrix Spike Source: 1605283-14 Prepared: 05/26/16 Analyzed: 05/27/16										
Aldrin	18.5	2.00	ug/kg	13.33	ND	139	39-124			M
gamma-BHC (Lindane)	14.6	2.00	ug/kg	13.33	ND	110	44-120			
4,4'-DDT	3640	2.00	ug/kg	33.33	2450	NR	48-150			V-3
Dieldrin	122	2.00	ug/kg	33.33	44.6	233	48-144			V-3
Endrin	679	2.00	ug/kg	33.33	698	NR	54-149			V-3
Heptachlor	16.3	2.00	ug/kg	13.33	ND	122	46-135			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	19.9		ug/kg	16.67		120	57-126			
Surrogate: Decachlorobiphenyl	24.8		ug/kg	16.67		149	43-136			
Matrix Spike Dup Source: 1605283-14 Prepared: 05/26/16 Analyzed: 05/27/16										



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 80 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF60244 - EPA 3546										
Aldrin	16.8	2.00	ug/kg	13.33	ND	126	39-124	9.67	30	M
gamma-BHC (Lindane)	14.3	2.00	ug/kg	13.33	ND	107	44-120	2.22	30	
4,4'-DDT	3190	2.00	ug/kg	33.33	2450	NR	48-150	46.3	30	V-3
Dieldrin	113	2.00	ug/kg	33.33	44.6	204	48-144	13.3	30	V-3
Endrin	620	2.00	ug/kg	33.33	698	NR	54-149	NR	30	V-3
Heptachlor	15.9	2.00	ug/kg	13.33	ND	119	46-135	2.73	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	19.3		ug/kg	16.67		116	57-126			
Surrogate: Decachlorobiphenyl	22.6		ug/kg	16.67		136	43-136			

Batch BE62705 - EPA 3535A										
Blank Prepared: 05/25/16 Analyzed: 05/27/16										
Aldrin	ND	0.0100	ug/l							
alpha-BHC	ND	0.0200	ug/l							
beta-BHC	ND	0.0200	ug/l							
delta-BHC	ND	0.0200	ug/l							
gamma-BHC (Lindane)	ND	0.0200	ug/l							
alpha-Chlordane	ND	0.0500	ug/l							
gamma-Chlordane	ND	0.0500	ug/l							
4,4'-DDD	ND	0.0500	ug/l							
4,4'-DDE	ND	0.0500	ug/l							
4,4'-DDT	ND	0.0100	ug/l							
Dieldrin	ND	0.0100	ug/l							
Endosulfan I	ND	0.100	ug/l							
Endosulfan II	ND	0.0200	ug/l							
Endosulfan sulfate	ND	0.0200	ug/l							
Endrin	ND	0.0100	ug/l							
Endrin aldehyde	ND	0.0200	ug/l							
Endrin ketone	ND	0.100	ug/l							
Heptachlor	ND	0.0200	ug/l							
Heptachlor epoxide	ND	0.0200	ug/l							
Methoxychlor	ND	0.500	ug/l							
Technical Chlordane	ND	0.500	ug/l							
Toxaphene	ND	1.00	ug/l							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.186		ug/l	0.2500		74.4	36-114			
Surrogate: Decachlorobiphenyl	0.193		ug/l	0.2500		77.2	33-129			

LCS Prepared: 05/25/16 Analyzed: 05/27/16										
Aldrin	0.151	0.0100	ug/l	0.2000		75.5	40-110			
gamma-BHC (Lindane)	0.164	0.0200	ug/l	0.2000		82.0	44-101			
4,4'-DDE	0.185	0.0500	ug/l	0.2000		92.5	43-116			
4,4'-DDT	0.200	0.0100	ug/l	0.2000		100	51-125			



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 81 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62705 - EPA 3535A									
Dieldrin	0.210	0.0100	ug/l	0.2000		105 54-111			
Endrin	0.189	0.0100	ug/l	0.2000		94.5 55-120			
Heptachlor	0.169	0.0200	ug/l	0.2000		84.5 45-109			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.192		ug/l	0.2500		76.8 39-114			
Surrogate: Decachlorobiphenyl	0.182		ug/l	0.2500		72.8 36-118			
LCS Dup Prepared: 05/25/16 Analyzed: 05/27/16									
Aldrin	0.140	0.0100	ug/l	0.2000		70.0 40-110	7.56	25	
gamma-BHC (Lindane)	0.163	0.0200	ug/l	0.2000		81.5 44-101	0.612	25	
4,4'-DDE	0.178	0.0500	ug/l	0.2000		89.0 43-116	3.86	25	
4,4'-DDT	0.180	0.0100	ug/l	0.2000		90.0 51-125	10.5	25	
Dieldrin	0.204	0.0100	ug/l	0.2000		102 54-111	2.90	25	
Endrin	0.189	0.0100	ug/l	0.2000		94.5 55-120	0.00	25	
Heptachlor	0.160	0.0200	ug/l	0.2000		80.0 45-109	5.47	25	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.170		ug/l	0.2500		68.0 39-114			
Surrogate: Decachlorobiphenyl	0.177		ug/l	0.2500		70.8 36-118			
Batch BF60301 - EPA 3546									
Blank Prepared: 05/26/16 Analyzed: 05/27/16									
Aroclor-1016	ND	50.0	ug/kg						
Aroclor-1221	ND	50.0	ug/kg						
Aroclor-1232	ND	50.0	ug/kg						
Aroclor-1242	ND	50.0	ug/kg						
Aroclor-1248	ND	50.0	ug/kg						
Aroclor-1254	ND	50.0	ug/kg						
Aroclor-1260	ND	50.0	ug/kg						
Aroclor-1262	ND	50.0	ug/kg						
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	15.6		ug/kg	16.67		93.6 54-131			
Surrogate: Decachlorobiphenyl	22.9		ug/kg	16.67		137 53-131			
LCS Prepared: 05/26/16 Analyzed: 05/27/16									
Aroclor-1260	425	50.0	ug/kg	416.7		102 60-129			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	16.1		ug/kg	16.67		96.7 58-122			
Surrogate: Decachlorobiphenyl	21.0		ug/kg	16.67		126 53-141			
LCS Dup Prepared: 05/26/16 Analyzed: 05/27/16									
Aroclor-1260	356	50.0	ug/kg	416.7		85.4 60-129	17.7	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	14.1		ug/kg	16.67		84.5 58-122			
Surrogate: Decachlorobiphenyl	18.1		ug/kg	16.67		109 53-141			
Batch BE62705 - EPA 3535A									
Blank Prepared: 05/25/16 Analyzed: 05/27/16									
Aroclor-1016	ND	0.500	ug/l						



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 82 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Qualifier
Batch BE62705 - EPA 3535A								
Aroclor-1221	ND	0.500	ug/l					
Aroclor-1232	ND	0.500	ug/l					
Aroclor-1242	ND	0.500	ug/l					
Aroclor-1248	ND	0.500	ug/l					
Aroclor-1254	ND	0.500	ug/l					
Aroclor-1260	ND	0.500	ug/l					
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.183		ug/l	0.2500		73.2 36-114		
Surrogate: Decachlorobiphenyl	0.224		ug/l	0.2500		89.6 33-129		
LCS Prepared: 05/25/16 Analyzed: 05/27/16								
Aroclor-1260	5.28	0.500	ug/l	6.250		84.5 47-109		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.179		ug/l	0.2500		71.6 39-114		
Surrogate: Decachlorobiphenyl	0.230		ug/l	0.2500		92.0 36-118		
LCS Dup Prepared: 05/25/16 Analyzed: 05/27/16								
Aroclor-1260	5.81	0.500	ug/l	6.250		92.9 47-109	9.54	25
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.186		ug/l	0.2500		74.4 39-114		
Surrogate: Decachlorobiphenyl	0.247		ug/l	0.2500		98.8 36-118		
Batch BE62547 - EPA 3050B								
Blank Prepared & Analyzed: 05/25/16								
Antimony	ND	2.50	mg/kg					
Arsenic	ND	1.00	mg/kg					
Barium	ND	1.00	mg/kg					
Beryllium	ND	1.00	mg/kg					
Cadmium	ND	1.00	mg/kg					
Chromium	ND	1.00	mg/kg					
Cobalt	ND	1.00	mg/kg					
Copper	ND	1.00	mg/kg					
Lead	ND	1.00	mg/kg					
Molybdenum	ND	1.00	mg/kg					
Nickel	ND	1.00	mg/kg					
Selenium	ND	2.00	mg/kg					
Silver	ND	1.00	mg/kg					
Thallium	ND	1.00	mg/kg					
Vanadium	ND	1.00	mg/kg					
Zinc	ND	5.00	mg/kg					
LCS Prepared & Analyzed: 05/25/16								
Antimony	46.2	2.50	mg/kg	49.70		93.0 60-140		
Arsenic	48.5	1.00	mg/kg	49.22		98.6 80-120		
Barium	204	1.00	mg/kg	198.2		103 80-120		
Beryllium	4.80	1.00	mg/kg	5.000		96.0 80-120		



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 83 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62547 - EPA 3050B										
Cadmium	5.19	1.00	mg/kg	4.950		105	80-120			
Chromium	20.4	1.00	mg/kg	19.78		103	80-120			
Cobalt	52.3	1.00	mg/kg	50.20		104	80-120			
Copper	25.3	1.00	mg/kg	24.85		102	80-120			
Lead	53.0	1.00	mg/kg	49.47		107	80-120			
Molybdenum	49.4	1.00	mg/kg	49.88		99.0	80-120			
Nickel	54.1	1.00	mg/kg	49.92		108	80-120			
Selenium	46.6	2.00	mg/kg	49.70		93.7	80-120			
Silver	5.07	1.00	mg/kg	4.940		103	80-120			
Thallium	50.1	1.00	mg/kg	49.83		101	80-120			
Vanadium	47.9	1.00	mg/kg	49.50		96.7	80-120			
Zinc	53.0	5.00	mg/kg	50.40		105	80-120			
Matrix Spike Source: 1605275-02 Prepared & Analyzed: 05/25/16										
Antimony	44.9	2.50	mg/kg	49.70	3.88	82.6	60-140			
Arsenic	53.5	1.00	mg/kg	49.22	7.36	93.8	75-125			
Barium	309	1.00	mg/kg	198.2	125	92.9	75-125			
Beryllium	4.76	1.00	mg/kg	5.000	0.281	89.5	75-125			
Cadmium	10.5	1.00	mg/kg	4.950	5.94	93.1	75-125			
Chromium	146	1.00	mg/kg	19.78	123	118	75-125			
Cobalt	71.2	1.00	mg/kg	50.20	24.3	93.5	75-125			
Copper	384	1.00	mg/kg	24.85	353	127	75-125			V-2
Lead	260	1.00	mg/kg	49.47	228	63.8	75-125			V-2
Molybdenum	57.6	1.00	mg/kg	49.88	12.5	90.5	75-125			
Nickel	135	1.00	mg/kg	49.92	89.1	91.5	75-125			
Selenium	41.4	2.00	mg/kg	49.70	2.12	78.9	75-125			
Silver	4.57	1.00	mg/kg	4.940	ND	92.5	75-125			
Thallium	38.1	1.00	mg/kg	49.83	ND	76.4	75-125			
Vanadium	85.9	1.00	mg/kg	49.50	38.0	96.6	75-125			
Zinc	479	5.00	mg/kg	50.40	419	120	75-125			
Matrix Spike Dup Source: 1605275-02 Prepared & Analyzed: 05/25/16										
Antimony	44.2	2.50	mg/kg	49.70	3.88	81.1	60-140	1.78	30	
Arsenic	52.0	1.00	mg/kg	49.22	7.36	90.8	75-125	3.26	30	
Barium	318	1.00	mg/kg	198.2	125	97.6	75-125	4.87	30	
Beryllium	4.75	1.00	mg/kg	5.000	0.281	89.3	75-125	0.235	30	
Cadmium	10.5	1.00	mg/kg	4.950	5.94	93.0	75-125	0.0860	30	
Chromium	142	1.00	mg/kg	19.78	123	99.8	75-125	16.4	30	
Cobalt	69.8	1.00	mg/kg	50.20	24.3	90.7	75-125	3.08	30	
Copper	403	1.00	mg/kg	24.85	353	201	75-125	45.1	30	V-2
Lead	258	1.00	mg/kg	49.47	228	59.5	75-125	6.90	30	V-2
Molybdenum	57.7	1.00	mg/kg	49.88	12.5	90.6	75-125	0.104	30	



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Certificate of Analysis

Page 84 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62547 - EPA 3050B										
Nickel	131	1.00	mg/kg	49.92	89.1	83.8	75-125	8.80	30	
Selenium	42.6	2.00	mg/kg	49.70	2.12	81.5	75-125	3.18	30	
Silver	4.57	1.00	mg/kg	4.940	ND	92.6	75-125	0.0718	30	
Thallium	36.7	1.00	mg/kg	49.83	ND	73.7	75-125	3.63	30	
Vanadium	87.0	1.00	mg/kg	49.50	38.0	98.9	75-125	2.26	30	
Zinc	754	5.00	mg/kg	50.40	419	665	75-125	139	30	V-2

Batch BE62709 - EPA 3010A										
Blank Prepared & Analyzed: 05/26/16										
Antimony	ND	0.020	mg/L							
Arsenic	ND	0.020	mg/L							
Barium	ND	0.010	mg/L							
Beryllium	ND	0.005	mg/L							
Cadmium	ND	0.005	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Lead	ND	0.010	mg/L							
Molybdenum	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Selenium	ND	0.020	mg/L							
Silver	ND	0.010	mg/L							
Thallium	ND	0.010	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	ND	0.020	mg/L							

LCS Prepared & Analyzed: 05/26/16										
Antimony	0.476	0.020	mg/L	0.5002		95.2	60-129			
Arsenic	0.490	0.020	mg/L	0.4992		98.1	85-115			
Barium	0.510	0.010	mg/L	0.5026		101	85-115			
Beryllium	0.096	0.005	mg/L	0.09980		96.3	85-115			
Cadmium	0.198	0.005	mg/L	0.2000		99.1	85-115			
Chromium	0.505	0.010	mg/L	0.4988		101	85-115			
Cobalt	0.205	0.010	mg/L	0.1998		102	85-115			
Copper	0.479	0.010	mg/L	0.5000		95.8	85-115			
Lead	0.503	0.010	mg/L	0.4992		101	85-115			
Molybdenum	0.201	0.010	mg/L	0.1998		101	85-115			
Nickel	0.514	0.010	mg/L	0.5014		103	85-115			
Selenium	0.499	0.020	mg/L	0.4976		100	85-115			
Silver	0.050	0.010	mg/L	0.04980		99.7	85-115			
Thallium	0.485	0.010	mg/L	0.4986		97.3	85-115			



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Certificate of Analysis

Page 85 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
Batch BE62709 - EPA 3010A										
Vanadium	0.202	0.010	mg/L	0.2014		100	85-115			
Zinc	0.505	0.020	mg/L	0.4994		101	85-115			
Matrix Spike Source: 1605271-12 Prepared & Analyzed: 05/26/16										
Antimony	0.470	0.020	mg/L	0.5002	ND	94.0	53-128			
Arsenic	0.483	0.020	mg/L	0.4992	ND	96.8	80-120			
Barium	0.510	0.010	mg/L	0.5026	ND	101	80-120			
Beryllium	0.096	0.005	mg/L	0.09980	ND	96.1	80-120			
Cadmium	0.199	0.005	mg/L	0.2000	ND	99.5	80-120			
Chromium	0.505	0.010	mg/L	0.4988	ND	101	80-120			
Cobalt	0.202	0.010	mg/L	0.1998	ND	101	80-120			
Copper	0.480	0.010	mg/L	0.5000	ND	96.0	80-120			
Lead	0.495	0.010	mg/L	0.4992	ND	99.2	80-120			
Molybdenum	0.198	0.010	mg/L	0.1998	ND	99.2	80-120			
Nickel	0.507	0.010	mg/L	0.5014	ND	101	80-120			
Selenium	0.487	0.020	mg/L	0.4976	ND	97.8	80-120			
Silver	0.050	0.010	mg/L	0.04980	ND	101	80-120			
Thallium	0.484	0.010	mg/L	0.4986	ND	97.1	80-120			
Vanadium	0.201	0.010	mg/L	0.2014	ND	100	80-120			
Zinc	0.508	0.020	mg/L	0.4994	ND	102	80-120			
Matrix Spike Dup Source: 1605271-12 Prepared & Analyzed: 05/26/16										
Antimony	0.482	0.020	mg/L	0.5002	ND	96.3	53-128	2.40	20	
Arsenic	0.492	0.020	mg/L	0.4992	ND	98.5	80-120	1.74	20	
Barium	0.517	0.010	mg/L	0.5026	ND	103	80-120	1.37	20	
Beryllium	0.098	0.005	mg/L	0.09980	ND	97.8	80-120	1.76	20	
Cadmium	0.201	0.005	mg/L	0.2000	ND	100	80-120	0.868	20	
Chromium	0.511	0.010	mg/L	0.4988	ND	102	80-120	1.29	20	
Cobalt	0.207	0.010	mg/L	0.1998	ND	103	80-120	2.34	20	
Copper	0.485	0.010	mg/L	0.5000	ND	97.1	80-120	1.13	20	
Lead	0.507	0.010	mg/L	0.4992	ND	102	80-120	2.39	20	
Molybdenum	0.205	0.010	mg/L	0.1998	ND	102	80-120	3.19	20	
Nickel	0.518	0.010	mg/L	0.5014	ND	103	80-120	2.23	20	
Selenium	0.494	0.020	mg/L	0.4976	ND	99.3	80-120	1.49	20	
Silver	0.050	0.010	mg/L	0.04980	ND	101	80-120	0.101	20	
Thallium	0.502	0.010	mg/L	0.4986	ND	101	80-120	3.74	20	
Vanadium	0.204	0.010	mg/L	0.2014	ND	101	80-120	1.52	20	
Zinc	0.511	0.020	mg/L	0.4994	ND	102	80-120	0.529	20	
Batch BE62713 - EPA 7471A										
Blank Prepared: 05/25/16 Analyzed: 05/27/16										
Mercury	ND	0.100	mg/kg							



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Certificate of Analysis

Page 86 of 86

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

File #:73399
 Report Date: 06/03/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch BE62713 - EPA 7471A										
LCS Prepared: 05/25/16 Analyzed: 05/27/16										
Mercury	0.833	0.100	mg/kg	0.8350		99.8	80-120			
Matrix Spike Source: 1605283-15 Prepared: 05/25/16 Analyzed: 05/27/16										
Mercury	0.860	0.100	mg/kg	0.8350	ND	103	75-125			
Matrix Spike Dup Source: 1605283-15 Prepared: 05/25/16 Analyzed: 05/27/16										
Mercury	0.848	0.100	mg/kg	0.8350	ND	102	75-125	1.41	25	
Batch BE62712 - EPA 245.1										
Blank Prepared & Analyzed: 05/26/16										
Mercury	ND	0.001	mg/L							
LCS Prepared & Analyzed: 05/26/16										
Mercury	0.005	0.001	mg/L	0.005010		102	85-115			
Duplicate Source: 1605283-22 Prepared & Analyzed: 05/26/16										
Mercury	ND	0.001	mg/L		ND				20	
Matrix Spike Source: 1605283-22 Prepared & Analyzed: 05/26/16										
Mercury	0.005	0.001	mg/L	0.005010	ND	101	80-120			
Batch BE62622 -										
Duplicate Source: 1605283-11 Prepared & Analyzed: 05/25/16										
pH	7.6	0.1	pH Units		7.6			0.262	5	
Duplicate Source: 1605283-21 Prepared & Analyzed: 05/25/16										
pH	8.0	0.1	pH Units		7.9			0.628	5	

Notes and Definitions

- V-3 Amount spiked was less than 1/4 of concentration in the sample.
- V-2 Out-of-Range recovery was due to sample Heterogeneity.
- M Matrix interference
- NA Not Applicable
- ND Analyte NOT DETECTED at or above the detection limit
- NR Not Reported
- MDL Method Detection Limit
- PQL Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parker

Linda Masal

Authorized Signature(s)



American Environmental Testing Laboratory Inc.

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Ordered By

Positive Lab Services
781 East Washington Blvd.
Los Angeles, CA 90021-3043

Number of Pages 7
Date Received 05/25/2016
Date Reported 06/03/2016

Telephone: (213) 745-5312
Attention: John Schmidt

Job Number	Order Date	Client
82007	05/25/2016	POSLAB

Project ID: 1605283
Project Name: PO# 14899

Enclosed please find results of analyses of 11 soil and 1 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director

HER



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-6312 FAX (213) 745-6372

DATE: _____ PAGE 1 OF 2

LOG BOOK NO. _____ FILE NO. _____ LAB NO. 82007

CLIENT NAME: Positive Lab Service

Project Name/No. 1105283

P.O. NO. 14899

AIRBILL NO: _____

ADDRESS: 781 E. Washington Blvd. Los Angeles, CA 90021

ANALYSES REQUESTED:

COOLER TEMP: 3.9°C

PROJECT MANAGER: John Schmidt

PHONE NO: (213) 745-5312 FAX NO: _____

PRESERVATIVE: _____

SAMPLER NAME: Client (Printed) _____ (Signature)

REMARKS:

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# _____

BRASS VIALS

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		SAMPLE CONDITION/CONTAINER/COMMENTS:
				WATER	SOIL	SLUDGE	OTHER		#	TYPE	
1	5/24/10	1049	SB-69 @ 2'		X			N	1	G	82007.01
2		1703	SB-70 @ 2'		X						82007.02
3		1703	SB-70 @ 2' DUP								82007.03
4		1735	SB-71 @ 2'								82007.04
5		1751	SB-72 @ 2'								82007.05
6		1537	SB-73 @ 2'								82007.06
7		1349	SB-74 @ 2'								82007.07
8		1610	SB-75 @ 2'								82007.08
9		1807	SB-76 @ 2'								82007.09
10		1823	SB-77 @ 2'		X						82007.10

Requested By: (Signature and Printed Name)

Received By: (Signature and Printed Name)

Date: 5-25-10 Time: 1045

Requested By: (Signature and Printed Name)

Received By: (Signature and Printed Name)

Date: 5-25-10 Time: 1430

Requested By: (Signature and Printed Name)

Received By: (Signature and Printed Name)

Date: 5-25-10 Time: 1430

SPECIAL INSTRUCTIONS:

SAMPLE DISPOSITION:

1. Samples returned to client? YES NO

2. Samples will not be stored over 30 days, unless additional storage time is requested.

3. Storage time requested: _____ days

By _____ Date _____

HPLC

94148



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: _____ PAGE 2 OF 2

LOG BOOK NO. _____ FILE NO. _____ LAB NO. 82007

CLIENT NAME: Positive Lab Service Project Name/No. 105283 P.O. NO. _____ AIRBILL NO. _____

ADDRESS: 781 E. Washington Blvd. Los Angeles, CA 90021 ANALYSES REQUESTED: _____ COOLER TEMP: 3.9°C

PROJECT MANAGER: John Schmidt PHONE NO: (213) 745-5312 FAX NO: _____ PRESERVATIVE: _____

SAMPLER NAME: Client (Printed) _____ (Signature) _____ REMARKS: _____

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# _____

EPA REPORTS

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		REMARKS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE	
1	5/21/16	1834	SB-78C 2'		X			N	1	G	82007.11
2	↓	1920	EQ Blank 5	X				N	1	G	82007.12
3											
4											
5											
6											
7											
8											
9											
10											

Relinquished By: (Signature and Printed Name) _____ Received By: (Signature and Printed Name) _____ Date: 5-25-16 Time: 1045

Relinquished By: (Signature and Printed Name) _____ Received By: (Signature and Printed Name) _____ Date: _____ Time: _____

Relinquished By: (Signature and Printed Name) _____ Received By: (Signature and Printed Name) _____ Date: 5-25-16 Time: 1430

SPECIAL INSTRUCTIONS: _____ By _____ Date _____

SAMPLE DISPOSITION:

1. Samples returned to client? YES NO

2. Samples will not be stored over 30 days, unless additional storage time is requested.

3. Storage time requested: _____ days

PRESERVATIVE: 1-HNO3, 2-H2SO4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH4 Buffer, 7-Other

LAB COPY



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Page: 1 A

Ordered By

Positive Lab Services
781 East Washington Blvd.
Los Angeles, CA 90021-3043

Project ID: 1605283
Date Received 05/25/2016
Date Reported 06/03/2016

Telephone: (213) 745-5312
Attention: John Schmidt

Table with 3 columns: Job Number, Order Date, Client. Row 1: 82007, 05/25/2016, POSLAB

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 12 samples with the following specification on 05/25/2016.

Table with 6 columns: Lab ID, Sample ID, Sample Date, Matrix, Quantity Of Containers. Includes sub-tables for Method, Submethod, Req Date, Priority, TAT, Units.

The samples were analyzed as specified on the enclosed chain of custody. No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: [Signature]

Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Positive Lab Services
 781 East Washington Blvd.
 Los Angeles, CA 90021-3043

Telephone: (213)745-5312

Attn: John Schmidt

Page: 2

Project ID: 1605283
 Project Name: PO# 14899

AETL Job Number	Submitted	Client
82007	05/25/2016	POSTLAB

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 052516IB1

Our Lab I.D.		Method Blank	82007.01	82007.02	82007.03	82007.04
Client Sample I.D.			SB-69@2'	SB-70@2'	SB-70@2'Du p	SB-71@2'
Date Sampled			05/24/2016	05/24/2016	05/24/2016	05/24/2016
Date Prepared		05/25/2016	05/25/2016	05/25/2016	05/25/2016	05/25/2016
Preparation Method		3550B	3550B	3550B	3550B	3550B
Date Analyzed		05/31/2016	05/31/2016	05/31/2016	05/31/2016	05/31/2016
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Benzo(a)anthracene	0.010	0.020	ND	ND	ND	ND
Benzo(a)pyrene	0.010	0.020	ND	ND	ND	ND
Benzo(b)fluoranthene	0.010	0.020	ND	ND	ND	ND
Benzo(k)fluoranthene	0.010	0.020	ND	ND	ND	ND
Chrysene	0.010	0.020	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND	ND	ND
Acenaphthene	0.010	0.020	ND	ND	ND	ND
Acenaphthylene	0.010	0.020	ND	ND	ND	ND
Anthracene	0.010	0.020	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.010	0.020	ND	ND	ND	ND
Fluoranthene	0.010	0.020	ND	ND	ND	ND
Fluorene	0.010	0.020	ND	ND	ND	ND
Naphthalene	0.010	0.020	ND	ND	ND	ND
Phenanthrene	0.010	0.020	ND	ND	ND	ND
Pyrene	0.010	0.020	ND	ND	ND	ND
Our Lab I.D.		Method Blank	82007.01	82007.02	82007.03	82007.04
Surrogates	%Rec. Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
p-Terphenyl-D14	75-125	77.8	109	111	113	112



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ANALYTICAL RESULTS

Ordered By

Positive Lab Services
 781 East Washington Blvd.
 Los Angeles, CA 90021-3043

Telephone: (213)745-5312

Attn: John Schmidt

Page: 3

Project ID: 1605283
 Project Name: PO# 14899

AETL Job Number	Submitted	Client
82007	05/25/2016	POSTLAB

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 052516IB1

Our Lab I.D.			82007.05	82007.06	82007.07	82007.08	82007.09
Client Sample I.D.			SB-72@2'	SB-73@2'	SB-74@2'	SB-75@2'	SB-76@2'
Date Sampled			05/24/2016	05/24/2016	05/24/2016	05/24/2016	05/24/2016
Date Prepared			05/25/2016	05/25/2016	05/25/2016	05/25/2016	05/25/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/31/2016	05/31/2016	05/31/2016	05/31/2016	05/31/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Benzo(a)anthracene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.010	0.020	ND	ND	ND	ND	ND
Chrysene	0.010	0.020	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND	ND	ND	ND
Acenaphthene	0.010	0.020	ND	ND	ND	ND	ND
Acenaphthylene	0.010	0.020	ND	ND	ND	ND	ND
Anthracene	0.010	0.020	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.010	0.020	ND	ND	ND	ND	ND
Fluoranthene	0.010	0.020	ND	ND	ND	ND	ND
Fluorene	0.010	0.020	ND	ND	ND	ND	ND
Naphthalene	0.010	0.020	ND	ND	ND	ND	ND
Phenanthrene	0.010	0.020	ND	ND	ND	ND	ND
Pyrene	0.010	0.020	0.0115J	ND	ND	ND	ND
Our Lab I.D.			82007.05	82007.06	82007.07	82007.08	82007.09
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
p-Terphenyl-D14	75-125		108	113	108	106	102



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ANALYTICAL RESULTS

Ordered By

Positive Lab Services
 781 East Washington Blvd.
 Los Angeles, CA 90021-3043

Telephone: (213)745-5312

Attn: John Schmidt

Page: 4

Project ID: 1605283
 Project Name: PO# 14899

AETL Job Number	Submitted	Client
82007	05/25/2016	POSTLAB

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 052516IB1

Our Lab I.D.			82007.10	82007.11		
Client Sample I.D.			SB-77@2'	SB-78@2'		
Date Sampled			05/24/2016	05/24/2016		
Date Prepared			05/25/2016	05/25/2016		
Preparation Method			3550B	3550B		
Date Analyzed			05/31/2016	05/31/2016		
Matrix			Soil	Soil		
Units			mg/Kg	mg/Kg		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Benzo(a)anthracene	0.010	0.020	ND	ND		
Benzo(a)pyrene	0.010	0.020	ND	ND		
Benzo(b)fluoranthene	0.010	0.020	ND	ND		
Benzo(k)fluoranthene	0.010	0.020	ND	ND		
Chrysene	0.010	0.020	ND	ND		
Dibenzo(a,h)anthracene	0.010	0.020	ND	ND		
Indeno(1,2,3-cd)pyrene	0.010	0.020	ND	ND		
Acenaphthene	0.010	0.020	ND	ND		
Acenaphthylene	0.010	0.020	ND	ND		
Anthracene	0.010	0.020	ND	ND		
Benzo(g,h,i)perylene	0.010	0.020	ND	ND		
Fluoranthene	0.010	0.020	ND	ND		
Fluorene	0.010	0.020	ND	ND		
Naphthalene	0.010	0.020	ND	ND		
Phenanthrene	0.010	0.020	ND	ND		
Pyrene	0.010	0.020	ND	ND		
Our Lab I.D.			82007.10	82007.11		
Surrogates	%Rec.Limit		% Rec.	% Rec.		
p-Terphenyl-D14	75-125		104	105		



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ANALYTICAL RESULTS

Ordered By

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 Los Angeles, CA 90021-3043

Telephone: (213)745-5312

Attn: John Schmidt

Page: 5

Project ID: 1605283
 Project Name: PO# 14899

AETL Job Number	Submitted	Client
82007	05/25/2016	POSTLAB

Method: 8310, Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 052716IB1

Our Lab I.D.			Method Blank	82007.12		
Client Sample I.D.				EQ Blank S		
Date Sampled				05/24/2016		
Date Prepared			05/27/2016	05/27/2016		
Preparation Method			3510C	3510C		
Date Analyzed			06/02/2016	06/02/2016		
Matrix			Aqueous	Aqueous		
Units			ug/L	ug/L		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Benzo(a)anthracene	0.10	0.20	ND	ND		
Benzo(a)pyrene	0.10	0.20	ND	ND		
Benzo(b)fluoranthene	0.10	0.20	ND	ND		
Benzo(k)fluoranthene	0.10	0.20	ND	ND		
Chrysene	0.10	0.20	ND	ND		
Dibenzo(a,h)anthracene	0.10	0.20	ND	ND		
Indeno(1,2,3-cd)pyrene	0.10	0.20	ND	ND		
Acenaphthene	0.10	0.20	ND	ND		
Acenaphthylene	0.10	0.20	ND	ND		
Anthracene	0.10	0.20	ND	ND		
Benzo(g,h,i)perylene	0.10	0.20	ND	ND		
Fluoranthene	0.10	0.20	ND	ND		
Fluorene	0.10	0.20	ND	ND		
Naphthalene	0.10	0.20	ND	ND		
Phenanthrene	0.10	0.20	ND	ND		
Pyrene	0.10	0.20	ND	ND		
Our Lab I.D.			Method Blank	82007.12		
Surrogates	%Rec. Limit		% Rec.	% Rec.		
p-Terphenyl-D14	75-125		109	99.5		



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QUALITY CONTROL RESULTS

Ordered By

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 781 East Washington Blvd.
 Los Angeles, CA 90021-3043

Telephone: (213)745-5312

Attn: John Schmidt

Page: 6

Project ID: 1605283
 Project Name: PO# 14899

AETL Job Number	Submitted	Client
82007	05/25/2016	POSLAB

Method: 8310, Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 0527161B1; LCS: Clean Water; LCS Prepared: 05/27/2016; LCS Analyzed: 06/02/2016; Units: ug/L

Analytes	LCS	LCS	LCS	LCS DUP	LCS DUP	LCS DUP	LCS RPD	LCS/LCSD	LCS RPD	
	Concen	Recov	% REC	Concen	Recov	% REC	% REC	% Limit	% Limit	
Benzo(a)anthracene	0.500	0.520	104	0.500	0.480	95.8	8.21	75-125	<20	
Benzo(a)pyrene	0.500	0.490	97.0	0.500	0.480	95.2	1.87	75-125	<20	
Naphthalene	5.00	4.39	87.8	5.00	4.12	82.4	6.35	70-120	<20	
LCS										
Acenaphthene	5.00	4.25	85.0	5.00	4.05	81.0	4.82	75-125	<20	
Acenaphthylene	10.0	9.85	98.5	10.0	9.45	94.5	4.15	75-125	<20	
Anthracene	0.500	0.490	97.0	0.500	0.479	95.8	1.24	75-125	<20	
Benzo(b)fluoranthene	1.00	1.02	102	1.00	1.04	104	1.94	75-125	<20	
Benzo(g,h,i)perylene	1.00	1.04	104	1.00	1.02	102	1.94	75-125	<20	
Benzo(k)fluoranthene	0.500	0.510	103	0.500	0.505	101	1.96	75-125	<20	
Chrysene	0.500	0.500	100	0.500	0.472	94.4	5.76	75-125	<20	
Dibenzo(a,h)anthracene	1.00	1.06	106	1.00	1.02	102	3.85	75-125	<20	
Fluoranthene	1.00	1.02	102	1.00	0.991	99.1	2.88	75-125	<20	
Fluorene	1.00	0.890	88.9	1.00	0.869	86.9	2.28	75-125	<20	
Indeno(1,2,3-cd)pyrene	0.500	0.480	96.0	0.500	0.460	92.0	4.26	75-125	<20	
Phenanthrene	0.500	0.480	96.6	0.500	0.473	94.6	2.09	75-125	<20	
Pyrene	0.500	0.510	102	0.500	0.489	97.8	4.20	60-110	<20	
Surrogates										
p-Terphenyl-D14	4.00	4.45	111	4.00	4.40	110	<1	75-125	<20	



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QUALITY CONTROL RESULTS

Ordered By

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 781 East Washington Blvd.
 Los Angeles, CA 90021-3043

Telephone: (213)745-5312

Attn: John Schmidt

Page: 7

Project ID: 1605283
 Project Name: PO# 14899

AETL Job Number	Submitted	Client
82007	05/25/2016	POSLAB

Method: (8310), Polynuclear Aromatic Hydrocarbons (SW-846)

QC Batch No: 0525161B1; Dup or Spiked Sample: 82007.03; LCS: Clean Sand; QC Prepared: 05/25/2016; QC Analyzed: 05/31/2016;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzo(a)anthracene	0.00	0.0500	0.0500	103	0.0500	0.0500	103	<1	75-125	<20
Benzo(a)pyrene	0.00	0.0500	0.0500	102	0.0500	0.0500	103	<1	75-125	<20
Naphthalene	0.00	0.500	0.470	94.8	0.500	0.490	98.4	3.73	75-125	<20
Surrogates										
p-Terphenyl-D14	0.00	0.400	0.444	111	0.400	0.438	110	<1	75-125	<20

QC Batch No: 0525161B1; Dup or Spiked Sample: 82007.03; LCS: Clean Sand; QC Prepared: 05/25/2016; QC Analyzed: 05/31/2016;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Benzo(a)anthracene	0.0500	0.0500	103	0.0500	0.0500	108	4.74	75-125	<20
Benzo(a)pyrene	0.0500	0.0500	99.4	0.0500	0.0500	104	4.52	75-125	<20
Naphthalene	0.500	0.480	95.8	0.500	0.490	97.0	1.24	75-125	<20
LCS									
Acenaphthene	0.500	0.470	93.2	0.500	0.480	96.6	3.58	75-125	<20
Acenaphthylene	1.00	1.09	109	1.00	1.13	113	3.60	75-125	<20
Anthracene	0.0500	0.0500	104	0.0500	0.0500	108	3.77	75-125	<20
Benzo(b)fluoranthene	0.100	0.100	103	0.100	0.110	106	2.87	75-125	<20
Benzo(g,h,i)perylene	0.100	0.100	99.0	0.100	0.100	101	2.00	75-125	<20
Benzo(k)fluoranthene	0.0500	0.0500	102	0.0500	0.0500	107	4.78	75-125	<20
Chrysene	0.0500	0.0500	100	0.0500	0.0500	103	2.96	75-125	<20
Dibenzo(a,h)anthracene	0.100	0.100	102	0.100	0.100	104	1.94	75-125	<20
Fluoranthene	0.100	0.100	100	0.100	0.100	104	3.92	75-125	<20
Fluorene	0.100	0.100	96.1	0.100	0.100	100	3.98	75-125	<20
Indeno(1,2,3-cd)pyrene	0.0500	0.0500	94.2	0.0500	0.0500	97.4	3.34	75-125	<20
Phenanthrene	0.0500	0.0500	109	0.0500	0.0500	108	<1	75-125	<20
Pyrene	0.0500	0.0500	106	0.0500	0.0500	104	1.90	75-125	<20
Surrogates									
p-Terphenyl-D14	0.400	0.442	111	0.400	0.453	113	1.80	75-125	<20



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Data Qualifiers and Descriptors

Data Qualifier:

- #: Recovery is not within acceptable control limits.
- *: In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
- B: Analyte was present in the Method Blank.
- D: Result is from a diluted analysis.
- E: Result is beyond calibration limits and is estimated.
- H: Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
- J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- M: Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
- MCL: Maximum Contaminant Level
- NS: No Standard Available
- S6: Surrogate recovery is outside control limits due to matrix interference.
- S8: The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
- X: Results represent LCS and LCSD data.

Definition:

- %Limi: Percent acceptable limits.
- %REC: Percent recovery.
- Con.L: Acceptable Control Limits
- Conce: Added concentration to the sample.
- LCS: Laboratory Control Sample
- MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



LA Testing

520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
<http://www.LATesting.com> / pasadenalab@latesting.com

LA Testing Order ID: 321611140
Customer ID: 32POSL85
Customer PO: 14901
Project ID:

Attn: John Schmidt Phone: (213) 745-5312
Positive Lab Services Fax: (213) 745-6372
781 East Washington Blvd. Collected: 05/24/2016
Los Angeles, CA 90021 Received: 05/26/2016
Analyzed: 06/02/2016
Proj: 1605283

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm ²)	Area Analyzed (mm ²)	ASBESTOS				
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
1 321611140-0001	5/26/2016 08:20 AM	100	1288	0.0660	None Detected	ND	0.20	<0.20	0.00 - 0.72

Analyst(s)
Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 06/02/2016 18:52:39

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10µm. ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

La Testing

#321611140

94150



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: _____ PAGE 1 OF 2

LOG BOOK NO. _____ FILE NO. _____ LAB NO. _____

CLIENT NAME: Positive Lab Service Project Name/No. 1105283 P.O. NO. 14901 AIRBILL NO: _____

ADDRESS: 781 E. Washington Blvd. Los Angeles, CA 90021 ANALYSES REQUESTED: _____ COOLER TEMP: _____

PROJECT MANAGER: John Schmidt PHONE NO: (213) 745-5312 FAX NO: _____ PRESERVATIVE: _____

SAMPLER NAME: Client (Printed) _____ (Signature) _____ REMARKS: _____

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# _____

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		SAMPLE CONDITION / CONTAINER / COMMENTS:
				WATER	SOIL	SLUDGE	OTHER		#	TYPE	
1	5/24/16	900	ED Blank 5	X				N	16	X	
2											
3											
4											
5											
6											
7			Temp 6.9°C								
8											
9											
10											

Relinquished By: (Signature and Printed Name) _____ Received By: (Signature and Printed Name) _____ Date: 5-26-16 Time: _____

Relinquished By: (Signature and Printed Name) _____ Received By: (Signature and Printed Name) ibad (us) Date: 5/26/16 Time: 8a

Relinquished By: (Signature and Printed Name) _____ Received By: (Signature and Printed Name) _____ Date: _____ Time: _____

SPECIAL INSTRUCTIONS: _____

SAMPLE DISPOSITION:
 1. Samples returned to client? YES NO
 2. Samples will not be stored over 30 days, unless additional storage time is requested.
 3. Storage time requested: _____ days
 By: _____ Date: _____

PRESERVATIVE: 1-HNO3, 2-H2SO4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH4 Buffer, 7-Other

LAB COPY

Page 1 OF 3

Order ID: 321611140



Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Positive Lab Services
John Schmidt
Attn: Chemistry Dept
781 E Washington Blvd.
Los Angeles, CA 90021

Client ID: 5602
Report Number: B221975
Date Received: 05/26/16
Date Analyzed: 06/01/16
Date Printed: 06/01/16
First Reported: 06/01/16

Job ID/Site: 14903, 1605283

FALI Job ID: 5602

Date(s) Collected: 05/24/2016

Total Samples Submitted: 11

Total Samples Analyzed: 11

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
SB-69 @ 2'	50992934						
Layer: Brown Soil							
Total Composite Values of Fibrous Components: Asbestos (ND)							
Cellulose (Trace)							
Comment: *Analysis by OSHA ID-191.							
SB-70 @ 2'	50992935						
Layer: Brown Soil							
Total Composite Values of Fibrous Components: Asbestos (ND)							
Cellulose (Trace)							
Comment: *Analysis by OSHA ID-191.							
SB-70 @ 2' DUP	50992936						
Layer: Brown Soil							
Total Composite Values of Fibrous Components: Asbestos (ND)							
Cellulose (Trace)							
Comment: *Analysis by OSHA ID-191.							
SB-71 @ 2'	50992937						
Layer: Brown Soil							
Total Composite Values of Fibrous Components: Asbestos (ND)							
Cellulose (Trace)							
Comment: *Analysis by OSHA ID-191.							
SB-72 @ 2'	50992938						
Layer: Brown Soil							
Total Composite Values of Fibrous Components: Asbestos (ND)							
Cellulose (Trace)							
Comment: *Analysis by OSHA ID-191.							
SB-73 @ 2'	50992939						
Layer: Brown Soil							
Total Composite Values of Fibrous Components: Asbestos (ND)							
Cellulose (Trace)							
Comment: *Analysis by OSHA ID-191.							

Client Name: Positive Lab Services

Report Number: B221975

Date Printed: 06/01/16

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
SB-74 @ 2'	50992940						
Layer: Brown Soil		ND					
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
Comment: *Analysis by OSHA ID-191.							
SB-75 @ 2'	50992941						
Layer: Brown Soil		ND					
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
Comment: *Analysis by OSHA ID-191.							
SB-76 @ 2'	50992942						
Layer: Brown Soil		ND					
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
Comment: *Analysis by OSHA ID-191.							
SB-77 @ 2'	50992943						
Layer: Brown Soil		ND					
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
Comment: *Analysis by OSHA ID-191.							
SB-78 @ 2'	50992944						
Layer: Brown Soil		ND					
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
Comment: *Analysis by OSHA ID-191.							



Tiffani Ludd, Laboratory Supervisor, Rancho Dominguez Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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10P2

Client No.: 5602	P.O. # <u>14903</u> Date: / /
Positive Lab Services 781 E. Washington Blvd. Los Angeles, CA 90021	Turn Around Time: Same Day / 1Day / 2Day / <u>3 Day</u> / 4Day / 5Day
Contact: Jeannette Gutierrez	<input type="checkbox"/> PCM: NIOSH 7400A <input type="checkbox"/> PCM: NIOSH 7400B <input type="checkbox"/> Rotometer
Phone: 213-745-5312	<input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 - 1000 <input type="checkbox"/> CARB 435
E-Mail: jschmidt@positivelabservice.com jgutierrez@positivelabservice.com	<input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Wt % <input type="checkbox"/> TEM Microvac
Client Name:	<input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> Particle Identification (TEM LAB)
Project Name/No.: <u>1605283</u>	<input type="checkbox"/> Metals Analysis: Method AIR Paint Soil Wipe Drinking Water (Circle One) <input type="checkbox"/> TLCL >50 mg/kg <input type="checkbox"/> STLC >1000 mg/kg <input type="checkbox"/> TCLP

Report Via: Fax E-Mail Verbal

Comments: Requested by DATA ID-19

Sample ID	Date/Time	Sample Location/Description	FOR AIR SAMPLES ONLY				Sample Area or Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
SB-09 @ 2'	1703		A P C				
SB-10 @ 2'	1703		A P C				
SB-10 @ 2' DUP	1703		A P C				
SB-11 @ 2'	1705		A P C				
SB-12 @ 2'	1751		A P C				
SB-13 @ 2'	1837		A P C				
SB-14 @ 2'	1849		A P C				
SB-15 @ 2'	1816		A P C				
SB-16 @ 2'	1807		A P C				
SB-17 @ 2'	1823		A P C				

Sampled by: _____ Date: / / Time: :
 Shipped via: Fed Ex DHL UPS US Mail Courier Drop Off Other:

Relinquished by: <u>[Signature]</u> Date / Time: <u>5-26-16 11:46</u>	Relinquished by: <u>[Signature]</u> Date / Time: <u>12:43P 05-26-16</u>	Relinquished by: _____ Date / Time: _____
Received by: <u>[Signature]</u> Date / Time: <u>11:40A 05-26-16</u>	Received by: <u>[Signature]</u> Date / Time: <u>5/26/16 1:25P</u>	Received by: _____ Date / Time: _____
Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No



2 of 2

Client No.: 5602
 Positive Lab Services
 781 E. Washington Blvd.
 Los Angeles, CA 90021

P.O. # 14903 Date: / /

Turn Around Time: Same Day / 1Day / 2Day **3 Day** / 4Day / 5Day

PCM: NIOSH 7400A PCM: NIOSH 7400B Rotometer

PLM: Standard / Point Count 400 - 1000 CARB 435

Contact: **Jeannette Gutierrez**

Phone: 213-745-5312

E-Mail: jschmidt@positivelabservice.com
jgutierrez@positivelabservice.com

Client Name:

Project Name/No.: 1005283

Report Via: Fax E-Mail Verbal

Comments: **PERMITS BY OSHA ID-191**

Analytes:

Metals Analysis: Method AIR Paint Soil Wipe Drinking Water (Circle One)

TTLC >50 mg/kg STLC >1000 mg/kg TCLP

Sample ID	Date/Time	Sample Location/Description	FOR AIR SAMPLES ONLY				Sample Area or Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
50-78 @ 2'	5/26/16 11:46		A				
			P				
			C				
			A				
			P				
			C				
			A				
			P				
			C				
			A				
			P				
			C				
			A				
			P				
			C				
			A				
			P				
			C				

Sampled by: _____ Date: / / Time: :

Shipped via: Fed Ex DHL UPS US Mail Courier Drop Off Other:

Relinquished by: <i>[Signature]</i>	Relinquished by: <i>[Signature]</i>	Relinquished by:
Date / Time: 5-26-16 11:46	Date / Time: 12:43P 5-26-16	Date / Time:
Received by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Received by:
Date / Time: 11:40A 05-26-16	Date / Time: 5/26/16 11:25pm	Date / Time:
Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: June 1, 2016

Mr. John Schmidt
Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

Project: 1605283 / P.O.# 14902
Lab I.D.: 160525-43 through -54

Dear Mr. Schmidt:

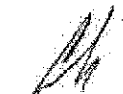
The **analytical results** for the soil and water samples, received by our lab on May 25, 2016, are attached. The samples were received chilled, intact and ~~accompanying chain of custody record.~~

The samples were received at two degree Celsius

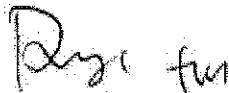
Trace concentrations between the MDL and the PQL have been reported with a "J" flag indicator.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,



Curtis Desilets
Vice President/Program Manager



Andy Wang
Laboratory Manager

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-69@2'
LAB I.D.: 160525-43

Chlorinated Herbicides Analysis


Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:

DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-70@2'
LAB I.D.: 160525-44

Chlorinated Herbicides Analysis

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:

DF = Dilution Factor


MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-70@2' Dup
LAB I.D.: 160525-45

Chlorinated Herbicides Analysis

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:

DF = Dilution Factor


MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-7102'
LAB I.D.: 160525-46

Chlorinated Herbicides Analysis

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:

DF = Dilution Factor


MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT
DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16


SAMPLE I.D.: SB-72021
LAB I.D.: 160525-47

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:

DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-73021
LAB I.D.: 160525-48

Chlorinated Herbicides Analysis

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:

DF = Dilution Factor

MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
 781 E. Washington Blvd.,
 Los Angeles, CA 90021
 Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
 DATE SAMPLED: 05/24/16
 REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
 DATE EXTRACTED: 05/26-27/16
 DATE ANALYZED: 05/27/16
 DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-7402'
 LAB I.D.: 160525-49

Chlorinated Herbicides Analysis

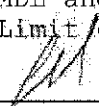
Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:

DF = Dilution Factor
 MDL = Method Detection Limit
 Actual Detection Limit = PQL X DF
 PQL = Practical Quantitation Limit
 J = Trace Concentration between MDL and PQL
 ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 
 CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-75@2'
LAB I.D.: 160525-50

Chlorinated Herbicides Analysis

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:

DF = Dilution Factor

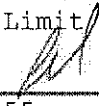
MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-76@2'
LAB I.D.: 160525-51

Chlorinated Herbicides Analysis

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:

DF = Dilution Factor

MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-7702'
LAB I.D.: 160525-52

Chlorinated Herbicides Analysis

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloropron	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:

DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/28/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-78@2'
LAB I.D.: 160525-53

Chlorinated Herbicides Analysis

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:

DF = Dilution Factor

MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: WATER

DATE SAMPLED: 05/24/16

REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16

DATE EXTRACTED: 05/25-26/16

DATE ANALYZED: 05/28/16

DATE REPORTED: 05/31/16

SAMPLE I.D.: EQ Blank 5

LAB I.D.: 160525-54

Chlorinated Herbicides Analysis

Method: EPA 8151A

UNIT: $\mu\text{G/L} = \text{MICROGRAM PER LITER} = \text{PPB}$

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.200	0.100	1
2,4,5-TP (Silvex)	ND	0.200	0.100	1
2,4-D	ND	2.00	1.00	1
2,4-DB	ND	2.00	1.00	1
Dalapon (Dichloroacetic Acid)	ND	5.00	2.50	1
Dicamba	ND	0.200	0.100	1
Dichloroprop	ND	2.00	1.00	1
Dinoseb (DNBP)	ND	1.00	0.50	1
MCPA	ND	200	100	1
MCPP	ND	200	100	1

COMMENTS:

DF = Dilution Factor


MDL = Method Detection Limit

Actual Detection Limit = $\text{PQL} \times \text{DF}$

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

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METHOD BLANK REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605257 / P.O.# 14896

MATRIX: SOIL

DATE SAMPLED: 05/24/16

REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16

DATE EXTRACTED: 05/26-27/16

DATE ANALYZED: 05/27/16

DATE REPORTED: 05/31/16

METHOD BLANK FOR LAB I.D.: 160525-43 THROUGH -53

Chlorinated Herbicides Analysis

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:

DF = Dilution Factor

MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
 1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid**
 Unit: **mg/Kg (PPM)**

Date Analyzed: **5/27-28/2016**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 160525-42 MS/MSD

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.0250	0.0198	79%	0.0199	80%	1%	0-20%	50-150

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.0250	0.0211	84%	70-130
2,4,5-TP	0.0250	0.0210	84%	70-130
DINOSEB	0.1250	0.0998	80%	70-130

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	160525-42	160525-43	160525-44	160525-45	160525-46	160525-47	160525-48
DCAA	50-150	51%	68%	72%	78%	75%	77%	76%	79%

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		160525-49	160525-50	160525-51	160525-52	160525-53			
DCAA	50-150	91%	79%	86%	85%	87%			

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:									
DCAA	50-150								

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

* = Surrogate fail due to matrix interference (if Marked)

Note: LCS, MS, MSD are in control therefore results are in control.

Analyzed and Reviewed By: 

Final Reviewer: 

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: WATER
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/25-26/16
DATE ANALYZED: 05/28/16
DATE REPORTED: 05/31/16

METHOD BLANK FOR LAB I.D.: 160525-54

Chlorinated Herbicides Analysis

Method: EPA 8151A

UNIT: uG/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.200	0.100	1
2,4,5-TP (Silvex)	ND	0.200	0.100	1
2,4-D	ND	2.00	1.00	1
2,4-DB	ND	2.00	1.00	1
Dalapon (Dichloroacetic Acid)	ND	5.00	2.50	1
Dicamba	ND	0.200	0.100	1
Dichloroprop	ND	2.00	1.00	1
Dinoseb (DNBP)	ND	1.00	0.50	1
MCPA	ND	200	100	1
MCPP	ND	200	100	1

COMMENTS:

DF = Dilution Factor


MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766

Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8151A

Matrix: **Water**
 Unit: **ug/L (PPE)**

Date Analyzed: **5/28/2016**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 160525-54 MS/MSD

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.500	0.527	105%	0.579	116%	9%	0-20%	50-150

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.500	0.623	125%	70-130
2,4,5-TP	0.500	0.567	113%	70-130
DINOSEB	2.50	3.14	126%	70-130


Surrogate Recovery:

Analyte	spk conc	ACP %	M-BLK	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:			M-BLK	160525-54					
DCAA	0.20	50-150	75%	88%					

Analyte	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:									
DCAA									

Analyte	%REC	%REC	%REC	%REC	%REC
Sample ID:					
DCAA					

S.R. = Sample Result
 spk conc = Spike Concentration
 %REC = Percent Recovery
 ACP %RPD = Acceptable Percent RPD Range
 ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

Final Reviewer: 

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Positive Lab Service**
 781 E. Washington Blvd.,
 Los Angeles, CA 90021
 Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
 DATE SAMPLED: 05/24/16
 REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
 DATE EXTRACTED: 05/26-27/16
 DATE ANALYZED: 05/27/16
 DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-69@2
 LAB I.D.: 160525-43

Organophosphorus Pesticides Analysis


Method: EPA 8141A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Azinphos Methyl	ND	0.05	0.01	1
Bolstar (Sulprofos)	ND	0.05	0.01	1
Chlorpyrifos	ND	0.05	0.01	1
Coumaphos	ND	0.05	0.01	1
Demeton-O	ND	0.05	0.01	1
Demeton-S	ND	0.05	0.01	1
Diazinon	ND	0.05	0.01	1
Dichlorvos	ND	0.05	0.01	1
Disulfoton	ND	0.05	0.01	1
Ethopron	ND	0.05	0.01	1
Fensulfothion	ND	0.05	0.01	1
Fenthion	ND	0.05	0.01	1
Merphos	ND	0.05	0.01	1
Methyl Parathion	ND	0.05	0.01	1
Mevinphos	ND	0.10	0.02	1
Naled	ND	0.10	0.02	1
Phorate	ND	0.05	0.01	1
Ronnel	ND	0.05	0.01	1
Tetrachlorvinphos (Stirophos)	ND	0.05	0.01	1
Tokuthion (Prothiofos)	ND	0.05	0.01	1
Trichloronate	ND	0.05	0.01	1

COMMENTS:

DF = Dilution Factor
 MDL = Method Detection Limit
 Actual Detection Limit = PQL X DF
 PQL = Practical Quantitation Limit
 J = Trace Concentration between MDL and PQL
 ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 
 CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

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LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-7002'
LAB I.D.: 160525-44

Organophosphorus Pesticides Analysis

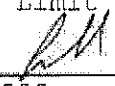
Method: EPA 8141A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Azinphos Methyl	ND	0.05	0.01	1
Bolstar (Sulprofos)	ND	0.05	0.01	1
Chlorpyrifos	ND	0.05	0.01	1
Coumaphos	ND	0.05	0.01	1
Demeton-O	ND	0.05	0.01	1
Demeton-S	ND	0.05	0.01	1
Diazinon	ND	0.05	0.01	1
Dichlorvos	ND	0.05	0.01	1
Disulfoton	ND	0.05	0.01	1
Ethoprop	ND	0.05	0.01	1
Fensulfothion	ND	0.05	0.01	1
Fenthion	ND	0.05	0.01	1
Merphos	ND	0.05	0.01	1
Methyl Parathion	ND	0.05	0.01	1
Mevinphos	ND	0.10	0.02	1
Naled	ND	0.10	0.02	1
Phorate	ND	0.05	0.01	1
Ronnel	ND	0.05	0.01	1
Tetrachlorvinphos (Stirophos)	ND	0.05	0.01	1
Tokuthion (Prothiofos)	ND	0.05	0.01	1
Trichloronate	ND	0.05	0.01	1

COMMENTS:

DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-70@2' Dup
LAB I.D.: 160525-45

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Azinphos Methyl	ND	0.05	0.01	1
Bolstar (Sulprofos)	ND	0.05	0.01	1
Chlorpyrifos	ND	0.05	0.01	1
Coumaphos	ND	0.05	0.01	1
Demeton-O	ND	0.05	0.01	1
Demeton-S	ND	0.05	0.01	1
Diazinon	ND	0.05	0.01	1
Dichlorvos	ND	0.05	0.01	1
Disulfoton	ND	0.05	0.01	1
Ethoprop	ND	0.05	0.01	1
Fensulfothion	ND	0.05	0.01	1
Fenthion	ND	0.05	0.01	1
Merphos	ND	0.05	0.01	1
Methyl Parathion	ND	0.05	0.01	1
Mevinphos	ND	0.10	0.02	1
Naled	ND	0.10	0.02	1
Phorate	ND	0.05	0.01	1
Ronnel	ND	0.05	0.01	1
Tetrachlorvinphos (Stirophos)	ND	0.05	0.01	1
Tokuthion (Prothiofos)	ND	0.05	0.01	1
Trichloronate	ND	0.05	0.01	1

COMMENTS:

DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: [Signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-7102'
LAB I.D.: 160525-46

Organophosphorus Pesticides Analysis


Method: EPA 8141A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Azinphos Methyl	ND	0.05	0.01	1
Bolstar (Sulprofos)	ND	0.05	0.01	1
Chlorpyrifos	ND	0.05	0.01	1
Coumaphos	ND	0.05	0.01	1
Demeton-O	ND	0.05	0.01	1
Demeton-S	ND	0.05	0.01	1
Diazinon	ND	0.05	0.01	1
Dichlorvos	ND	0.05	0.01	1
Disulfoton	ND	0.05	0.01	1
Ethoprop	ND	0.05	0.01	1
Fensulfothion	ND	0.05	0.01	1
Fenthion	ND	0.05	0.01	1
Merphos	ND	0.05	0.01	1
Methyl Parathion	ND	0.05	0.01	1
Mevinphos	ND	0.10	0.02	1
Naled	ND	0.10	0.02	1
Phorate	ND	0.05	0.01	1
Ronnel	ND	0.05	0.01	1
Tetrachlorvinphos (Stirophos)	ND	0.05	0.01	1
Tokuthion (Prothiofos)	ND	0.05	0.01	1
Trichloronate	ND	0.05	0.01	1

COMMENTS:

DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

SAMPLE I.D.: SB-72021
LAB I.D.: 160525-47

Organophosphorus Pesticides Analysis

Method: EPA 8141A

Unit: mg/Kg = Milligram Per Kilogram = PPM

Table with 5 columns: PARAMETER, SAMPLE RESULT, PQL, MDL, DF. Lists various pesticides like Azinphos Methyl, Bolstar, Chlorpyrifos, etc., with results mostly 'ND'.

COMMENTS:

DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: [Signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

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LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-73@2'
LAB I.D.: 160525-48

Organophosphorus Pesticides Analysis

Method: EPA 8141A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Azinphos Methyl	ND	0.05	0.01	1
Bolstar (Sulprofos)	ND	0.05	0.01	1
Chlorpyrifos	ND	0.05	0.01	1
Coumaphos	ND	0.05	0.01	1
Demeton-O	ND	0.05	0.01	1
Demeton-S	ND	0.05	0.01	1
Diazinon	ND	0.05	0.01	1
Dichlorvos	ND	0.05	0.01	1
Disulfoton	ND	0.05	0.01	1
Ethopron	ND	0.05	0.01	1
Fensulfothion	ND	0.05	0.01	1
Fenthion	ND	0.05	0.01	1
Merphos	ND	0.05	0.01	1
Methyl Parathion	ND	0.05	0.01	1
Mevinphos	ND	0.10	0.02	1
Naled	ND	0.10	0.02	1
Phorate	ND	0.05	0.01	1
Ronnel	ND	0.05	0.01	1
Tetrachlorvinphos (Stirophos)	ND	0.05	0.01	1
Tokuthion (Prothiofos)	ND	0.05	0.01	1
Trichloronate	ND	0.05	0.01	1

COMMENTS:

DF = Dilution Factor

MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL

DATE SAMPLED: 05/24/16

REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16

DATE EXTRACTED: 05/26-27/16

DATE ANALYZED: 05/27/16

DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-7402'

LAB I.D.: 160525-49

Organophosphorus Pesticides Analysis

Method: EPA 8141A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Azinphos Methyl	ND	0.05	0.01	1
Bolstar (Sulprofos)	ND	0.05	0.01	1
Chlorpyrifos	ND	0.05	0.01	1
Coumaphos	ND	0.05	0.01	1
Demeton-O	ND	0.05	0.01	1
Demeton-S	ND	0.05	0.01	1
Diazinon	ND	0.05	0.01	1
Dichlorvos	ND	0.05	0.01	1
Disulfoton	ND	0.05	0.01	1
Ethoprop	ND	0.05	0.01	1
Fensulfothion	ND	0.05	0.01	1
Fenthion	ND	0.05	0.01	1
Merphos	ND	0.05	0.01	1
Methyl Parathion	ND	0.05	0.01	1
Mevinphos	ND	0.10	0.02	1
Naled	ND	0.10	0.02	1
Phorate	ND	0.05	0.01	1
Ronnel	ND	0.05	0.01	1
Tetrachlorvinphos (Stirophos)	ND	0.05	0.01	1
Tokuthion (Prothiofos)	ND	0.05	0.01	1
Trichloronate	ND	0.05	0.01	1

COMMENTS:

DF = Dilution Factor


MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL

DATE SAMPLED: 05/24/16

REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16

DATE EXTRACTED: 05/26-27/16

DATE ANALYZED: 05/27/16

DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-7502'

LAB I.D.: 160525-50

Organophosphorus Pesticides Analysis

Method: EPA 8141A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Azinphos Methyl	ND	0.05	0.01	1
Bolstar (Sulprofos)	ND	0.05	0.01	1
Chlorpyrifos	ND	0.05	0.01	1
Coumaphos	ND	0.05	0.01	1
Demeton-O	ND	0.05	0.01	1
Demeton-S	ND	0.05	0.01	1
Diazinon	ND	0.05	0.01	1
Dichlorvos	ND	0.05	0.01	1
Disulfoton	ND	0.05	0.01	1
Ethoprop	ND	0.05	0.01	1
Fensulfothion	ND	0.05	0.01	1
Fenthion	ND	0.05	0.01	1
Merphos	ND	0.05	0.01	1
Methyl Parathion	ND	0.05	0.01	1
Mevinphos	ND	0.10	0.02	1
Naled	ND	0.10	0.02	1
Phorate	ND	0.05	0.01	1
Ronnel	ND	0.05	0.01	1
Tetrachlorvinphos (Stirophos)	ND	0.05	0.01	1
Tokuthion (Prothiofos)	ND	0.05	0.01	1
Trichloronate	ND	0.05	0.01	1

COMMENTS:

DF = Dilution Factor

MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-76@2'
LAB I.D.: 160525-51

Organophosphorus Pesticides Analysis

Method: EPA 8141A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Azinphos Methyl	ND	0.05	0.01	1
Bolstar (Sulprofos)	ND	0.05	0.01	1
Chlorpyrifos	ND	0.05	0.01	1
Coumaphos	ND	0.05	0.01	1
Demeton-O	ND	0.05	0.01	1
Demeton-S	ND	0.05	0.01	1
Diazinon	ND	0.05	0.01	1
Dichlorvos	ND	0.05	0.01	1
Disulfoton	ND	0.05	0.01	1
Ethopron	ND	0.05	0.01	1
Fensulfothion	ND	0.05	0.01	1
Fenthion	ND	0.05	0.01	1
Merphos	ND	0.05	0.01	1
Methyl Parathion	ND	0.05	0.01	1
Mevinphos	ND	0.10	0.02	1
Naled	ND	0.10	0.02	1
Phorate	ND	0.05	0.01	1
Ronnel	ND	0.05	0.01	1
Tetrachlorvinphos (Stirophos)	ND	0.05	0.01	1
Tokuthion (Prothiofos)	ND	0.05	0.01	1
Trichloronate	ND	0.05	0.01	1

COMMENTS:

DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/28/16
DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-77@2'
LAB I.D.: 160525-52

Organophosphorus Pesticides Analysis

Method: EPA 8141A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Azinphos Methyl	ND	0.05	0.01	1
Bolstar (Sulprofos)	ND	0.05	0.01	1
Chlorpyrifos	ND	0.05	0.01	1
Coumaphos	ND	0.05	0.01	1
Demeton-O	ND	0.05	0.01	1
Demeton-S	ND	0.05	0.01	1
Diazinon	ND	0.05	0.01	1
Dichlorvos	ND	0.05	0.01	1
Disulfoton	ND	0.05	0.01	1
Ethoprop	ND	0.05	0.01	1
Fensulfothion	ND	0.05	0.01	1
Fenthion	ND	0.05	0.01	1
Merphos	ND	0.05	0.01	1
Methyl Parathion	ND	0.05	0.01	1
Mevinphos	ND	0.10	0.02	1
Naled	ND	0.10	0.02	1
Phorate	ND	0.05	0.01	1
Ronnel	ND	0.05	0.01	1
Tetrachlorvinphos (Stirophos)	ND	0.05	0.01	1
Tokuthion (Prothiofos)	ND	0.05	0.01	1
Trichloronate	ND	0.05	0.01	1

COMMENTS:

DF = Dilution Factor


MDL = Method Detection Limit

Actual Detection Limit = PQL X DF

PQL = Practical Quantitation Limit

J = Trace Concentration between MDL and PQL

ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Positive Lab Service
 781 E. Washington Blvd.,
 Los Angeles, CA 90021
 Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: SOIL
 DATE SAMPLED: 05/24/16
 REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
 DATE EXTRACTED: 05/26-27/16
 DATE ANALYZED: 05/28/16
 DATE REPORTED: 05/31/16

SAMPLE I.D.: SB-78021
 LAB I.D.: 160525-53

Organophosphorus Pesticides Analysis

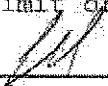
Method: EPA 8141A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Azinphos Methyl	ND	0.05	0.01	1
Bolstar (Sulprofos)	ND	0.05	0.01	1
Chlorpyrifos	ND	0.05	0.01	1
Coumaphos	ND	0.05	0.01	1
Demeton-O	ND	0.05	0.01	1
Demeton-S	ND	0.05	0.01	1
Diazinon	ND	0.05	0.01	1
Dichlorvos	ND	0.05	0.01	1
Disulfoton	ND	0.05	0.01	1
Ethoprop	ND	0.05	0.01	1
Fensulfothion	ND	0.05	0.01	1
Fenthion	ND	0.05	0.01	1
Merphos	ND	0.05	0.01	1
Methyl Parathion	ND	0.05	0.01	1
Mevinphos	ND	0.10	0.02	1
Naled	ND	0.10	0.02	1
Phorate	ND	0.05	0.01	1
Ronnel	ND	0.05	0.01	1
Tetrachlorvinphos (Stirophos)	ND	0.05	0.01	1
Tokuthion (Prothiofos)	ND	0.05	0.01	1
Trichloronate	ND	0.05	0.01	1

COMMENTS:

DF = Dilution Factor
 MDL = Method Detection Limit
 Actual Detection Limit = PQL X DF
 PQL = Practical Quantitation Limit
 J = Trace Concentration between MDL and PQL
 ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 
 CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel(213)745-5312 Fax(213)745-6372

PROJECT: 1605283 / P.O.# 14902

MATRIX: WATER
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT
DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/25-26/16
DATE ANALYZED: 05/28/16
DATE REPORTED: 05/31/16


SAMPLE I.D.: EQ Blank 5
LAB I.D.: 160525-54

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: ug/L = Microgram Per Liter = PPB

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Azinphos Methyl	ND	5	2.5	1
Bolstar (Sulprofos)	ND	5	2.5	1
Chlorpyrifos	ND	5	2.5	1
Coumaphos	ND	5	2.5	1
Demeton-O	ND	5	2.5	1
Demeton-S	ND	5	2.5	1
Diazinon	ND	5	2.5	1
Dichlorvos	ND	5	2.5	1
Disulfoton	ND	5	2.5	1
Ethoprop	ND	5	2.5	1
Fensulfothion	ND	5	2.5	1
Fenthion	ND	5	2.5	1
Merphos	ND	5	2.5	1
Methyl Parathion	ND	5	2.5	1
Mevinphos	ND	10	5	1
Naled	ND	10	5	1
Phorate	ND	5	2.5	1
Ronnel	ND	5	2.5	1
Tetrachlorvinphos (Stirophos)	ND	5	2.5	1
Tokuthion (Prothiofos)	ND	5	2.5	1
Trichloronate	ND	5	2.5	1

COMMENTS:

DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

METHOD BLANK REPORT

CUSTOMER: Positive Lab Service
781 E. Washington Blvd.,
Los Angeles, CA 90021
Tel (213) 745-5312 Fax (213) 745-6372

PROJECT: 1605257 / P.O.# 14896

MATRIX: SOIL
DATE SAMPLED: 05/24/16
REPORT TO: MR. JOHN SCHMIDT

DATE RECEIVED: 05/25/16
DATE EXTRACTED: 05/26-27/16
DATE ANALYZED: 05/27/16
DATE REPORTED: 05/31/16

METHOD BLANK FOR LAB I.D.: 160525-43 THROUGH -53

Organophosphorus Pesticides Analysis

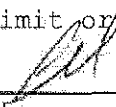
Method: EPA 8141A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Azinphos Methyl	ND	0.05	0.01	1
Bolstar (Sulprofos)	ND	0.05	0.01	1
Chlorpyrifos	ND	0.05	0.01	1
Coumaphos	ND	0.05	0.01	1
Demeton-O	ND	0.05	0.01	1
Demeton-S	ND	0.05	0.01	1
Diazinon	ND	0.05	0.01	1
Dichlorvos	ND	0.05	0.01	1
Disulfoton	ND	0.05	0.01	1
Ethoprop	ND	0.05	0.01	1
Fensulfothion	ND	0.05	0.01	1
Fenthion	ND	0.05	0.01	1
Merphos	ND	0.05	0.01	1
Methyl Parathion	ND	0.05	0.01	1
Mevinphos	ND	0.10	0.02	1
Naled	ND	0.10	0.02	1
Phorate	ND	0.05	0.01	1
Ronnel	ND	0.05	0.01	1
Tetrachlorvinphos (Stirophos)	ND	0.05	0.01	1
Tokuthion (Prothiofos)	ND	0.05	0.01	1
Trichloronate	ND	0.05	0.01	1

COMMENTS:

DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8141A QA/QC Report

Matrix: **Solid/Soil/Sludge/Liquid**
Unit: **mg/Kg (PPM)**

Date Analyzed: **5/27-28/2016**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 160525-42 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Ethoprop	0.00	0.250	0.306	122%	0.254	102%	19%	0-30%	40-140
Phorate	0.00	0.250	0.299	120%	0.294	118%	2%	0-30%	40-140
Ronnel	0.00	0.250	0.328	131%	0.326	130%	0%	0-30%	40-140
Bolstar	0.00	0.250	0.335	134%	0.346	139%	3%	0-30%	40-140

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Ethoprop	0.250	0.210	84%	40-140
Phorate	0.250	0.286	115%	40-140
Ronnel	0.250	0.344	137%	40-140
Bolstar	0.250	0.340	136%	40-140

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		M-BLK	160525-42	160525-43	160525-44	160525-45	160525-46	160525-47
Tributyl Phosphate		40-140	115%	123%	110%	113%	118%	108%
Triphenyl Phosphate		40-140	129%	151*%	134%	139%	136%	134%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	160525-48	160525-49	160525-50	160525-51	160525-52	160525-53		
Tributyl Phosphate		113%	107%	108%	107%	113%	110%	
Triphenyl Phosphate		151*%	136%	137%	131%	150*%	146*%	

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tributyl Phosphate						
Triphenyl Phosphate						

S.R. = Sample Result

spk conc = Spike Concentration


%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

* = Surrogate fail due to matrix interference (If Marked)

Note: LCS, MS, MSD are in control therefore results are in control.

Analyzed and Reviewed By: 

Final Reviewer: _____

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8141A QA/QC Report

Matrix: **Water/Liquid**
 Unit: **UG/L (PPB)**

Date Analyzed: **5/28/2016**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **160525-54 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Bolstar	0.00	250	222	89%	219	88%	2%	0-30%	40-140
Ethoprop	0.00	250	307	123%	278	111%	10%	0-30%	40-140
Ronnel	0.00	250	335	134%	314	126%	6%	0-30%	40-140
Phorate	0.00	250	346	138%	346	138%	0%	0-30%	40-140

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Bolstar	25.0	20.5	82%	40-140
Ethoprop	25.0	34.0	136%	40-140
Ronnel	25.0	34.1	137%	40-140
Phorate	25.0	32.8	131%	40-140

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	160525-54						
Tributyl Phosphate	40-140	108%	109%						
Triphenyl Phosphate	40-140	137%	137%						

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.									
Tributyl Phosphate									
Triphenyl Phosphate									

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tributyl Phosphate						
Triphenyl Phosphate						

S.R. = Sample Result

* = Surrogate fail due to matrix interference (If Marked)

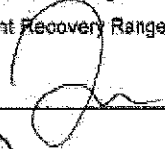
spk conc = Spike Concentration

Note: LCS, MS, MSD are in control therefore results are in control.

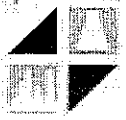
%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

Final Reviewer: 



POSITIVE LAB SERVICE

CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

DATE: _____ PAGE 1 OF 2

LOG BOOK NO. _____ FILE NO. _____ LAB NO. _____

CLIENT NAME: Positive Lab Service Project Name/No. 1005253 P.O. NO. 14902 AIRBILL NO: ea

ADDRESS: 781 E. Washington Blvd. Los Angeles, CA 90021 ANALYSES REQUESTED: _____ COOLER TEMP: 25°C

PROJECT MANAGER: John Schmidt PHONE NO: (213) 745-5312 FAX NO: _____ PRESERVATIVE: _____

SAMPLER NAME: Client (Printed) _____ (Signature) _____ REMARKS: _____

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# _____

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		REMARKS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE	
1 160525-43	5/24/10	11049	SB-69 @ 2'		X			N	1	G	SPLA OPP. SPLA HENRYS
2 -44		1703	SB-70 @ 2'						402		
3 -45		1703	SB-70 @ 2' DUP								
4 -46		1735	SB-71 @ 2'								
5 -47		1751	SB-72 @ 2'								
6 -48		1837	SB-73 @ 2'								
7 -49		1849	SB-74 @ 2'								
8 -50		1860	SB-75 @ 2'								
9 -51		1807	SB-76 @ 2'								
10 -52		1823	SB-77 @ 2'								

Relinquished By: John Schmidt (Signature and Printed Name) Received By: _____ (Signature and Printed Name) Date: 5/25/10 Time: 3:35 PM

Relinquished By: _____ (Signature and Printed Name) Received By: _____ (Signature and Printed Name) Date: _____ Time: _____

Relinquished By: _____ (Signature and Printed Name) Received By: _____ (Signature and Printed Name) Date: _____ Time: _____

SPECIAL INSTRUCTIONS: _____

SAMPLE DISPOSITION:

1. Samples returned to client? YES NO

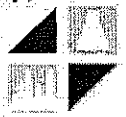
2. Samples will not be stored over 30 days, unless additional storage time is requested.

3. Storage time requested: _____ days

By _____ Date _____

Chino Valley

94147



POSITIVE
LAB SERVICE

CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-5372

DATE: _____ PAGE 2 OF 2

LOG BOOK NO. _____ FILE NO. _____ LAB NO. _____

CLIENT NAME: Positive Lab Service

Project Name/No. 1005283

P.O. NO. 14902

AIRBILL NO: _____

ADDRESS: 781 E. Washington Blvd. Los Angeles, CA 90021

ANALYSES REQUESTED:

COOLER TEMP: 20°C

PROJECT MANAGER: John Schmidt

PHONE NO: 745-5312 FAX NO: _____

PRESERVATIVE: _____

SAMPLER NAME: Client

(Printed)

(Signature)

REMARKS:

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# _____

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		REMARKS	SAMPLE CONDITION / CONTAINER / COMMENTS:
				WATER	SOIL	SLUDGE	OTHER		#	TYPE		
1	5/11/16	1834	SB-7B @ 2'		X			N	1	LA		
2	5/11/16	1900	EQ Blank S		X			N	2	LA		
3												
4												
5												
6												
7												
8												
9												
10												

Received By: (Signature and Printed Name) [Signature]

Received By: (Signature and Printed Name) [Signature]

Date: 5/25/16 Time: 3:35 PM

SAMPLE DISPOSITION:
1. Samples returned to client? YES NO

Relinquished By: (Signature and Printed Name)

Received By: (Signature and Printed Name)

Date: _____ Time: _____

2. Samples will not be stored over 30 days, unless additional storage time is requested.

Relinquished By: (Signature and Printed Name)

Received By: (Signature and Printed Name)

Date: _____ Time: _____

3. Storage time requested: _____ days

SPECIAL INSTRUCTIONS:

By _____ Date _____

PRESERVATIVE: 1-HNO3, 2-H2SO4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH4 Buffer, 7-Other

LAB COPY



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/24/16 PAGE: 1 OF 1
 FILE NO.: _____ LAB NO.: 1005285

CLIENT NAME: Oxnard School District	PROJECT NAME/NO. 1011600537	P.O.NO.	AIRBILL NO:
ADDRESS: 2200 Carnegie Court, Oxnard, CA		ANALYSES REQUESTED	

PROJECT MANAGER: Ben Chevlen	PHONE NO: 805.496.1217	FAX NO: 323.517.9781	<---PRESERVATION * REMARKS: _____
SAMPLER NAME: _____		SIGNATURE: _____	
TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal			
CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other			
UST PROJECT: Y N GLOBAL ID#: -----			

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCFs by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
			Comp 5 @ 0.5'		X			N	3	G			X					LAB TO COMPOSITE
			Comp 5 @ 2'		X			N	3	G			X					LAB TO COMPOSITE
	<u>5-24-16</u>	<u>1638</u>	SB-39 @ 0.5'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1640</u>	SB-39 @ 2'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1909</u>	SB-40 @ 0.5'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1911</u>	SB-40 @ 2'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1618</u>	SB-41 @ 0.5'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1621</u>	SB-41 @ 2'		X			N	2	G								HOLD

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/16</u>	Time: <u>9:40 pm</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/25/16 @</u>	Time: <u>7:00 am</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: _____

PAGE: 1 OF 1

FILE NO.: _____

LAB NO.: 1005213

CLIENT NAME: **Oxnard School District** PROJECT NAME/NO. **1011600537** P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: **2200 Carnegie Court, Oxnard, CA** ANALYSES REQUESTED _____ COOLER TEMP: 0.8°C

PROJECT MANAGER: **Ben Chevlen** PHONE NO: **805.496.1217** FAX NO: **323.517.9781** <---PRESERVATION * _____

SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: **Y N** GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCFs by EPA 8081A						SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
			Comp 6 @ 0.5'		X			N	3	G			X						LAB TO COMPOSITE
			Comp 6 @ 2'		X			N	3	G			X						LAB TO COMPOSITE
			Comp 6 @ 2' DUP		X			N	3	G			X						LAB TO COMPOSITE
	5-24-16	1557	SB-42 @ 0.5'		X			N	2	G									HOLD
	5-24-16	1600	SB-42 @ 2'		X			N	2	G									HOLD
	5-24-16	1810	SB-43 @ 0.5'		X			N	2	G									HOLD
	5-24-16	1813	SB-43 @ 2'		X			N	2	G									HOLD
	5-24-16	1543	SB-44 @ 0.5'		X			N	2	G									HOLD
	5-24-16	1546	SB-44 @ 2'		X			N	2	G									HOLD

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/16</u>	Time: <u>9:40pm</u>	SAMPLE DISPOSITION
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/16</u>	Time: <u>7:00am</u>	1. Samples returned to client? Yes No
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	2. Samples will not be stored over 30 days, unless additional storage time is requested
				3. Storage time requested: _____ days, By: _____ Date: _____

SPECIAL INSTRUCTION: _____

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-24-16

PAGE: 1 OF 1

FILE NO.:

LAB NO.: 105289

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO. _____

ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 0.8°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION * _____

SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCs by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
			Comp 7 @ 0.5'		X			N	3	G			X					LAB TO COMPOSITE
			Comp 7 @ 2'		X			N	3	G			X					LAB TO COMPOSITE
	<u>5-24-16</u>	<u>1704</u>	SB-45 @ 0.5'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1710</u>	SB-45 @ 2'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1736</u>	SB-46 @ 0.5'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1739</u>	SB-46 @ 2'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1752</u>	SB-47 @ 0.5'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1758</u>	SB-47 @ 2'		X			N	2	G								HOLD

Relinquished by (Signature & Name): [Signature]

Received by (Signature & Name): [Signature]

Date: 5/24/16

Time: 9:40pm

SAMPLE DISPOSITION

1. Samples returned to client? Yes No
2. Samples will not be stored over 30 days, unless additional storage time is requested
3. Storage time requested: _____ days, By: _____ Date: _____

Relinquished by (Signature & Name): [Signature]

Received by (Signature & Name): [Signature]

Date: 5/24/16

Time: 7:00am

Relinquished by (Signature & Name): _____

Received by (Signature & Name): _____

Date: _____

Time: _____

SPECIAL INSTRUCTION:

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/24/14 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1605283

CLIENT NAME: **Oxnard School District** PROJECT NAME/NO. **1011600537** P.O.NO. AIRBILL NO:
 ADDRESS: **2200 Carnegie Court, Oxnard, CA** ANALYSES REQUESTED COOLER TEMP: 0.8°C

PROJECT MANAGER: **Ben Chevlen** PHONE NO: **805.496.1217** FAX NO: **323.517.9781** ← PRESERVATION *
 SAMPLER NAME: SIGNATURE: REMARKS:
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal Ben Chevlen 5/25/14 8:23 SEE ATTACHED EMAIL
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCs by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
			Comp 8 @ 0.5'		X			N	3	G		X						LAB TO COMPOSITE
			Comp 8 @ 0.5' DUP		X			N	3	G		X						LAB TO COMPOSITE
			Comp 8 @ 2'		X			N	3	G		X						LAB TO COMPOSITE
	<u>5-24-16</u>	<u>1900</u>	SB-48 @ 0.5'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1902</u>	SB-48 @ 2'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1850</u>	SB-49 @ 0.5'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1853</u>	SB-49 @ 2'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1837</u>	SB-50 @ 0.5'		X			N	2	G								HOLD
	<u>5-24-16</u>	<u>1846</u>	SB-50 @ 2'		X			N	2	G								HOLD
	<u>5/24/14</u>	<u>1919</u>	<u>Equibank Co</u>	X				<u>N</u>	<u>1</u>	<u>G</u>			X					

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/16</u>	Time: <u>9:40 pm</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/16</u>	Time: <u>7:00</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/24/14 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1605287

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 0.8°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781
 SAMPLER NAME: SIGNATURE: _____
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		VOCs by EPA 8260B/5035	TPH by 8015M	Asbestos by OSHA ID-191	PCB by 8082 & PAH by 8310	OCP by 8081 & OPP by 8141A	Chlorinated herbicide by 8151A	Title 22 metal by 6010B & 7471A	SVOC by 8270C & pH by 9045	SAMPLE CONDITIONS/CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/24/14</u>	<u>1649</u>	SB-69 @ 2'		X			N	3	E	X								
		<u>1649</u>	SB-69 @ 2'		X			N	2	G		X	X	X	X	X	X	X	
		<u>1703</u>	SB-70 @ 2'		X			N	3	E	X								
		<u>1703</u>	SB-70 @ 2'		X			N	2	G		X	X	X	X	X	X	X	
		<u>1703</u>	SB-70 @ 2' DUP		X			N	3	E	X								
		<u>1703</u>	SB-70 @ 2' DUP		X			N	2	G		X	X	X	X	X	X	X	
		<u>1735</u>	SB-71 @ 2'		X			N	3	E	X								
		<u>1735</u>	SB-71 @ 2'		X			N	2	G		X	X	X	X	X	X	X	

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/14</u>	Time: <u>9:40 PM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/14</u>	Time: <u>7:00 AM</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/24/14 PAGE: 1 OF 1
 FILE NO.: _____ LAB NO.: 1105283

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 0, 8°C
 PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 ← PRESERVATION *
 SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		VOCs by EPA 8260B/5035	TPH by 8015M	Asbestos by OSHA ID-191	PCB by 8082 & PAH by 8310	OCP by 8081 & OPP by 8141A	Chlorinated herbicide by 8151A	Title 22 metal by 6010B & 7471A	SVOC by 8270C & pH by 9045	SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/24/14</u>	<u>1751</u>	SB-72 @ 2'		X			N	3	E	X								
		<u>1751</u>	SB-72 @ 2'		X			N	2	G		X	X	X	X	X	X	X	
		<u>1537</u>	SB-73 @ 2'		X			N	3	E	X								
		<u>1537</u>	SB-73 @ 2'		X			N	2	G		X	X	X	X	X	X	X	
		<u>1549</u>	SB-74 @ 2'		X			N	3	E	X								
		<u>1549</u>	SB-74 @ 2'		X			N	2	G		X	X	X	X	X	X	X	
		<u>1616</u>	SB-75 @ 2'		X			N	3	E	X								
		<u>1616</u>	SB-75 @ 2'		X			N	2	G		X	X	X	X	X	X	X	

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/14</u>	Time: <u>9:40 PM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/25/14</u>	Time: <u>7:00 AM</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/24/16 PAGE: 1 OF 1
 FILE NO.: _____ LAB NO.: 1005283

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 0.8°C

PROJECT MANAGER: Ben Chevien PHONE NO: 805.496.1217 FAX NO: 323.517.9781
 SAMPLER NAME: _____ SIGNATURE: _____
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		VOCs by EPA 8260B/5035	TPH by 8015M	Asbestos by OSHA ID-191	PCB by 8082 & PAH by 8310	OCP by 8081 & OPP by 8141A	Chlorinated herbicide by 8151A	Title 22 metal by 6010B & 7471A	SVOC by 8270C & pH by 9045	SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/24/16</u>	<u>1507</u>	SB-76 @ 2'		X			N	3	E	X								
		<u>1507</u>	SB-76 @ 2'		X			N	2	G		X	X	X	X	X	X	X	
		<u>1523</u>	SB-77 @ 2'		X			N	3	E	X								
		<u>1523</u>	SB-77 @ 2'		X			N	2	G		X	X	X	X	X	X	X	
		<u>1534</u>	SB-78 @ 2'		X			N	3	E	X								
		<u>1534</u>	SB-78 @ 2'		X			N	2	G		X	X	X	X	X	X	X	
		<u>1500</u>	EQ Blank 5	X				N	12	G/PA	X	X	X	X	X	X	X	X	
			Temp Blank	X						G									

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/16</u>	Time: <u>9:40 pm</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/25/16</u>	Time: <u>9:00 am</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

June 09, 2016

Mr. Ben Chevlen
ATC Group Services LLC [Monterey Park]
25 Cupania Circle
Monterey Park, CA 91755

Report No.: 1605283

Project Name: Oxnard School District - 2200 Carnegie Court, Oxnard, CA /
1011600537

Dear Mr. Ben Chevlen,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on May 24, 2016.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.


Project Manager



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-39 @ 0.5' Soil (1605283-23) Sampled:05/24/16 16:38 Received:05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	18.9		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	11.6		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	107		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDE	1440		10	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	1670		10	ug/kg	20.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	13.8		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	4.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	252		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	10.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	6.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	2.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	10.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	3100		1	ug/kg	30.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylol</i>	<i>82.6 %</i>			<i>55-126</i>		<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/06/16</i>	<i>06/07/16</i>	<i>ai</i>	<i>BF60933</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>85.4 %</i>			<i>49-133</i>		<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/06/16</i>	<i>06/07/16</i>	<i>ai</i>	<i>BF60933</i>

Sample ID: SB-39 @ 2' Soil (1605283-24) Sampled:05/24/16 16:40 Received:05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	10.3		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDE	63.4		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDT	84.6		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	20.5		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933



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Certificate of Analysis

Page 3 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-39 @ 2' Soil (1605283-24) Sampled:05/24/16 16:40 Received:05/24/16 21:40											
Toxaphene	290		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	83.9 %				55-126	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Surrogate: Decachlorobiphenyl	74.8 %				49-133	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933

Sample ID: SB-40 @ 0.5' Soil (1605283-25) Sampled:05/24/16 19:09 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	9.26		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	9.98		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	56.3		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDE	1100		10	ug/kg	160	EPA 3546 EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	1010		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	13.8		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	280		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	2480		1	ug/kg	120	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	102 %				55-126	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Surrogate: Decachlorobiphenyl	105 %				49-133	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933

Sample ID: SB-40 @ 2' Soil (1605283-26) Sampled:05/24/16 19:11 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	12.7		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	9.47		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	96.6		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDE	1260		10	ug/kg	160	EPA 3546 EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	1220		10	ug/kg	80.0	EPA 3546 EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	18.8		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	287		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933



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Page 4 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-40 @ 2' Soil (1605283-26) Sampled:05/24/16 19:11 Received:05/24/16 21:40											
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	2910		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
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Surrogate: 2,4,5,6 Tetrachloro-m-xylene	94.4 %				55-126	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Surrogate: Decachlorobiphenyl	96.0 %				49-133	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
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Sample ID: SB-41 @ 0.5' Soil (1605283-27) Sampled:05/24/16 16:18 Received:05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	15.3		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	14.5		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	594		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDE	984		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	113		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Dieldrin	87.1		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	20.1		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	1250		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
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Surrogate: 2,4,5,6 Tetrachloro-m-xylene	84.9 %				55-126	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Surrogate: Decachlorobiphenyl	77.0 %				49-133	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933

Sample ID: SB-41 @ 2' Soil (1605283-28) Sampled:05/24/16 16:21 Received:05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	50.0		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDE	520		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	500		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	9.49		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933



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Page 5 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-41 @ 2' Soil (1605283-28) Sampled:05/24/16 16:21 Received:05/24/16 21:40											
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	143		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	1690		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene 92.9 % 55-126 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>											
<i>Surrogate: Decachlorobiphenyl 99.5 % 49-133 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>											

Sample ID: SB-42 @ 0.5' Soil (1605283-29) Sampled:05/24/16 15:57 Received:05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	12.5		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	10.4		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	101		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDE	1000		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	554		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	17.1		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	170		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	1820		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene 90.2 % 55-126 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>											
<i>Surrogate: Decachlorobiphenyl 106 % 49-133 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>											

Sample ID: SB-42 @ 2' Soil (1605283-30) Sampled:05/24/16 16:00 Received:05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933



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Page 6 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-42 @ 2' Soil	(1605283-30)	Sampled:05/24/16 16:00	Received:05/24/16 21:40						
gamma-Chlordane	9.68		1 ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	65.0		1 ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDE	843		5 ug/kg	80.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	584		5 ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	34.7		1 ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1 ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1 ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1 ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	179		1 ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1 ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1 ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1 ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1 ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1 ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1 ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	1950		1 ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylol</i>		<i>89.7 %</i>		<i>55-126</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/06/16</i>	<i>06/07/16</i>	<i>ai</i>	<i>BF60933</i>
<i>Surrogate: Decachlorobiphenyl</i>		<i>91.6 %</i>		<i>49-133</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/06/16</i>	<i>06/07/16</i>	<i>ai</i>	<i>BF60933</i>

Sample ID:	SB-43 @ 0.5' Soil	(1605283-31)	Sampled:05/24/16 18:10	Received:05/24/16 21:40							
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	8.94		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	8.13		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	118		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDE	1290		10	ug/kg	160	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	961		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	29.1		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	197		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	2100		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylol</i>		<i>95.8 %</i>		<i>55-126</i>		<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/06/16</i>	<i>06/07/16</i>	<i>ai</i>	<i>BF60933</i>
<i>Surrogate: Decachlorobiphenyl</i>		<i>102 %</i>		<i>49-133</i>		<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/06/16</i>	<i>06/07/16</i>	<i>ai</i>	<i>BF60933</i>

Sample ID:	SB-43 @ 2' Soil	(1605283-32)	Sampled:05/24/16 18:13	Received:05/24/16 21:40							
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933



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Page 7 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-43 @ 2' Soil (1605283-32) Sampled: 05/24/16 18:13 Received: 05/24/16 21:40											
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	13.3		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	19.1		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	592		20	ug/kg	160	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDE	2660		20	ug/kg	320	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	2540		20	ug/kg	160	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	71.8		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	585		20	ug/kg	160	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	5260		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene, 87.6 % 55-126 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>											
<i>Surrogate: Decachlorobiphenyl, 97.6 % 49-133 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>											
Sample ID: SB-44 @ 0.5' Soil (1605283-33) Sampled: 05/24/16 15:43 Received: 05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	15.3		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	22.1		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	566		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDE	1320		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	86.5		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Dieldrin	212		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	37.3		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	1330		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene, 88.0 % 55-126 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>											



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Page 8 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-44 @ 0.5' Soil (1605283-33) Sampled:05/24/16 15:43 Received:05/24/16 21:40										
<i>Surrogate: Decachlorobiphenyl 83.9 % 49-133 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>										
Sample ID: SB-44 @ 2' Soil (1605283-34) Sampled:05/24/16 15:46 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	11.0		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	17.1		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	194		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDE	1040		5	ug/kg	80.0	EPA 3546 EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	608		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	106		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	140		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	2610		1	ug/kg	120	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene 89.3 % 55-126 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>										
<i>Surrogate: Decachlorobiphenyl 85.2 % 49-133 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>										
Sample ID: SB-45 @ 0.5' Soil (1605283-35) Sampled:05/24/16 17:04 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	11.0		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	12.2		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	241		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDE	911		5	ug/kg	80.0	EPA 3546 EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	778		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	74.3		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	125		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933



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Page 9 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-45 @ 0.5' Soil (1605283-35) Sampled: 05/24/16 17:04 Received: 05/24/16 21:40											
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	2440		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene 86.8 % 55-126 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>											
<i>Surrogate: Decachlorobiphenyl 86.5 % 49-133 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>											

Sample ID: SB-45 @ 2' Soil (1605283-36) Sampled: 05/24/16 17:10 Received: 05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	17.6		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	22.2		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	963		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDE	1330		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	428		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	190		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	82.2		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	3450		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene 92.5 % 55-126 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>											
<i>Surrogate: Decachlorobiphenyl 100 % 49-133 EPA 3546 EPA 8081A 06/06/16 06/07/16 ai BF60933</i>											

Sample ID: SB-46 @ 0.5' Soil (1605283-37) Sampled: 05/24/16 17:36 Received: 05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	15.0		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	10.2		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	95.9		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDE	809		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	470		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	40.7		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933



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ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-46 @ 0.5' Soil (1605283-37)	Sampled: 05/24/16 17:36	Received: 05/24/16 21:40							
Endrin	145	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND	1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	1750	1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>		90.4 %		55-126	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: Decachlorobiphenyl</i>		85.5 %		49-133	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933

Sample ID:	SB-46 @ 2' Soil (1605283-38)	Sampled: 05/24/16 17:36	Received: 05/24/16 21:40							
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	14.6		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	29.4		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	834		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDE	1280		5	ug/kg	80.0	EPA 3546 EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	282		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	228		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	45.6		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	3790		1	ug/kg	120	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>		93.3 %		55-126	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<i>Surrogate: Decachlorobiphenyl</i>		99.7 %		49-133	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933

Sample ID:	SB-47 @ 0.5' Soil (1605283-39)	Sampled: 05/24/16 17:52	Received: 05/24/16 21:40							
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	20.3		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	13.4		1	ug/kg	8.00	EPA 3546 EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	346		5	ug/kg	40.0	EPA 3546 EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDE	1360		5	ug/kg	80.0	EPA 3546 EPA 8081A	06/06/16	06/08/16	ai	BF60933



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Page 11 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-47 @ 0.5' Soil	(1605283-39)	Sampled:	05/24/16 17:52	Received:	05/24/16 21:40					
4,4' -DDT	583		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	73.9		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	131		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	2320		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<hr/>											
Surrogate: 2,4,5,6 Tetrachloro-m-xylol	91.4 %				55-126	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Surrogate: Decachlorobiphenyl	96.4 %				49-133	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933

Sample ID:	SB-47 @ 2' Soil	(1605283-40)	Sampled:	05/24/16 17:58	Received:	05/24/16 21:40					
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	27.2		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	21.4		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4' -DDD	497		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4' -DDE	1220		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4' -DDT	258		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	147		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	47.6		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	2410		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<hr/>											
Surrogate: 2,4,5,6 Tetrachloro-m-xylol	88.6 %				55-126	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Surrogate: Decachlorobiphenyl	87.1 %				49-133	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933

Sample ID:	SB-48 @ 0.5' Soil	(1605283-41)	Sampled:	05/24/16 19:00	Received:	05/24/16 21:40					
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933



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Page 12 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
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 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-48 @ 0.5' Soil (1605283-41) Sampled:05/24/16 19:00 Received:05/24/16 21:40											
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	21.1		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	10.1		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	122		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDE	1370		5	ug/kg	80.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	1440		5	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	19.4		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	282		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	2990		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<hr/>											
Surrogate: 2,4,5,6 Tetrachloro-m-xylol	87.6 %				55-126	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Surrogate: Decachlorobiphenyl	83.3 %				49-133	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933

Sample ID: SB-48 @ 2' Soil (1605283-42) Sampled:05/24/16 19:02 Received:05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
alpha-Chlordane	18.9		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
gamma-Chlordane	9.52		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDD	147		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
4,4'-DDE	1430		10	ug/kg	160	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
4,4'-DDT	1320		10	ug/kg	80.0	EPA 3546	EPA 8081A	06/06/16	06/08/16	ai	BF60933
Dieldrin	18.1		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin	305		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Toxaphene	3000		1	ug/kg	120	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
<hr/>											
Surrogate: 2,4,5,6 Tetrachloro-m-xylol	87.6 %				55-126	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933
Surrogate: Decachlorobiphenyl	94.3 %				49-133	EPA 3546	EPA 8081A	06/06/16	06/07/16	ai	BF60933

Sample ID: SB-49 @ 0.5' Soil (1605283-43) Sampled:05/24/16 18:50 Received:05/24/16 21:40										
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Page 13 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-49 @ 0.5' Soil (1605283-43) Sampled:05/24/16 18:50 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDD	330		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDE	849		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDT	378		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Dieldrin	76.7		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin	94.2		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Toxaphene	2220		1	ug/kg	300	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylol</i>	<i>99.1 %</i>			<i>55-126</i>		<i>EPA 3546 EPA 8081A</i>	<i>06/07/16</i>	<i>06/08/16</i>	<i>ai</i>	<i>BF60938</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>85.3 %</i>			<i>49-133</i>		<i>EPA 3546 EPA 8081A</i>	<i>06/07/16</i>	<i>06/08/16</i>	<i>ai</i>	<i>BF60938</i>
Sample ID: SB-49 @ 2' Soil (1605283-44) Sampled:05/24/16 18:53 Received:05/24/16 21:40										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDD	717		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDE	807		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDT	58.0		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Dieldrin	112		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938



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Page 14 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-49 @ 2' Soil (1605283-44) Sampled:05/24/16 18:53 Received:05/24/16 21:40											
Toxaphene	ND		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	99.2 %				55-126	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Surrogate: Decachlorobiphenyl	84.2 %				49-133	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938

Sample ID: SB-50 @ 0.5' Soil (1605283-45) Sampled:05/24/16 18:37 Received:05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDD	244		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDE	899		2	ug/kg	80.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDT	1570		2	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Dieldrin	55.1		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin	165		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Toxaphene	2850		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	102 %				55-126	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Surrogate: Decachlorobiphenyl	96.6 %				49-133	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938

Sample ID: SB-50 @ 2' Soil (1605283-46) Sampled:05/24/16 18:46 Received:05/24/16 21:40											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-Chlordane	23.3		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDD	385		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDE	1020		2	ug/kg	80.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDT	316		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Dieldrin	97.9		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin	61.3		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938



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Page 15 of 18

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PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-50 @ 2' Soil (1605283-46) Sampled:05/24/16 18:46 Received:05/24/16 21:40										
Endrin aldehyde	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin ketone	ND	1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor epoxide	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Methoxychlor	ND	1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Toxaphene	1980	1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylol.</i>	<i>97.2 %</i>			<i>55-126</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/07/16</i>	<i>06/08/16</i>	<i>ai</i>	<i>BF60938</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>89.0 %</i>			<i>49-133</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/07/16</i>	<i>06/08/16</i>	<i>ai</i>	<i>BF60938</i>



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 16 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF60933 - EPA 3546										
Blank Prepared: 06/06/16 Analyzed: 06/07/16										
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4'-DDD	ND	2.00	ug/kg							
4,4'-DDE	ND	4.00	ug/kg							
4,4'-DDT	ND	2.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	6.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	10.0	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	13.1		ug/kg	16.67		78.6	55-126			
Surrogate: Decachlorobiphenyl	14.0		ug/kg	16.67		84.2	49-133			
LCS Prepared: 06/06/16 Analyzed: 06/07/16										
Aldrin	10.8	2.00	ug/kg	13.33		80.7	56-130			
gamma-BHC (Lindane)	11.6	2.00	ug/kg	13.33		87.1	56-133			
4,4'-DDT	11.6	2.00	ug/kg	13.33		87.3	56-133			
Dieldrin	13.5	2.00	ug/kg	13.33		101	62-119			
Endrin	12.6	2.00	ug/kg	13.33		94.5	59-127			
Heptachlor	13.0	2.00	ug/kg	13.33		97.4	55-110			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	13.0		ug/kg	16.67		78.2	54-108			
Surrogate: Decachlorobiphenyl	11.8		ug/kg	16.67		70.5	54-127			
Matrix Spike Source: 1605283-27 Prepared: 06/06/16 Analyzed: 06/07/16										
Aldrin	12.2	2.00	ug/kg	13.33	ND	91.5	39-124			
gamma-BHC (Lindane)	12.4	2.00	ug/kg	13.33	ND	93.4	44-120			
4,4'-DDT	174	2.00	ug/kg	33.33	113	184	48-150			V-2
Dieldrin	129	2.00	ug/kg	33.33	87.1	125	48-144			
Endrin	58.9	2.00	ug/kg	33.33	20.1	116	54-149			



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Certificate of Analysis

Page 17 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF60933 - EPA 3546										
Heptachlor	11.9	2.00	ug/kg	13.33	ND	89.1	46-135			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	14.7		ug/kg	16.67		88.3	57-126			
Surrogate: Decachlorobiphenyl	14.3		ug/kg	16.67		85.6	43-136			
Matrix Spike Dup Source: 1605283-27 Prepared: 06/06/16 Analyzed: 06/07/16										
Aldrin	12.5	2.00	ug/kg	13.33	ND	93.8	39-124	2.54	30	
gamma-BHC (Lindane)	12.1	2.00	ug/kg	13.33	ND	91.1	44-120	2.46	30	
4,4'-DDT	141	2.00	ug/kg	33.33	113	83.4	48-150	75.3	30	V-2
Dieldrin	126	2.00	ug/kg	33.33	87.1	117	48-144	6.92	30	
Endrin	55.0	2.00	ug/kg	33.33	20.1	105	54-149	10.4	30	
Heptachlor	11.0	2.00	ug/kg	13.33	ND	82.2	46-135	8.04	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	13.5		ug/kg	16.67		81.0	57-126			
Surrogate: Decachlorobiphenyl	13.5		ug/kg	16.67		81.1	43-136			
Batch BF60938 - EPA 3546										
Blank Prepared: 06/07/16 Analyzed: 06/08/16										
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4'-DDD	ND	2.00	ug/kg							
4,4'-DDE	ND	4.00	ug/kg							
4,4'-DDT	ND	2.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	6.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	10.0	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	14.9		ug/kg	16.67		89.5	55-126			
Surrogate: Decachlorobiphenyl	15.0		ug/kg	16.67		90.0	49-133			
LCS Prepared: 06/07/16 Analyzed: 06/08/16										
Aldrin	12.1	2.00	ug/kg	13.33		90.6	56-130			



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Certificate of Analysis

Page 18 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/09/16
 Submitted: 05/24/16
PLS Report No.: 1605283

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF60938 - EPA 3546										
gamma-BHC (Lindane)	11.9	2.00	ug/kg	13.33		89.3	56-133			
4,4'-DDT	15.8	2.00	ug/kg	13.33		118	56-133			
Dieldrin	13.6	2.00	ug/kg	13.33		102	62-119			
Endrin	14.6	2.00	ug/kg	13.33		110	59-127			
Heptachlor	14.0	2.00	ug/kg	13.33		105	55-110			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	14.4		ug/kg	16.67		86.5	54-108			
Surrogate: Decachlorobiphenyl	14.7		ug/kg	16.67		88.5	54-127			

Notes and Definitions

- V-2 Out-of-Range recovery was due to sample Heterogeneity.
- NA Not Applicable
- ND Analyte NOT DETECTED at or above the detection limit
- NR Not Reported
- MDL Method Detection Limit
- PQL Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Authorized Signature(s)



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/24/16 PAGE: 1 OF 1
 FILE NO.: _____ LAB NO.: 1005285

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO. _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 0.8°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 ← PRESERVATION *

SAMPLER NAME: _____ SIGNATURE: _____

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCFs by EPA 8081A							REMARKS:
				WATER	SOIL	SLUDGE	OTHER		#	TYPE										
			Comp 5 @ 0.5'		X			N	3	G			X							
			Comp 5 @ 2'		X			N	3	G			X							
	<u>5-24-16</u>	<u>1638</u>	SB-39 @ 0.5'		X			N	2	G			<u>(X)</u>							<u>add on discrete 8081 on 3day TAT 6/6/16 via e-mail</u>
	<u>5-24-16</u>	<u>1640</u>	SB-39 @ 2'		X			N	2	G			<u>(X)</u>							
	<u>5-24-16</u>	<u>1909</u>	SB-40 @ 0.5'		X			N	2	G			<u>(X)</u>							
	<u>5-24-16</u>	<u>1911</u>	SB-40 @ 2'		X			N	2	G			<u>(X)</u>							
	<u>5-24-16</u>	<u>1618</u>	SB-41 @ 0.5'		X			N	2	G			<u>(X)</u>							
	<u>5-24-16</u>	<u>1621</u>	SB-41 @ 2'		X			N	2	G			<u>(X)</u>							

Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	SAMPLE DISPOSITION	
		<u>5/24/16</u>	<u>9:40 pm</u>		1. Samples returned to client? Yes No
		<u>5/25/16</u>	<u>7:00 am</u>		2. Samples will not be stored over 30 days, unless additional storage time is requested
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	3. Storage time requested: _____ days,	
				By: _____ Date: _____	

SPECIAL INSTRUCTION: _____

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: _____ PAGE: 1 OF 1
 FILE NO.: _____ LAB NO.: 1005283

CLIENT NAME: **Oxnard School District** PROJECT NAME/NO. **1011600537** P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: **2200 Carnegie Court, Oxnard, CA** ANALYSES REQUESTED _____ COOLER TEMP: 0.8°C

PROJECT MANAGER: **Ben Chevlen** PHONE NO: **805.496.1217** FAX NO: **323.517.9781** ← PRESERVATION *
 SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: **Y N** GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCFs by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
			Comp 6 @ 0.5'		X			N	3	G			X					LAB TO COMPOSITE
			Comp 6 @ 2'		X			N	3	G			X					LAB TO COMPOSITE
			Comp 6 @ 2' DUP		X			N	3	G			X					LAB TO COMPOSITE
	<u>5-24-16</u>	<u>1557</u>	SB-42 @ 0.5'		X			N	2	G			(X)					HOLD
	<u>5-24-16</u>	<u>1600</u>	SB-42 @ 2'		X			N	2	G			(X)					HOLD
	<u>5-24-16</u>	<u>1810</u>	SB-43 @ 0.5'		X			N	2	G			(X)					HOLD
	<u>5-24-16</u>	<u>1813</u>	SB-43 @ 2'		X			N	2	G			(X)					HOLD
	<u>5-24-16</u>	<u>1543</u>	SB-44 @ 0.5'		X			N	2	G			(X)					HOLD
	<u>5-24-16</u>	<u>1546</u>	SB-44 @ 2'		X			N	2	G			(X)					HOLD

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/16</u>	Time: <u>9:40pm</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/25/16</u>	Time: <u>7:00am</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-24-16

PAGE: 1 OF 1

FILE NO.:

LAB NO.:

1015287

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____

ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 0.8°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION * _____

SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCs by EPA 8081A						SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
			Comp 7 @ 0.5'		X			N	3	G		X							LAB TO COMPOSITE
			Comp 7 @ 2'		X			N	3	G		X							LAB TO COMPOSITE
	<u>5-24-16</u>	<u>1704</u>	SB-45 @ 0.5'		X			N	2	G		(X)							HOLD
	<u>5-24-16</u>	<u>1710</u>	SB-45 @ 2'		X			N	2	G		(X)							HOLD
	<u>5-24-16</u>	<u>1736</u>	SB-46 @ 0.5'		X			N	2	G		(X)							HOLD
	<u>5-24-16</u>	<u>1739</u>	SB-46 @ 2'		X			N	2	G		(X)							HOLD
	<u>5-24-16</u>	<u>1752</u>	SB-47 @ 0.5'		X			N	2	G		(X)							HOLD
	<u>5-24-16</u>	<u>1758</u>	SB-47 @ 2'		X			N	2	G		(X)							HOLD

Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/24/16</u>	Time: <u>9:40pm</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/24/16</u>	Time: <u>7:00am</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/24/14 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1605283

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 0.8°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 SAMPLER NAME: _____ SIGNATURE: _____

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCFs by EPA 8081A					REMARKS: <u>Ben Chevlen</u> <u>5/25/14 8:23</u> SEE ATTACHED <u>ANAL</u>
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
			Comp 8 @ 0.5'		X			N	3	G		X						LAB TO COMPOSITE
			Comp 8 @ 0.5' DUP		X			N	3	G		*						LAB TO COMPOSITE
			Comp 8 @ 2'		X			N	3	G		X						LAB TO COMPOSITE
	<u>5-24-16</u>	<u>1900</u>	SB-48 @ 0.5'		X			N	2	G		(X)						HOLD
	<u>5-24-16</u>	<u>1902</u>	SB-48 @ 2'		X			N	2	G		(X)						HOLD
	<u>5-24-16</u>	<u>1850</u>	SB-49 @ 0.5'		X			N	2	G		(X)						HOLD
	<u>5-24-16</u>	<u>1853</u>	SB-49 @ 2'		X			N	2	G		(X)						HOLD
	<u>5-24-16</u>	<u>1837</u>	SB-50 @ 0.5'		X			N	2	G		(X)						HOLD
	<u>5-24-16</u>	<u>1846</u>	SB-50 @ 2'		X			N	2	G		(X)						HOLD
	<u>5/24/14</u>	<u>1919</u>	<u>EQ Blank C</u>	X				N	1	G		X						

Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/24/16</u>	Time: <u>9:40 pm</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/24/16</u>	Time: <u>7:00</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/24/16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1605283

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 0.8°C
 PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		VOCs by EPA 8260B/5035	TPH by 8015M	Asbestos by OSHA ID-191	PCB by 8082 & PAH by 8310	OCP by 8081 & OPP by 8141A	Chlorinated herbicide by 8151A	Title 22 metal by 6010B & 7471A	SVOC by 8270C & pH by 9045	SAMPLE CONDITIONS/CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/24/16</u>	<u>1649</u>	SB-69 @ 2'		X			N	3	E	X								
		<u>1649</u>	SB-69 @ 2'		X			N	2	G		X	X	X	X	X	X	X	
		<u>1703</u>	SB-70 @ 2'		X			N	3	E	X								
		<u>1703</u>	SB-70 @ 2'		X			N	2	G		X	X	X	X	X	X	X	
		<u>1703</u>	SB-70 @ 2' DUP		X			N	3	E	X								
		<u>1703</u>	SB-70 @ 2' DUP		X			N	2	G		X	X	X	X	X	X	X	
		<u>1735</u>	SB-71 @ 2'		X			N	3	E	X								
		<u>1735</u>	SB-71 @ 2'		X			N	2	G		X	X	X	X	X	X	X	

Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/24/16</u>	Time: <u>940 pm</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/24/16 @ noon</u>	Time:	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5/24/14 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1105283

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 0.8°C
 PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		VOCs by EPA 8260B/5035	TPH by 8015M	Asbestos by OSHA ID-191	PCB by 8082 & PAH by 8310	OCP by 8081 & OPP by 8141A	Chlorinated herbicide by 8151A	Title 22 metal by 6010B & 7471A	SVOC by 8270C & pH by 9045	SAMPLE CONDITIONS/CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5/24/14</u>	<u>1751</u>	SB-72 @ 2'		X			N	3	E	X								
		<u>1751</u>	SB-72 @ 2'		X			N	2	G		X	X	X	X	X	X	X	
		<u>1537</u>	SB-73 @ 2'		X			N	3	E	X								
		<u>1537</u>	SB-73 @ 2'		X			N	2	G		X	X	X	X	X	X	X	
		<u>1549</u>	SB-74 @ 2'		X			N	3	E	X								
		<u>1549</u>	SB-74 @ 2'		X			N	2	G		X	X	X	X	X	X	X	
		<u>1616</u>	SB-75 @ 2'		X			N	3	E	X								
		<u>1616</u>	SB-75 @ 2'		X			N	2	G		X	X	X	X	X	X	X	

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/14</u>	Time: <u>9:40 PM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/24/14</u>	Time: <u>7:00 PM</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

June 06, 2016

Mr. Ben Chevlen
ATC Group Services LLC [Monterey Park]
25 Cupania Circle
Monterey Park, CA 91755

Report No.: 1605294

Project Name: Oxnard School District - 2200 Carnegie Court, Oxnard, CA /
1011600537

Dear Mr. Ben Chevlen,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on May 26, 2016.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.


Project Manager



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:73399
 Report Date: 06/06/16
 Submitted: 05/26/16
PLS Report No.: 1605294

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 9 @ 0.5' Soil (1605294-01) Sampled:05/25/16 00:00 Received:05/26/16 07:52										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-Chlordane	132		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-Chlordane	115		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDD	131		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDE	845		5	ug/kg	80.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
4,4'-DDT	862		5	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
Dieldrin	34.3		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin	155		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Toxaphene	2580		1	ug/kg	120	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>	<i>88.0 %</i>			<i>55-126</i>		<i>EPA 3546 EPA 8081A</i>	<i>05/27/16</i>	<i>05/31/16</i>	<i>ai</i>	<i>BF60309</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>76.3 %</i>			<i>49-133</i>		<i>EPA 3546 EPA 8081A</i>	<i>05/27/16</i>	<i>05/31/16</i>	<i>ai</i>	<i>BF60309</i>
Sample ID: COMP 9 @ 2' Soil (1605294-02) Sampled:05/25/16 00:00 Received:05/26/16 07:52										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-Chlordane	23.2		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDD	500		10	ug/kg	80.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
4,4'-DDE	1520		10	ug/kg	160	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
4,4'-DDT	2290		10	ug/kg	80.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
Dieldrin	82.0		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin	418		10	ug/kg	80.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309



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Certificate of Analysis

Page 3 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/06/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 9 @ 2' Soil (1605294-02) Sampled:05/25/16 00:00 Received:05/26/16 07:52

Toxaphene	3940	1	ug/kg	120	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	83.2 %			55-126	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Surrogate: Decachlorobiphenyl	83.9 %			49-133	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309

Sample ID: COMP 10 @ 0.5' Soil (1605294-03) Sampled:05/25/16 00:00 Received:05/26/16 07:52

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-Chlordane	26.3		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-Chlordane	20.7		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDD	82.9		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDE	649		5	ug/kg	80.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
4,4'-DDT	559		5	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
Dieldrin	16.7		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin	109		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Toxaphene	1300		1	ug/kg	120	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	91.0 %				55-126	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Surrogate: Decachlorobiphenyl	72.2 %				49-133	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309

Sample ID: COMP 10 @ 2' Soil (1605294-04) Sampled:05/25/16 00:00 Received:05/26/16 07:52

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-Chlordane	19.5		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-Chlordane	14.6		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDD	163		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDE	1390		10	ug/kg	160	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
4,4'-DDT	1500		10	ug/kg	80.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
Dieldrin	46.0		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin	324		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309



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Certificate of Analysis

Page 4 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/06/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 10 @ 2' Soil (1605294-04) Sampled:05/25/16 00:00 Received:05/26/16 07:52										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Toxaphene	3080		1	ug/kg	120	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>	<i>88.1 %</i>			<i>55-126</i>		<i>EPA 3546 EPA 8081A</i>	<i>05/27/16</i>	<i>05/31/16</i>	<i>ai</i>	<i>BF60309</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>78.3 %</i>			<i>49-133</i>		<i>EPA 3546 EPA 8081A</i>	<i>05/27/16</i>	<i>05/31/16</i>	<i>ai</i>	<i>BF60309</i>
Sample ID: EQ Blank 4 Water (1605294-05) Sampled:05/25/16 17:14 Received:05/26/16 07:52										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/l	0.0100	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
alpha-BHC	ND		1	ug/l	0.0200	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
beta-BHC	ND		1	ug/l	0.0200	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
delta-BHC	ND		1	ug/l	0.0200	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
gamma-BHC (Lindane)	ND		1	ug/l	0.0200	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
alpha-Chlordane	ND		1	ug/l	0.0500	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
gamma-Chlordane	ND		1	ug/l	0.0500	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
4,4'-DDD	ND		1	ug/l	0.0500	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
4,4'-DDE	ND		1	ug/l	0.0500	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
4,4'-DDT	ND		1	ug/l	0.0100	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
Dieldrin	ND		1	ug/l	0.0100	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
Endosulfan I	ND		1	ug/l	0.100	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
Endosulfan II	ND		1	ug/l	0.0200	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
Endosulfan sulfate	ND		1	ug/l	0.0200	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
Endrin	ND		1	ug/l	0.0100	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
Endrin aldehyde	ND		1	ug/l	0.0200	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
Endrin ketone	ND		1	ug/l	0.100	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
Heptachlor	ND		1	ug/l	0.0200	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
Heptachlor epoxide	ND		1	ug/l	0.0200	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
Methoxychlor	ND		1	ug/l	0.500	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
Technical Chlordane	ND		1	ug/l	0.500	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
Toxaphene	ND		1	ug/l	1.00	EPA 3535A EPA 8081A	05/25/16	06/01/16	ai	BE62705
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>	<i>80.4 %</i>			<i>36-114</i>		<i>EPA 3535A EPA 8081A</i>	<i>05/25/16</i>	<i>06/01/16</i>	<i>ai</i>	<i>BE62705</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>74.8 %</i>			<i>33-129</i>		<i>EPA 3535A EPA 8081A</i>	<i>05/25/16</i>	<i>06/01/16</i>	<i>ai</i>	<i>BE62705</i>
Sample ID: COMP 11 @ 0.5' Soil (1605294-06) Sampled:05/25/16 00:00 Received:05/26/16 07:52										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDD	93.4		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDE	844		5	ug/kg	80.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
4,4'-DDT	811		5	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
Dieldrin	9.19		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309



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Page 5 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/06/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevien Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	COMP 11 @ 0.5' Soil	(1605294-06)	Sampled:05/25/16 00:00	Received:05/26/16 07:52							
Endosulfan I	ND	1	ug/kg	16.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan II	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan sulfate	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endrin	189	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Technical Chlordane	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endrin aldehyde	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endrin ketone	ND	1	ug/kg	24.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Heptachlor	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Heptachlor epoxide	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Methoxychlor	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Toxaphene	1880	1	ug/kg	120	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
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Surrogate: 2,4,5,6 Tetrachloro-m-xylene		87.2 %		55-126	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Surrogate: Decachlorobiphenyl		90.6 %		49-133	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	

Sample ID:	COMP 11 @ 0.5' DUP Soil	(1605294-07)	Sampled:05/25/16 00:00	Received:05/26/16 07:52							
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
alpha-Chlordane	10.5		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
4,4'-DDD	91.2		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
4,4'-DDE	794		5	ug/kg	80.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309	
4,4'-DDT	723		5	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309	
Dieldrin	24.3		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endrin	169		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Toxaphene	1710		1	ug/kg	120	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
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Surrogate: 2,4,5,6 Tetrachloro-m-xylene		88.4 %		55-126	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Surrogate: Decachlorobiphenyl		80.3 %		49-133	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	

Sample ID:	COMP 11 @ 2' Soil	(1605294-08)	Sampled:05/25/16 00:00	Received:05/26/16 07:52							
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	



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Page 6 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/06/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 11 @ 2' Soil (1605294-08) Sampled:05/25/16 00:00 Received:05/26/16 07:52										
gamma-Chlordane	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDD	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDE	74.1	1	ug/kg	16.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDT	31.1	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Dieldrin	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan I	ND	1	ug/kg	16.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan II	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan sulfate	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin	9.47	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Technical Chlordane	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin aldehyde	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin ketone	ND	1	ug/kg	24.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor epoxide	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Methoxychlor	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Toxaphene	175	1	ug/kg	120	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	90.0 %			55-126	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Surrogate: Decachlorobiphenyl	76.6 %			49-133	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309

Sample ID: COMP 12 @ 0.5' Soil (1605294-09) Sampled:05/25/16 00:00 Received:05/26/16 07:52										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-Chlordane	8.76		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-Chlordane	15.1		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDD	209		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDE	1550		10	ug/kg	160	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
4,4'-DDT	1920		10	ug/kg	80.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
Dieldrin	55.5		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin	443		10	ug/kg	80.0	EPA 3546 EPA 8081A	05/27/16	06/01/16	ai	BF60309
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Toxaphene	3880		1	ug/kg	120	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	84.3 %			55-126	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Surrogate: Decachlorobiphenyl	81.5 %			49-133	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309

Sample ID: COMP 12 @ 2' Soil (1605294-10) Sampled:05/25/16 00:00 Received:05/26/16 07:52										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309



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Page 7 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/06/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	COMP 12 @ 2' Soil	(1605294-10)	Sampled: 05/25/16 00:00	Received: 05/26/16 07:52							
alpha-BHC	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
beta-BHC	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
delta-BHC	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
gamma-BHC (Lindane)	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
alpha-Chlordane	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
gamma-Chlordane	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
4,4'-DDD	12.7	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
4,4'-DDE	61.6	1	ug/kg	16.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
4,4'-DDT	49.9	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Dieldrin	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan I	ND	1	ug/kg	16.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan II	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan sulfate	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endrin	16.2	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Technical Chlordane	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endrin aldehyde	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endrin ketone	ND	1	ug/kg	24.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Heptachlor	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Heptachlor epoxide	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Methoxychlor	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Toxaphene	257	1	ug/kg	120	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
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Surrogate: 2,4,5,6 Tetrachloro-m-xylene	94.1 %			55-126	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Surrogate: Decachlorobiphenyl	76.9 %			49-133	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	

Sample ID:	COMP 12 @ 2' DUP Soil	(1605294-11)	Sampled: 05/25/16 00:00	Received: 05/26/16 07:52							
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDD	8.58		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDE	43.6		1	ug/kg	16.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDT	27.5		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin	10.1		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Toxaphene	200		1	ug/kg	120	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
<hr/>											
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	92.4 %			55-126	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	



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Certificate of Analysis

Page 8 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/06/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 12 @ 2' DUP Soil (1605294-11) Sampled:05/25/16 00:00 Received:05/26/16 07:52											
<i>Surrogate: Decachlorobiphenyl</i>		67.1 %			49-133	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Sample ID: COMP 13 @ 0.5' Soil (1605294-12) Sampled:05/25/16 00:00 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-Chlordane	9.57		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDD	125		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDE	1020		5	ug/kg	80.0	EPA 3546	EPA 8081A	05/27/16	06/01/16	ai	BF60309
4,4'-DDT	1330		5	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	06/01/16	ai	BF60309
Dieldrin	39.0		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin	265		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Toxaphene	2730		1	ug/kg	120	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>		88.2 %			55-126	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
<i>Surrogate: Decachlorobiphenyl</i>		66.2 %			49-133	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Sample ID: COMP 13 @ 2' Soil (1605294-13) Sampled:05/25/16 00:00 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
beta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
delta-BHC	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDD	11.5		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDE	51.2		1	ug/kg	16.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
4,4'-DDT	52.1		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Dieldrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin	14.0		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309



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Certificate of Analysis

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/06/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	COMP 13 @ 2'	Soil (1605294-13)	Sampled:05/25/16 00:00	Received:05/26/16 07:52							
Heptachlor epoxide	ND	1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Methoxychlor	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Toxaphene	188	1	ug/kg	120	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylol</i>		89.8 %		55-126	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
<i>Surrogate: Decachlorobiphenyl</i>		75.0 %		49-133	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	

Sample ID:	COMP 14 @ 0.5'	Soil (1605294-14)	Sampled:05/25/16 00:00	Received:05/26/16 07:52							
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
alpha-Chlordane	21.7		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
gamma-Chlordane	16.7		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
4,4'-DDD	63.5		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
4,4'-DDE	272		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
4,4'-DDT	177		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Dieldrin	13.9		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endrin	49.6		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Heptachlor	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Toxaphene	813		1	ug/kg	120	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylol</i>		87.2 %		55-126	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	
<i>Surrogate: Decachlorobiphenyl</i>		69.3 %		49-133	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309	

Sample ID:	COMP 14 @ 2'	Soil (1605294-15)	Sampled:05/25/16 00:00	Received:05/26/16 07:52							
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
alpha-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
beta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
delta-BHC	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
gamma-BHC (Lindane)	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
alpha-Chlordane	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
gamma-Chlordane	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
4,4'-DDD	56.3		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
4,4'-DDE	115		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
4,4'-DDT	28.4		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Dieldrin	9.64		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan I	ND		1	ug/kg	16.0	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan II	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	
Endosulfan sulfate	ND		1	ug/kg	8.00	EPA 3546 EPA 8081A	05/27/16	05/31/16	ai	BF60309	



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Page 10 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/06/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: COMP 14 @ 2' Soil (1605294-15) Sampled: 05/25/16 00:00 Received: 05/26/16 07:52											
Endrin	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Technical Chlordane	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin aldehyde	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Endrin ketone	ND		1	ug/kg	24.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Heptachlor epoxide	ND		1	ug/kg	8.00	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Methoxychlor	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
Toxaphene	321		1	ug/kg	120	EPA 3546	EPA 8081A	05/27/16	05/31/16	ai	BF60309
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene 86.3 % 55-126 EPA 3546 EPA 8081A 05/27/16 05/31/16 ai BF60309</i>											
<i>Surrogate: Decachlorobiphenyl 71.7 % 49-133 EPA 3546 EPA 8081A 05/27/16 05/31/16 ai BF60309</i>											

Sample ID: EQ Blank 7 Water (1605294-16) Sampled: 05/25/16 17:00 Received: 05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
alpha-BHC	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
beta-BHC	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
delta-BHC	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
gamma-BHC (Lindane)	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
alpha-Chlordane	ND		1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
gamma-Chlordane	ND		1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
4,4'-DDD	ND		1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
4,4'-DDE	ND		1	ug/l	0.0500	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
4,4'-DDT	ND		1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
Dieldrin	ND		1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
Endosulfan I	ND		1	ug/l	0.100	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
Endosulfan II	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
Endosulfan sulfate	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
Endrin	ND		1	ug/l	0.0100	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
Endrin aldehyde	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
Endrin ketone	ND		1	ug/l	0.100	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
Heptachlor	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
Heptachlor epoxide	ND		1	ug/l	0.0200	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
Methoxychlor	ND		1	ug/l	0.500	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
Technical Chlordane	ND		1	ug/l	0.500	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
Toxaphene	ND		1	ug/l	1.00	EPA 3535A	EPA 8081A	05/25/16	06/01/16	ai	BE62705
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene 80.4 % 36-114 EPA 3535A EPA 8081A 05/25/16 06/01/16 ai BE62705</i>											
<i>Surrogate: Decachlorobiphenyl 60.4 % 33-129 EPA 3535A EPA 8081A 05/25/16 06/01/16 ai BE62705</i>											



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Page 11 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/06/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC %REC	RPD RPD	Limit Limits	Limit	Qualifier
Batch BF60309 - EPA 3546										
Blank Prepared: 05/27/16 Analyzed: 05/31/16										
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4'-DDD	ND	2.00	ug/kg							
4,4'-DDE	ND	4.00	ug/kg							
4,4'-DDT	ND	2.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	6.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	10.0	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	12.8		ug/kg	16.67		76.9		55-126		
Surrogate: Decachlorobiphenyl	10.9		ug/kg	16.67		65.6		49-133		
LCS Prepared: 05/27/16 Analyzed: 05/31/16										
Aldrin	20.6	2.00	ug/kg	26.67		77.4		56-130		
gamma-BHC (Lindane)	21.9	2.00	ug/kg	26.67		82.2		56-133		
4,4'-DDT	21.4	2.00	ug/kg	26.67		80.2		56-133		
Dieldrin	27.0	2.00	ug/kg	26.67		101		62-119		
Endrin	21.7	2.00	ug/kg	26.67		81.6		59-127		
Heptachlor	23.0	2.00	ug/kg	26.67		86.4		55-110		
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	13.8		ug/kg	16.67		82.8		54-108		
Surrogate: Decachlorobiphenyl	10.5		ug/kg	16.67		62.9		54-127		
Matrix Spike Source: 1605294-03 Prepared: 05/27/16 Analyzed: 05/31/16										
Aldrin	21.0	2.00	ug/kg	26.67	ND	78.6		39-124		
gamma-BHC (Lindane)	21.1	2.00	ug/kg	26.67	ND	79.2		44-120		
4,4'-DDT	450	2.00	ug/kg	66.67	559	NR		48-150		V-3
Dieldrin	87.2	2.00	ug/kg	66.67	16.7	106		48-144		
Endrin	146	2.00	ug/kg	66.67	109	55.3		54-149		V-3



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 12 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/06/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevien Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF60309 - EPA 3546										
Heptachlor	20.1	2.00	ug/kg	26.67	ND	75.2	46-135			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	14.1		ug/kg	16.67		84.4	57-126			
Surrogate: Decachlorobiphenyl	12.1		ug/kg	16.67		72.5	43-136			
Matrix Spike Dup Source: 1605294-03 Prepared: 05/27/16 Analyzed: 05/31/16										
Aldrin	20.8	2.00	ug/kg	26.67	ND	78.1	39-124	0.579	30	
gamma-BHC (Lindane)	20.8	2.00	ug/kg	26.67	ND	78.0	44-120	1.63	30	
4,4'-DDT	459	2.00	ug/kg	66.67	559	NR	48-150	NR	30	V-3
Dieldrin	82.3	2.00	ug/kg	66.67	16.7	98.4	48-144	7.28	30	
Endrin	145	2.00	ug/kg	66.67	109	53.5	54-149	3.30	30	V-3
Heptachlor	19.9	2.00	ug/kg	26.67	ND	74.6	46-135	0.766	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	13.7		ug/kg	16.67		82.0	57-126			
Surrogate: Decachlorobiphenyl	11.8		ug/kg	16.67		70.9	43-136			
Batch BE62705 - EPA 3535A										
Blank Prepared: 05/25/16 Analyzed: 05/27/16										
Aldrin	ND	0.0100	ug/l							
alpha-BHC	ND	0.0200	ug/l							
beta-BHC	ND	0.0200	ug/l							
delta-BHC	ND	0.0200	ug/l							
gamma-BHC (Lindane)	ND	0.0200	ug/l							
alpha-Chlordane	ND	0.0500	ug/l							
gamma-Chlordane	ND	0.0500	ug/l							
4,4'-DDD	ND	0.0500	ug/l							
4,4'-DDE	ND	0.0500	ug/l							
4,4'-DDT	ND	0.0100	ug/l							
Dieldrin	ND	0.0100	ug/l							
Endosulfan I	ND	0.100	ug/l							
Endosulfan II	ND	0.0200	ug/l							
Endosulfan sulfate	ND	0.0200	ug/l							
Endrin	ND	0.0100	ug/l							
Endrin aldehyde	ND	0.0200	ug/l							
Endrin ketone	ND	0.100	ug/l							
Heptachlor	ND	0.0200	ug/l							
Heptachlor epoxide	ND	0.0200	ug/l							
Methoxychlor	ND	0.500	ug/l							
Technical Chlordane	ND	0.500	ug/l							
Toxaphene	ND	1.00	ug/l							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.186		ug/l	0.2500		74.4	36-114			
Surrogate: Decachlorobiphenyl	0.193		ug/l	0.2500		77.2	33-129			
LCS Prepared: 05/25/16 Analyzed: 05/27/16										



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 13 of 13

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/06/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BE62705 - EPA 3535A										
Aldrin	0.151	0.0100	ug/l	0.2000		75.5	40-110			
gamma-BHC (Lindane)	0.164	0.0200	ug/l	0.2000		82.0	44-101			
4,4'-DDE	0.185	0.0500	ug/l	0.2000		92.5	43-116			
4,4'-DDT	0.200	0.0100	ug/l	0.2000		100	51-125			
Dieldrin	0.210	0.0100	ug/l	0.2000		105	54-111			
Endrin	0.189	0.0100	ug/l	0.2000		94.5	55-120			
Heptachlor	0.169	0.0200	ug/l	0.2000		84.5	45-109			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.192		ug/l	0.2500		76.8	39-114			
Surrogate: Decachlorobiphenyl	0.182		ug/l	0.2500		72.8	36-118			
LCS Dup Prepared: 05/25/16 Analyzed: 05/27/16										
Aldrin	0.140	0.0100	ug/l	0.2000		70.0	40-110	7.56	25	
gamma-BHC (Lindane)	0.163	0.0200	ug/l	0.2000		81.5	44-101	0.612	25	
4,4'-DDE	0.178	0.0500	ug/l	0.2000		89.0	43-116	3.86	25	
4,4'-DDT	0.180	0.0100	ug/l	0.2000		90.0	51-125	10.5	25	
Dieldrin	0.204	0.0100	ug/l	0.2000		102	54-111	2.90	25	
Endrin	0.189	0.0100	ug/l	0.2000		94.5	55-120	0.00	25	
Heptachlor	0.160	0.0200	ug/l	0.2000		80.0	45-109	5.47	25	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	0.170		ug/l	0.2500		68.0	39-114			
Surrogate: Decachlorobiphenyl	0.177		ug/l	0.2500		70.8	36-118			

Notes and Definitions

- V-3 Amount spiked was less than 1/4 of concentration in the sample.
- NA Not Applicable
- ND Analyte NOT DETECTED at or above the detection limit
- NR Not Reported
- MDL Method Detection Limit
- PQL Practical Quantitation Limit

Authorized Signature(s)



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-25-16

PAGE: 1 OF 1

FILE NO.:

LAB NO.: ~~1097204~~ 1097204

CLIENT NAME: Oxnard School District

PROJECT NAME/NO. 1011600537

P.O.NO.

AIRBILL NO:

ADDRESS: 2200 Carnegie Court, Oxnard, CA

ANALYSES REQUESTED

COOLER TEMP: 2.0°C

PROJECT MANAGER: Ben Chevlen

PHONE NO: 805.496.1217 FAX NO: 323.517.9781

<---PRESERVATION *
 REMARKS:
 X Sample times are not needed per
 Ben C. 5/25/16 @ 10:51 via Email.

SAMPLER NAME:

SIGNATURE:

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: --- -- -- -- -- -- -- -- --

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPs by EPA 8081A						SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	5-25-16	1538 ^x	Comp 9 @ 0.5'		X			N	3	G			X						LAB TO COMPOSITE
	5-25-16	1541 ^x	Comp 9 @ 2'		X			N	3	G			X						LAB TO COMPOSITE
	5-25-16	1538	SB-51 @ 0.5'		X			N	2	G									HOLD
		1541	SB-51 @ 2'		X			N	2	G									HOLD
		1540	SB-52 @ 0.5'		X			N	2	G									HOLD
		1543	SB-52 @ 2'		X			N	2	G									HOLD
		1556	SB-53 @ 0.5'		X			N	2	G									HOLD
		1600	SB-53 @ 2'		X			N	2	G									HOLD

Relinquished by (Signature & Name):
Ruth Bern

Received by (Signature & Name):
[Signature] Date: 5/26/16 Time: 752 AM

SAMPLE DISPOSITION
 1. Samples returned to client? Yes No
 2. Samples will not be stored over 30 days, unless additional storage time is requested
 3. Storage time requested: _____ days,
 By: _____ Date: _____

Relinquished by (Signature & Name):
[Signature]

Received by (Signature & Name):
[Signature] Date: 5/26/16 Time: 9:45 AM

Relinquished by (Signature & Name):

Received by (Signature & Name):

SPECIAL INSTRUCTION:

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other *REPORT MDL/PAL.*



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-25-16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 10052414 10052414

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 2.1°
 PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPs by EPA 8081A						SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE									
	<u>5-25-16</u>	<u>1556</u>	Comp 10 @ 0.5'		X			N	3	G			X						LAB TO COMPOSITE
	<u>↓</u>	<u>1600</u>	Comp 10 @ 2'		X			N	3	G			X						LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1611</u>	SB-54 @ 0.5'		X			N	2	G									HOLD
		<u>1617</u>	SB-54 @ 2'		X			N	2	G									HOLD
		<u>1556</u>	SB-55 @ 0.5'		X			N	2	G									HOLD
		<u>1600</u>	SB-55 @ 2'		X			N	2	G									HOLD
		<u>1706</u>	SB-56 @ 0.5'		X			N	2	G									HOLD
		<u>1708</u>	SB-56 @ 2'		X			N	2	G									HOLD
	<u>↓</u>	<u>1714</u>	EQ Blank 4	X				N		G			X						

Relinquished by (Signature & Name): <u>Russell Danner</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>7:52 AM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>8:45 AM</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-25-16 PAGE: 1 OF 1
 FILE NO.: _____ LAB NO.: 1009244

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 2.10C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPS by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
	<u>5-25-16</u>	<u>1756</u>	Comp 11 @ 0.5'		X			N	3	G			X					LAB TO COMPOSITE
		<u>1756</u>	Comp 11 @ 0.5' DUP		X			N	3	G			X					LAB TO COMPOSITE
		<u>1800</u>	Comp 11 @ 2'		X			N	3	G			X					LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1814</u>	SB-57 @ 0.5'		X			N	2	G								HOLD
		<u>1816</u>	SB-57 @ 2'		X			N	2	G								HOLD
		<u>1756</u>	SB-58 @ 0.5'		X			N	2	G								HOLD
		<u>1800</u>	SB-58 @ 2'		X			N	2	G								HOLD
		<u>1758</u>	SB-59 @ 0.5'		X			N	2	G								HOLD
		<u>1801</u>	SB-59 @ 2'		X			N	2	G								HOLD

Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>7:52 AM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days. By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>8:45</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-25-16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1609244

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 2.100

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 ←←←PRESERVATION *

SAMPLER NAME: SIGNATURE: REMARKS: _____

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCFs by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
	<u>5-25-16</u>	<u>1815</u> ^x	Comp 12 @ 0.5'		X			N	3	G			X					LAB TO COMPOSITE
	↓	<u>1817</u> ^x	Comp 12 @ 2'		X			N	3	G			X					LAB TO COMPOSITE
	↓	<u>1819</u> ^x	Comp 12 @ 2' DUP		X			N	3	G			X					LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1815</u>	SB-60 @ 0.5'		X			N	2	G								HOLD
	↓	<u>1819</u>	SB-60 @ 2'		X			N	2	G								HOLD
	↓	<u>1826</u>	SB-61 @ 0.5'		X			N	2	G								HOLD
	↓	<u>1831</u>	SB-61 @ 2'		X			N	2	G								HOLD
	↓	<u>1835</u>	SB-62 @ 0.5'		X			N	2	G								HOLD
	↓	<u>1841</u>	SB-62 @ 2'		X			N	2	G								HOLD

Relinquished by (Signature & Name): <u>Robert Dean</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>7:52 AM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>8:45</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-25-16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1605294

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:

ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 2.1^{0c}

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 REMARKS:

SAMPLER NAME: SIGNATURE:

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCs by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
	<u>5-25-16</u>	<u>1850^x</u>	Comp 13 @ 0.5'		X			N	3	G		X						LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1855^x</u>	Comp 13 @ 2'		X			N	3	G		X						LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1857</u>	SB-63 @ 0.5'		X			N	2	G								HOLD
		<u>1900</u>	SB-63 @ 2'		X			N	2	G								HOLD
		<u>1850</u>	SB-64 @ 0.5'		X			N	2	G								HOLD
		<u>1855</u>	SB-64 @ 2'		X			N	2	G								HOLD
		<u>1841</u>	SB-65 @ 0.5'		X			N	2	G								HOLD
		<u>1845</u>	SB-65 @ 2'		X			N	2	G								HOLD

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/26/16</u>	Time: <u>752 AM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/26/16</u>	Time: <u>8:45</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-25-16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1606214

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO. _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 2.100

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 ←-PRESERVATION *

SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCFs by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
	<u>5-25-16</u>	<u>1630</u>	Comp 14 @ 0.5'		X			N	3	G			X					LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1634</u>	Comp 14 @ 2'		X			N	3	G			X					LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1630</u>	SB-66 @ 0.5'		X			N	2	G								HOLD
		<u>1634</u>	SB-66 @ 2'		X			N	2	G								HOLD
		<u>1630</u>	SB-67 @ 0.5'		X			N	2	G								HOLD
		<u>1633</u>	SB-67 @ 2'		X			N	2	G								HOLD
		<u>1644</u>	SB-68 @ 0.5'		X			N	2	G								HOLD
		<u>1647</u>	SB-68 @ 2'		X			N	2	G								HOLD
		<u>1700</u>	<u>EQ Blank 7</u>										X					
		<u>1700</u>	<u>Temp Blank</u>															

Relinquished by (Signature & Name): <u>Ben Chevlen</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>7:52 AM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>@ 8:45</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



781 East Washington Blvd., Los Angeles, CA 90021
[213] 745-5312 FAX [213] 745-6372

June 13, 2016

Mr. Ben Chevlen
ATC Group Services LLC [Monterey Park]
25 Cupania Circle
Monterey Park, CA 91755

Report No.: 1605294

Project Name: Oxnard School District - 2200 Carnegie Court, Oxnard, CA /
1011600537

Dear Mr. Ben Chevlen,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on May 26, 2016.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.


Project Manager



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Certificate of Analysis

Page 2 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-51 @ 0.5' Soil (1605294-17) Sampled:05/25/16 15:38 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-Chlordane	505		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-Chlordane	460		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDD	229		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDE	808		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDT	880		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Dieldrin	44.3		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin	167		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Technical Chlordane	5740		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/10/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Toxaphene	2010		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>	<i>105 %</i>			<i>55-126</i>		<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/07/16</i>	<i>06/08/16</i>	<i>ai</i>	<i>BF60938</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>97.3 %</i>			<i>49-133</i>		<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/07/16</i>	<i>06/08/16</i>	<i>ai</i>	<i>BF60938</i>

Sample ID: SB-51 @ 2' Soil (1605294-18) Sampled:05/25/16 15:41 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-Chlordane	29.3		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-Chlordane	32.5		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDD	490		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDE	1790		5	ug/kg	200	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDT	3890		5	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Dieldrin	149		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin	467		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938



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Page 3 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #: 73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-51 @ 2' Soil	(1605294-18)	Sampled: 05/25/16 15:41	Received: 05/26/16 07:52
Toxaphene	2680		1 ug/kg	300 EPA 3546 EPA 8081A 06/07/16 06/08/16 ai BF60938
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	102 %		55-126	EPA 3546 EPA 8081A 06/07/16 06/08/16 ai BF60938
Surrogate: Decachlorobiphenyl	102 %		49-133	EPA 3546 EPA 8081A 06/07/16 06/08/16 ai BF60938

Sample ID:	SB-52 @ 0.5' Soil	(1605294-19)	Sampled: 05/25/16 15:40	Received: 05/26/16 07:52						
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-Chlordane	47.7		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-Chlordane	54.5		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDD	106		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDE	412		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDT	453		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Dieldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin	92.1		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Toxaphene	604		1	ug/kg	300	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	95.9 %			55-126		EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Surrogate: Decachlorobiphenyl	87.5 %			49-133		EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938

Sample ID:	SB-52 @ 2' Soil	(1605294-20)	Sampled: 05/25/16 15:43	Received: 05/26/16 07:52						
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-Chlordane	26.8		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-Chlordane	30.3		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDD	454		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDE	1970		5	ug/kg	200	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDT	4410		5	ug/kg	100	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Dieldrin	94.1		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin	720		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/07/16	06/08/16	ai	BF60938



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Page 4 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-52 @ 2' Soil (1605294-20) Sampled:05/25/16 15:43 Received:05/26/16 07:52											
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Toxaphene	2950		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
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Surrogate: 2,4,5,6 Tetrachloro-m-xylene	107 %				55-126	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Surrogate: Decachlorobiphenyl	110 %				49-133	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938

Sample ID: SB-53 @ 0.5' Soil (1605294-21) Sampled:05/25/16 15:56 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-Chlordane	23.8		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDD	219		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDE	1530		5	ug/kg	200	EPA 3546	EPA 8081A	06/07/16	06/10/16	ai	BF60938
4,4'-DDT	832		5	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/10/16	ai	BF60938
Dieldrin	81.9		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin	199		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Toxaphene	1160		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
<hr/>											
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	106 %				55-126	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Surrogate: Decachlorobiphenyl	94.2 %				49-133	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938

Sample ID: SB-53 @ 2' Soil (1605294-22) Sampled:05/25/16 16:00 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDD	98.7		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDE	513		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDT	332		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Dieldrin	40.4		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938



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Page 5 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-53 @ 2' Soil (1605294-22) Sampled:05/25/16 16:00 Received:05/26/16 07:52											
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin	101		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Toxaphene	582		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
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Surrogate: 2,4,5,6 Tetrachloro-m-xylene	103 %				55-126	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Surrogate: Decachlorobiphenyl	85.3 %				49-133	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938

Sample ID: SB-54 @ 0.5' Soil (1605294-23) Sampled:05/25/16 16:11 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
gamma-Chlordane	25.2		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDD	123		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
4,4'-DDE	1090		5	ug/kg	200	EPA 3546	EPA 8081A	06/07/16	06/10/16	ai	BF60938
4,4'-DDT	878		5	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/10/16	ai	BF60938
Dieldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin	243		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Toxaphene	1360		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
<hr/>											
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	108 %				55-126	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938
Surrogate: Decachlorobiphenyl	101 %				49-133	EPA 3546	EPA 8081A	06/07/16	06/08/16	ai	BF60938

Sample ID: SB-54 @ 2' Soil (1605294-24) Sampled:05/25/16 16:17 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938



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Page 6 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-54 @ 2' Soil (1605294-24) Sampled:05/25/16 16:17 Received:05/26/16 07:52											
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4' -DDD	129		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4' -DDE	1360		5	ug/kg	200	EPA 3546	EPA 8081A	06/07/16	06/10/16	ai	BF60938
4,4' -DDT	915		5	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/10/16	ai	BF60938
Dieldrin	29.1		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin	303		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Toxaphene	1090		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>					<i>92.1 %</i>						
					<i>55-126</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/07/16</i>	<i>06/09/16</i>	<i>ai</i>	<i>BF60938</i>
<i>Surrogate: Decachlorobiphenyl</i>					<i>97.9 %</i>						
					<i>49-133</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/07/16</i>	<i>06/09/16</i>	<i>ai</i>	<i>BF60938</i>

Sample ID: SB-55 @ 0.5' Soil (1605294-25) Sampled:05/25/16 15:56 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-Chlordane	42.3		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-Chlordane	43.2		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4' -DDD	83.9		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4' -DDE	607		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4' -DDT	652		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Dieldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin	144		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Toxaphene	683		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>					<i>100 %</i>						
					<i>55-126</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/07/16</i>	<i>06/09/16</i>	<i>ai</i>	<i>BF60938</i>
<i>Surrogate: Decachlorobiphenyl</i>					<i>107 %</i>						
					<i>49-133</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/07/16</i>	<i>06/09/16</i>	<i>ai</i>	<i>BF60938</i>

Sample ID: SB-55 @ 2' Soil (1605294-26) Sampled:05/25/16 16:00 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938



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Page 7 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-55 @ 2'	Soil (1605294-26)	Sampled:05/25/16 16:00			Received:05/26/16 07:52					
alpha-BHC	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
beta-BHC	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
delta-BHC	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
gamma-BHC (Lindane)	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
alpha-Chlordane	35.1	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
gamma-Chlordane	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
4,4'-DDD	232	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
4,4'-DDE	1990	10	ug/kg	400	EPA 3546	EPA 8081A	06/07/16	06/13/16	ai	BF60938	
4,4'-DDT	3770	10	ug/kg	200	EPA 3546	EPA 8081A	06/07/16	06/13/16	ai	BF60938	
Dieldrin	85.0	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
Endosulfan I	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
Endosulfan II	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
Endosulfan sulfate	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
Endrin	595	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
Technical Chlordane	ND	1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
Endrin aldehyde	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
Endrin ketone	ND	1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
Heptachlor	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
Heptachlor epoxide	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
Methoxychlor	ND	1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
Toxaphene	1960	1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
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Surrogate: 2,4,5,6 Tetrachloro-m-xylol	88.9 %			55-126	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	
Surrogate: Decachlorobiphenyl	108 %			49-133	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	

Sample ID:	SB-56 @ 0.5'	Soil (1605294-27)	Sampled:05/25/16 17:06			Received:05/26/16 07:52					
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDD	38.0		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDE	184		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDT	128		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Dieldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin	20.2		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Toxaphene	ND		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
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Surrogate: 2,4,5,6 Tetrachloro-m-xylol	101 %			55-126	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938	



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Page 8 of 18

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 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-56 @ 0.5' Soil (1605294-27) Sampled:05/25/16 17:06 Received:05/26/16 07:52											
<i>Surrogate: Decachlorobiphenyl</i>		95.9 %		49-133		EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Sample ID: SB-56 @ 2' Soil (1605294-28) Sampled:05/25/16 17:08 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4' -DDD	79.7		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4' -DDE	379		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4' -DDT	330		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Dieldrin	31.3		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin	80.1		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Toxaphene	444		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>		104 %		55-126		EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
<i>Surrogate: Decachlorobiphenyl</i>		103 %		49-133		EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938

Sample ID: SB-57 @ 0.5' Soil (1605294-29) Sampled:05/25/16 18:14 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4' -DDD	198		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4' -DDE	1320		5	ug/kg	200	EPA 3546	EPA 8081A	06/07/16	06/10/16	ai	BF60938
4,4' -DDT	1620		5	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/10/16	ai	BF60938
Dieldrin	49.3		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin	414		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938



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Page 9 of 18

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 Monterey Park, CA 91755

File #: 73399
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Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX: (323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-57 @ 0.5' Soil (1605294-29) Sampled:05/25/16 18:14 Received:05/26/16 07:52											
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Toxaphene	1570		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	106 %				55-126	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Surrogate: Decachlorobiphenyl	111 %				49-133	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938

Sample ID: SB-58 @ 0.5' Soil (1605294-30) Sampled:05/25/16 17:56 Received:05/26/16 07:52										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDD	77.8		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDE	799		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDT	698		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Dieldrin	20.4		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin	162		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Toxaphene	706		1	ug/kg	300	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	106 %				55-126	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Surrogate: Decachlorobiphenyl	108 %				49-133	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938

Sample ID: SB-59 @ 0.5' Soil (1605294-31) Sampled:05/25/16 17:58 Received:05/26/16 07:52										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDD	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDE	284		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDT	130		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Dieldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/07/16	06/09/16	ai	BF60938



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Page 10 of 18

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Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-59 @ 0.5' Soil (1605294-31) Sampled:05/25/16 17:58 Received:05/26/16 07:52											
Endrin	33.5		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Toxaphene	ND		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938

Surrogate: 2,4,5,6 Tetrachloro-m-xylol	99.2 %				55-126	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Surrogate: Decachlorobiphenyl	105 %				49-133	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938

Sample ID: SB-60 @ 0.5' Soil (1605294-32) Sampled:05/25/16 18:15 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
alpha-Chlordane	21.6		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDD	256		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
4,4'-DDE	1570		10	ug/kg	400	EPA 3546	EPA 8081A	06/07/16	06/10/16	ai	BF60938
4,4'-DDT	2120		10	ug/kg	200	EPA 3546	EPA 8081A	06/07/16	06/10/16	ai	BF60938
Dieldrin	71.7		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin	562		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Toxaphene	1970		1	ug/kg	300	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938

Surrogate: 2,4,5,6 Tetrachloro-m-xylol	100 %				55-126	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938
Surrogate: Decachlorobiphenyl	109 %				49-133	EPA 3546	EPA 8081A	06/07/16	06/09/16	ai	BF60938

Sample ID: SB-61 @ 0.5' Soil (1605294-33) Sampled:05/25/16 18:26 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDD	148		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDE	1140		5	ug/kg	200	EPA 3546	EPA 8081A	06/08/16	06/10/16	ai	BF60935



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Certificate of Analysis

Page 11 of 18

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Sample ID: SB-61 @ 0.5' Soil (1605294-33) Sampled:05/25/16 18:26 Received:05/26/16 07:52										
4,4'-DDT	1200	5	ug/kg	100	EPA 3546	EPA 8081A	06/08/16	06/10/16	ai	BF60935
Dieldrin	42.6	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan I	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan II	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan sulfate	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin	342	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Technical Chlordane	ND	1	ug/kg	100	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin aldehyde	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin ketone	ND	1	ug/kg	60.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor epoxide	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Methoxychlor	ND	1	ug/kg	100	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Toxaphene	1610	1	ug/kg	300	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>	<i>109 %</i>			<i>55-126</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/08/16</i>	<i>06/09/16</i>	<i>ai</i>	<i>BF60935</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>130 %</i>			<i>49-133</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/08/16</i>	<i>06/09/16</i>	<i>ai</i>	<i>BF60935</i>

Sample ID: SB-62 @ 0.5' Soil (1605294-34) Sampled:05/25/16 18:35 Received:05/26/16 07:52										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
beta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
delta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDD	141		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDE	1500		5	ug/kg	200	EPA 3546 EPA 8081A	06/08/16	06/10/16	ai	BF60935
4,4'-DDT	832		5	ug/kg	100	EPA 3546 EPA 8081A	06/08/16	06/10/16	ai	BF60935
Dieldrin	63.0		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin	322		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Technical Chlordane	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Methoxychlor	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Toxaphene	1180		1	ug/kg	300	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylene</i>	<i>104 %</i>			<i>55-126</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/08/16</i>	<i>06/09/16</i>	<i>ai</i>	<i>BF60935</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>127 %</i>			<i>49-133</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/08/16</i>	<i>06/09/16</i>	<i>ai</i>	<i>BF60935</i>

Sample ID: SB-63 @ 0.5' Soil (1605294-35) Sampled:05/25/16 18:57 Received:05/26/16 07:52										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
beta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
delta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935



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Page 12 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-63 @ 0.5' Soil (1605294-35) Sampled:05/25/16 18:57 Received:05/26/16 07:52										
gamma-BHC (Lindane)	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-Chlordane	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-Chlordane	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDD	183	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDE	1280	5	ug/kg	200	EPA 3546	EPA 8081A	06/08/16	06/10/16	ai	BF60935
4,4'-DDT	1320	5	ug/kg	100	EPA 3546	EPA 8081A	06/08/16	06/10/16	ai	BF60935
Dieldrin	44.9	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan I	ND	1	ug/kg	40.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan II	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan sulfate	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin	394	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Technical Chlordane	ND	1	ug/kg	100	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin aldehyde	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin ketone	ND	1	ug/kg	60.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor epoxide	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Methoxychlor	ND	1	ug/kg	100	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Toxaphene	1490	1	ug/kg	300	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
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Surrogate: 2,4,5,6 Tetrachloro-m-xylene	111 %			55-126	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Surrogate: Decachlorobiphenyl	110 %			49-133	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935

Sample ID: SB-64 @ 0.5' Soil (1605294-36) Sampled:05/25/16 18:50 Received:05/26/16 07:52										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
beta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
delta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDD	69.8		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDE	366		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDT	488		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Dieldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin	154		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Technical Chlordane	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Methoxychlor	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Toxaphene	778		1	ug/kg	300	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
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Surrogate: 2,4,5,6 Tetrachloro-m-xylene	110 %			55-126	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Surrogate: Decachlorobiphenyl	107 %			49-133	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935

Sample ID: SB-65 @ 0.5' Soil (1605294-37) Sampled:05/25/16 18:41 Received:05/26/16 07:52										
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Page 13 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-65 @ 0.5' Soil (1605294-37) Sampled:05/25/16 18:41 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
beta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
delta-BHC	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDD	151		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDE	1180		5	ug/kg	200	EPA 3546	EPA 8081A	06/08/16	06/10/16	ai	BF60935
4,4'-DDT	1340		5	ug/kg	100	EPA 3546	EPA 8081A	06/08/16	06/10/16	ai	BF60935
Dieldrin	48.8		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin	352		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Technical Chlordane	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Methoxychlor	ND		1	ug/kg	100	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Toxaphene	1440		1	ug/kg	300	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
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Surrogate: 2,4,5,6 Tetrachloro-m-xylol	105 %			55-126		EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Surrogate: Decachlorobiphenyl	93.1 %			49-133		EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935

Sample ID: SB-66 @ 0.5' Soil (1605294-38) Sampled:05/25/16 16:30 Received:05/26/16 07:52											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-BHC	ND		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
beta-BHC	ND		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
delta-BHC	ND		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-BHC (Lindane)	ND		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-Chlordane	ND		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-Chlordane	ND		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDD	62.4		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDE	65.9		1	ug/kg	10.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDT	22.1		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Dieldrin	10.7		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan I	ND		1	ug/kg	10.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan II	ND		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan sulfate	ND		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin	ND		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Technical Chlordane	ND		1	ug/kg	25.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin aldehyde	ND		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin ketone	ND		1	ug/kg	15.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor	ND		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor epoxide	ND		1	ug/kg	5.00	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Methoxychlor	ND		1	ug/kg	25.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935



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Page 14 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID:	SB-66 @ 0.5' Soil (1605294-38)	Sampled:	05/25/16 16:30	Received:	05/26/16 07:52
Toxaphene	310	1	ug/kg	75.0	EPA 3546 EPA 8081A 06/08/16 06/09/16 ai BF60935
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	88.5 %			55-126	EPA 3546 EPA 8081A 06/08/16 06/09/16 ai BF60935
Surrogate: Decachlorobiphenyl	104 %			49-133	EPA 3546 EPA 8081A 06/08/16 06/09/16 ai BF60935

Sample ID:	SB-67 @ 0.5' Soil (1605294-39)	Sampled:	05/25/16 16:30	Received:	05/26/16 07:52					
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
beta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
delta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-Chlordane	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDD	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDE	153		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDT	73.0		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Dieldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Technical Chlordane	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin aldehyde	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin ketone	ND		1	ug/kg	60.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	aj	BF60935
Heptachlor	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor epoxide	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Methoxychlor	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Toxaphene	ND		1	ug/kg	300	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	109 %			55-126		EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Surrogate: Decachlorobiphenyl	131 %			49-133		EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935

Sample ID:	SB-68 @ 0.5' Soil (1605294-40)	Sampled:	05/25/16 16:44	Received:	05/26/16 07:52					
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Aldrin	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
beta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
delta-BHC	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-BHC (Lindane)	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
alpha-Chlordane	81.1		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
gamma-Chlordane	78.2		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDD	92.0		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDE	660		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
4,4'-DDT	518		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Dieldrin	20.7		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan I	ND		1	ug/kg	40.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan II	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endosulfan sulfate	ND		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin	150		1	ug/kg	20.0	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935
Technical Chlordane	ND		1	ug/kg	100	EPA 3546 EPA 8081A	06/08/16	06/09/16	ai	BF60935



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 15 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Sample ID: SB-68 @ 0.5' Soil (1605294-40) Sampled:05/25/16 16:44 Received:05/26/16 07:52										
Endrin aldehyde	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Endrin ketone	ND	1	ug/kg	60.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Heptachlor epoxide	ND	1	ug/kg	20.0	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Methoxychlor	ND	1	ug/kg	100	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
Toxaphene	1070	1	ug/kg	300	EPA 3546	EPA 8081A	06/08/16	06/09/16	ai	BF60935
<hr/>										
<i>Surrogate: 2,4,5,6 Tetrachloro-m-xylol</i>	<i>106 %</i>			<i>55-126</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/08/16</i>	<i>06/09/16</i>	<i>ai</i>	<i>BF60935</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>91.9 %</i>			<i>49-133</i>	<i>EPA 3546</i>	<i>EPA 8081A</i>	<i>06/08/16</i>	<i>06/09/16</i>	<i>ai</i>	<i>BF60935</i>



781 East Washington Blvd., Los Angeles, CA 90021
 [213] 745-5312 FAX [213] 745-6372

Certificate of Analysis

Page 16 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF60935 - EPA 3546										
Blank Prepared: 06/08/16 Analyzed: 06/09/16										
Aldrin	ND	0.750	ug/kg							
alpha-BHC	ND	0.750	ug/kg							
beta-BHC	ND	0.750	ug/kg							
delta-BHC	ND	0.750	ug/kg							
gamma-BHC (Lindane)	ND	0.750	ug/kg							
alpha-Chlordane	ND	0.750	ug/kg							
gamma-Chlordane	ND	0.750	ug/kg							
4,4'-DDD	ND	0.750	ug/kg							
4,4'-DDE	ND	1.50	ug/kg							
4,4'-DDT	ND	0.750	ug/kg							
Dieldrin	ND	0.750	ug/kg							
Endosulfan I	ND	1.50	ug/kg							
Endosulfan II	ND	0.750	ug/kg							
Endosulfan sulfate	ND	0.750	ug/kg							
Endrin	ND	0.750	ug/kg							
Technical Chlordane	ND	3.75	ug/kg							
Endrin aldehyde	ND	0.750	ug/kg							
Endrin ketone	ND	2.25	ug/kg							
Heptachlor	ND	0.750	ug/kg							
Heptachlor epoxide	ND	0.750	ug/kg							
Methoxychlor	ND	3.75	ug/kg							
Toxaphene	ND	11.2	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	11.4		ug/kg	12.50		90.9	55-126			
Surrogate: Decachlorobiphenyl	13.6		ug/kg	12.50		109	49-133			
LCS Prepared: 06/08/16 Analyzed: 06/09/16										
Aldrin	10.3	2.00	ug/kg	13.33		77.2	56-130			
gamma-BHC (Lindane)	11.5	2.00	ug/kg	13.33		86.5	56-133			
4,4'-DDT	14.2	2.00	ug/kg	13.33		107	56-133			
Dieldrin	13.5	2.00	ug/kg	13.33		101	62-119			
Endrin	12.0	2.00	ug/kg	13.33		89.8	59-127			
Heptachlor	12.8	2.00	ug/kg	13.33		95.9	55-110			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	14.4		ug/kg	16.67		86.1	54-108			
Surrogate: Decachlorobiphenyl	17.0		ug/kg	16.67		102	54-127			
Matrix Spike Source: 1605294-38 Prepared: 06/08/16 Analyzed: 06/09/16										
Aldrin	12.1	2.00	ug/kg	13.33	ND	90.6	39-124			
gamma-BHC (Lindane)	11.3	2.00	ug/kg	13.33	ND	84.5	44-120			
4,4'-DDT	46.1	2.00	ug/kg	33.33	22.1	72.1	48-150			
Dieldrin	43.3	2.00	ug/kg	33.33	10.7	97.9	48-144			
Endrin	37.4	2.00	ug/kg	33.33	2.98	103	54-149			



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 17 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF60935 - EPA 3546										
Heptachlor	11.8	2.00	ug/kg	13.33	ND	88.6	46-135			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	15.6		ug/kg	16.67		93.8	57-126			
Surrogate: Decachlorobiphenyl	17.7		ug/kg	16.67		106	43-136			
Matrix Spike Dup Source: 1605294-38 Prepared: 06/08/16 Analyzed: 06/09/16										
Aldrin	11.5	2.00	ug/kg	13.33	ND	86.5	39-124	4.61	30	
gamma-BHC (Lindane)	11.1	2.00	ug/kg	13.33	ND	83.4	44-120	1.26	30	
4,4'-DDT	57.0	2.00	ug/kg	33.33	22.1	105	48-150	37.0	30	V-2
Dieldrin	43.0	2.00	ug/kg	33.33	10.7	97.1	48-144	0.778	30	
Endrin	37.4	2.00	ug/kg	33.33	2.98	103	54-149	0.110	30	
Heptachlor	11.7	2.00	ug/kg	13.33	ND	87.7	46-135	1.09	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	14.9		ug/kg	16.67		89.2	57-126			
Surrogate: Decachlorobiphenyl	17.3		ug/kg	16.67		104	43-136			
Batch BF60938 - EPA 3546										
Blank Prepared: 06/07/16 Analyzed: 06/08/16										
Aldrin	ND	2.00	ug/kg							
alpha-BHC	ND	2.00	ug/kg							
beta-BHC	ND	2.00	ug/kg							
delta-BHC	ND	2.00	ug/kg							
gamma-BHC (Lindane)	ND	2.00	ug/kg							
alpha-Chlordane	ND	2.00	ug/kg							
gamma-Chlordane	ND	2.00	ug/kg							
4,4'-DDD	ND	2.00	ug/kg							
4,4'-DDE	ND	4.00	ug/kg							
4,4'-DDT	ND	2.00	ug/kg							
Dieldrin	ND	2.00	ug/kg							
Endosulfan I	ND	4.00	ug/kg							
Endosulfan II	ND	2.00	ug/kg							
Endosulfan sulfate	ND	2.00	ug/kg							
Endrin	ND	2.00	ug/kg							
Technical Chlordane	ND	10.0	ug/kg							
Endrin aldehyde	ND	2.00	ug/kg							
Endrin ketone	ND	6.00	ug/kg							
Heptachlor	ND	2.00	ug/kg							
Heptachlor epoxide	ND	2.00	ug/kg							
Methoxychlor	ND	10.0	ug/kg							
Toxaphene	ND	30.0	ug/kg							
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	14.9		ug/kg	16.67		89.5	55-126			
Surrogate: Decachlorobiphenyl	15.0		ug/kg	16.67		90.0	49-133			
LCS Prepared: 06/07/16 Analyzed: 06/08/16										
Aldrin	12.1	2.00	ug/kg	13.33		90.6	56-130			



781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 18 of 18

ATC Group Services LLC [Monterey Park]
 25 Cupania Circle
 Monterey Park, CA 91755

File #:73399
 Report Date: 06/13/16
 Submitted: 05/26/16
PLS Report No.: 1605294

Attn: Mr. Ben Chevlen Phone: (805) 496-1217 FAX:(323) 517-9781

Project: Oxnard School District - 2200 Carnegie Court, Oxnard, CA / 1011600537

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BF60938 - EPA 3546										
gamma-BHC (Lindane)	11.9	2.00	ug/kg	13.33		89.3	56-133			
4,4'-DDT	15.8	2.00	ug/kg	13.33		118	56-133			
Dieldrin	13.6	2.00	ug/kg	13.33		102	62-119			
Endrin	14.6	2.00	ug/kg	13.33		110	59-127			
Heptachlor	14.0	2.00	ug/kg	13.33		105	55-110			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	14.4		ug/kg	16.67		86.5	54-108			
Surrogate: Decachlorobiphenyl	14.7		ug/kg	16.67		88.5	54-127			
Matrix Spike Source: 1605283-46 Prepared: 06/07/16 Analyzed: 06/13/16										
Aldrin	15.1	8.00	ug/kg	13.33	ND	113	39-124			
gamma-BHC (Lindane)	10.9	8.00	ug/kg	13.33	ND	81.9	44-120			
4,4'-DDT	377	8.00	ug/kg	33.33	316	183	48-150			V-3
Dieldrin	123	8.00	ug/kg	33.33	97.9	76.1	48-144			
Endrin	87.0	8.00	ug/kg	33.33	61.3	77.0	54-149			
Heptachlor	12.8	8.00	ug/kg	13.33	ND	96.2	46-135			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	12.0		ug/kg	16.67		72.2	57-126			
Surrogate: Decachlorobiphenyl	11.6		ug/kg	16.67		69.8	43-136			
Matrix Spike Dup Source: 1605283-46 Prepared: 06/07/16 Analyzed: 06/13/16										
Aldrin	11.4	8.00	ug/kg	13.33	ND	85.6	39-124	27.7	30	
gamma-BHC (Lindane)	11.4	8.00	ug/kg	13.33	ND	85.8	44-120	4.70	30	
4,4'-DDT	415	8.00	ug/kg	33.33	316	297	48-150	47.5	30	V-3
Dieldrin	122	8.00	ug/kg	33.33	97.9	71.8	48-144	5.82	30	
Endrin	91.3	8.00	ug/kg	33.33	61.3	89.9	54-149	15.5	30	
Heptachlor	13.6	8.00	ug/kg	13.33	ND	102	46-135	6.16	30	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene	14.0		ug/kg	16.67		84.2	57-126			
Surrogate: Decachlorobiphenyl	11.9		ug/kg	16.67		71.2	43-136			

Notes and Definitions

- V-3 Amount spiked was less than 1/4 of concentration in the sample.
- V-2 Out-of-Range recovery was due to sample Heterogeneity.
- NA Not Applicable
- ND Analyte NOT DETECTED at or above the detection limit
- NR Not Reported
- MDL Method Detection Limit
- PQL Practical Quantitation Limit

Authorized Signature(s)



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-25-16

PAGE: 1 OF 1

FILE NO.:

LAB NO.: ~~109794~~ 109794

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:

ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 2.0°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION*

SAMPLER NAME: SIGNATURE:

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPs by EPA 8081A							REMARKS: * Sample times are not needed per Ben C. Smith 5/10/16 via Email. * Add on 6/6/16 @ 1:20 PM via e-mail on 3 day TA Discrete samples.
				WATER	SOIL	SLUDGE	OTHER		#	TYPE										
	<u>5-25-16</u>	<u>1538</u>	Comp 9 @ 0.5'		X			N	3	G			X							LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1541</u>	Comp 9 @ 2'		X			N	3	G			X							LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1538</u>	SB-51 @ 0.5'		X			N	2	G			(X)							HOLD
		<u>1541</u>	SB-51 @ 2'		X			N	2	G			(X)							HOLD
		<u>1540</u>	SB-52 @ 0.5'		X			N	2	G			(X)							HOLD
		<u>1543</u>	SB-52 @ 2'		X			N	2	G			(X)							HOLD
		<u>1556</u>	SB-53 @ 0.5'		X			N	2	G			(X)							HOLD
		<u>1600</u>	SB-53 @ 2'		X			N	2	G			(X)							HOLD

Relinquished by (Signature & Name): <u>Ruth Deam</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>7:52 AM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16 @</u>	Time: <u>9:45 AM</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other report MDL/PAL.



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-25-16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 100221105294

CLIENT NAME: Oxnard School District		PROJECT NAME/NO. 1011600537		P.O.NO.		AIRBILL NO:	
ADDRESS: 2200 Carnegie Court, Oxnard, CA				ANALYSES REQUESTED			
PROJECT MANAGER: Ben Chevlen		PHONE NO: 805.496.1217		FAX NO: 323.517.9781		COOLER TEMP: <u>2.100</u>	
SAMPLER NAME:		SIGNATURE:				REMARKS: _____	
TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal							
CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other							
UST PROJECT: Y N GLOBAL ID#: _____							

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPs by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
	<u>5-25-16</u>	<u>1556</u>	Comp 10 @ 0.5'		X			N	3	G			X					LAB TO COMPOSITE
	<u>↓</u>	<u>1600</u>	Comp 10 @ 2'		X			N	3	G			X					LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1611</u>	SB-54 @ 0.5'		X			N	2	G			<input checked="" type="checkbox"/>					HOLD
	<u>↓</u>	<u>1617</u>	SB-54 @ 2'		X			N	2	G			<input checked="" type="checkbox"/>					HOLD
	<u>↓</u>	<u>1556</u>	SB-55 @ 0.5'		X			N	2	G			<input checked="" type="checkbox"/>					HOLD
	<u>↓</u>	<u>1600</u>	SB-55 @ 2'		X			N	2	G			<input checked="" type="checkbox"/>					HOLD
	<u>↓</u>	<u>1706</u>	SB-56 @ 0.5'		X			N	2	G			<input checked="" type="checkbox"/>					HOLD
	<u>↓</u>	<u>1708</u>	SB-56 @ 2'		X			N	2	G			<input checked="" type="checkbox"/>					HOLD
	<u>↓</u>	<u>1714</u>	EQ Blank 4	X				N		G			X					

Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/26/16</u>	Time: <u>7:52 AM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): 	Received by (Signature & Name): 	Date: <u>5/26/16</u>	Time: <u>8:45 AM</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-25-16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1009244

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. _____ AIRBILL NO: _____
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED _____ COOLER TEMP: 2.1°C
 PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 SAMPLER NAME: _____ SIGNATURE: _____ REMARKS: _____
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPs by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
	<u>5-25-16</u>	<u>1756</u>	Comp 11 @ 0.5'		X			N	3	G		X						LAB TO COMPOSITE
	<u>↓</u>	<u>1756</u>	Comp 11 @ 0.5' DUP		X			N	3	G		X						LAB TO COMPOSITE
	<u>↓</u>	<u>1800</u>	Comp 11 @ 2'		X			N	3	G		X						LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1814</u>	SB-57 @ 0.5'		X			N	2	G		(X)						HOLD
	<u>↓</u>	<u>1816</u>	SB-57 @ 2'		X			N	2	G		(X)						HOLD
	<u>↓</u>	<u>1756</u>	SB-58 @ 0.5'		X			N	2	G		(X)						HOLD
	<u>↓</u>	<u>1800</u>	SB-58 @ 2'		X			N	2	G		(X)						HOLD
	<u>↓</u>	<u>1758</u>	SB-59 @ 0.5'		X			N	2	G		(X)						HOLD
	<u>↓</u>	<u>1801</u>	SB-59 @ 2'		X			N	2	G		(X)						HOLD

Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	SAMPLE DISPOSITION	
<u>[Signature]</u>	<u>[Signature]</u>	<u>5/26/16</u>	<u>752 AM</u>		1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
<u>[Signature]</u>	<u>[Signature]</u>	<u>5/26/16</u>	<u>8:45</u>		
<u>[Signature]</u>	<u>[Signature]</u>				

SPECIAL INSTRUCTION: _____
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-25-16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1609244

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 2.1°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *

SAMPLER NAME: SIGNATURE:
 TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: -----

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPS by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
	<u>5-25-16</u>	<u>1815</u> ^x	Comp 12 @ 0.5'		X			N	3	G			X					LAB TO COMPOSITE
		<u>1817</u> ^x	Comp 12 @ 2'		X			N	3	G			X					LAB TO COMPOSITE
		<u>1819</u> ^x	Comp 12 @ 2' DUP		X			N	3	G			X					LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1815</u>	SB-60 @ 0.5'		X			N	2	G			(X)					HOLD
		<u>1819</u>	SB-60 @ 2'		X			N	2	G			(X)					HOLD
		<u>1826</u>	SB-61 @ 0.5'		X			N	2	G			(X)					HOLD
		<u>1831</u>	SB-61 @ 2'		X			N	2	G			(X)					HOLD
		<u>1835</u>	SB-62 @ 0.5'		X			N	2	G			(X)					HOLD
		<u>1841</u>	SB-62 @ 2'		X			N	2	G			(X)					HOLD

Relinquished by (Signature & Name): <u>Robert Deim</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>7:52 AM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>8:45</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-25-16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1605294

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:

ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 2.1°C

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781 <---PRESERVATION *
 REMARKS: _____

SAMPLER NAME: SIGNATURE: Arsenic by EPA 6010B Lead by EPA 6010B OCPs by EPA 8081A

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal

CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other

UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCPs by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
	<u>5-25-16</u>	<u>1850^x</u>	Comp 13 @ 0.5'		X			N	3	G		X						LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1855^x</u>	Comp 13 @ 2'		X			N	3	G		X						LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1857</u>	SB-63 @ 0.5'		X			N	2	G		(X)						HOLD
		<u>1900</u>	SB-63 @ 2'		X			N	2	G								HOLD
		<u>1850</u>	SB-64 @ 0.5'		X			N	2	G		(X)						HOLD
		<u>1855</u>	SB-64 @ 2'		X			N	2	G								HOLD
		<u>1841</u>	SB-65 @ 0.5'		X			N	2	G		(X)						HOLD
		<u>1845</u>	SB-65 @ 2'		X			N	2	G								HOLD

Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>7:52 AM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>8:45</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:

* PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other



CHAIN OF CUSTODY AND ANALYSIS REQUEST

781 East Washington Blvd., Los Angeles, CA 90021
 (213) 745-5312 FAX (213) 745-6372

DATE: 5-25-16 PAGE: 1 OF 1
 FILE NO.: LAB NO.: 1606211

CLIENT NAME: Oxnard School District PROJECT NAME/NO. 1011600537 P.O.NO. AIRBILL NO:
 ADDRESS: 2200 Carnegie Court, Oxnard, CA ANALYSES REQUESTED COOLER TEMP: 2.100

PROJECT MANAGER: Ben Chevlen PHONE NO: 805.496.1217 FAX NO: 323.517.9781
 SAMPLER NAME: SIGNATURE: <--PRESERVATION *
 REMARKS: _____

TAT (Turn-Around-Time): 0=Same Day; 1=24 Hour; 2=48Hour; (ETC.) N=Normal
 CONTAINER TYPES: B=Brass; E=Encore/Easy Draw; P=Plastic; G=Glass; V=VOA Vial; O=Other
 UST PROJECT: Y N GLOBAL ID#: _____

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX				TAT	CONTAINER		Arsenic by EPA 6010B	Lead by EPA 6010B	OCFs by EPA 8081A					SAMPLE CONDITIONS/ CONTAINER/COMMENTS
				WATER	SOIL	SLUDGE	OTHER		#	TYPE								
	<u>5-25-16</u>	<u>1635</u>	Comp 14 @ 0.5'		X			N	3	G		X						LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1639</u>	Comp 14 @ 2'		X			N	3	G		X						LAB TO COMPOSITE
	<u>5-25-16</u>	<u>1630</u>	SB-66 @ 0.5'		X			N	2	G		(X)						HOLD
		<u>1634</u>	SB-66 @ 2'		X			N	2	G		(X)						HOLD
		<u>1630</u>	SB-67 @ 0.5'		X			N	2	G		(X)						HOLD
		<u>1633</u>	SB-67 @ 2'		X			N	2	G		(X)						HOLD
		<u>1644</u>	SB-68 @ 0.5'		X			N	2	G		(X)						HOLD
		<u>1647</u>	SB-68 @ 2'		X			N	2	G		(X)						HOLD
		<u>1700</u>	<u>EQ Blank 7</u>									X						
		<u>1700</u>	<u>Temp Blank</u>															

Relinquished by (Signature & Name): <u>Reyest Demun</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>7:52 AM</u>	SAMPLE DISPOSITION 1. Samples returned to client? Yes No 2. Samples will not be stored over 30 days, unless additional storage time is requested 3. Storage time requested: _____ days, By: _____ Date: _____
Relinquished by (Signature & Name): <u>[Signature]</u>	Received by (Signature & Name): <u>[Signature]</u>	Date: <u>5/26/16</u>	Time: <u>8:45</u>	
Relinquished by (Signature & Name):	Received by (Signature & Name):	Date:	Time:	

SPECIAL INSTRUCTION:
 * PRESERVATION: 1-HNO₃, 2-H₂SO₄, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH₄ Buffer, 7-Other

APPENDIX C
ProUCL INPUT AND OUTPUT TABLES

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	BHC	D_BHC	Chlordane	D_Chlordan	4,4'-DDD	D_4,4'-DDD	4,4'-DDE	D_4,4'-DDE	4,4'-DDT	D_4,4'-DDT	Dieldrin	D_Dieldrin	Endosulfan
2	0.42	1	7.7	1	110	1	630	1	403	1	0.7	0	1.2
3	0.53	0	0.8	1	7.1	1	82	1	32	1	0.7	0	6.8
4	0.53	0	2.9	1	29	1	207	1	146	1	0.7	0	7.3
5	0.53	0	0.02	0	7.37	1	52	1	43	1	0.7	0	1.2
6	0.13	1	0.02	0	111	1	591	1	541	1	0.7	0	1.2
7	0.53	0	0.02	0	1.5	1	21	1	4.1	1	0.7	0	6.8
8	0.53	0	0.02	0	17	1	221	1	78	1	0.7	0	1.2
9	0.53	0	0.02	0	0.7	0	3.2	1	0.6	1	0.7	0	1.2
10	1	0	10	0	2	0	2	0	2	0	2	0	1
11	1	0	10	0	2	0	2	0	2	0	2	0	1
12	1	0	10	0	220	1	620	1	2	0	2	0	1
13	1	0	10	0	2	0	24	1	2	0	2	0	1
14	1	0	10	0	220	1	430	1	2	0	150	1	1
15	1	0	10	0	170	1	700	1	2	0	310	1	1
16	1	0	10	0	85	1	550	1	2	0	150	1	1
17	1	0	10	0	2	0	2	0	2	0	2	0	1
18	1	0	10	0	2	0	2	0	2	0	2	0	1
19	1	0	10	0	2	0	2	0	2	0	2	0	1
20	2	0	2	0	6.77	1	54.8	1	40	1	2.48	1	2
21	2	0	2.46	1	44.3	1	169	1	27.8	1	17.4	1	2
22	2	0	2	0	3.23	1	9.32	1	4.19	1	2	0	2
23	8	0	8	0	8	0	74.1	1	31.1	1	8	0	8
24	8	0	8	0	12.7	1	61.6	1	49.9	1	8	0	8
25	8	0	8	0	11.5	1	51.2	1	52.1	1	8	0	8
26	8	0	8	0	56.3	1	115	1	28.4	1	9.64	1	8
27	40	0	40	0	185	1	1080	1	776	1	40	0	40
28	8	0	8	0	8	0	76.9	1	50.9	1	8	0	8
29	40	0	40	0	262	1	952	1	1130	1	40	0	40
30	8	0	8	0	8	0	16	0	8	0	8	0	8
31	40	0	40	0	123	1	769	1	680	1	40	0	40
32	8	0	8	0	8	0	46.6	1	24.2	1	8	0	8
33	80	0	80	0	321	1	1460	1	2200	1	80	0	80
34	80	0	80	0	279	1	1180	1	1550	1	80	0	80
35	80	0	80	0	431	1	1700	1	2780	1	85.4	1	80
36	80	0	80	0	288	1	1430	1	1830	1	80	0	80
37	40	0	40	0	117	1	451	1	695	1	40	0	40
38	80	0	80	0	352	1	1000	1	2440	1	80	0	80
39	8	0	8.9	1	273	1	729	1	505	1	83.9	1	8
40	80	0	80	0	246	1	1380	1	1240	1	81.4	1	80
41	8	0	8	0	22	1	404	1	232	1	8	0	8
42	2	0	30.5	1	107	1	1440	1	1670	1	13.8	1	2
43	8	0	8	0	10.3	1	63.4	1	84.6	1	8	1	8
44	8	0	19.24	1	56.3	1	1100	1	1010	1	13.8	1	8
45	8	0	22.17	1	96.6	1	1260	1	1220	1	18.8	1	8
46	8	0	29.8	1	594	1	984	1	113	1	87.1	1	8
47	8	0	8	0	50	1	520	1	500	1	9.49	1	8
48	8	0	22.9	1	101	1	1000	1	554	1	17.1	1	8
49	8	0	9.68	1	65	1	843	1	584	1	34.7	1	8
50	8	0	17.07	1	118	1	1290	1	961	1	29.1	1	8
51	8	0	32.4	1	592	1	2660	1	2540	1	71.8	1	8
52	8	0	37.4	1	566	1	1320	1	86.5	1	212	1	8

	A	B	C	D	E	F	G	H	I	J	K	L	M
53	8	0	28.1	1	194	1	1040	1	608	1	106	1	8
54	8	0	23.2	1	241	1	911	1	778	1	74.3	1	8
55	8	0	39.8	1	963	1	1330	1	428	1	190	1	8
56	8	0	25.2	1	95.9	1	809	1	470	1	40.7	1	8
57	8	0	44	1	834	1	1280	1	282	1	228	1	8
58	8	0	33.7	1	346	1	1360	1	583	1	73.9	1	8
59	8	0	48.6	1	497	1	1220	1	258	1	147	1	8
60	8	0	31.2	1	122	1	1370	1	1440	1	19.4	1	8
61	8	0	28.42	1	147	1	1430	1	1320	1	18.1	1	8
62	20	0	20	0	330	1	849	1	378	1	76.7	1	20
63	20	0	20	0	717	1	807	1	58	1	112	1	20
64	20	0	20	0	244	1	899	1	1570	1	55.1	1	20
65	20	0	23.3	1	385	1	1020	1	316	1	97.9	1	20
66	20	0	6705	1	229	1	808	1	880	1	44.3	1	20
67	20	0	61.8	1	490	1	1790	1	3890	1	149	1	20
68	20	0	102.2	1	106	1	412	1	453	1	20	0	20
69	20	0	57.1	1	454	1	1970	1	4410	1	94.1	1	20
70	20	0	23.8	1	219	1	1530	1	832	1	81.9	1	20
71	20	0	20	0	98.7	1	513	1	332	1	40.4	1	20
72	20	0	25.2	1	123	1	1090	1	878	1	20	0	20
73	20	0	20	0	129	1	1360	1	915	1	29.1	1	20
74	20	0	85.5	1	83.9	1	607	1	652	1	20	0	20
75	20	0	35.1	1	232	1	1990	1	3770	1	85	1	20
76	20	0	20	0	38	1	184	1	128	1	20	0	20
77	20	0	20	0	79.37	1	379	1	330	1	31.3	1	20
78	20	0	20	0	198	1	1320	1	1620	1	49.3	1	20
79	20	0	20	0	77.38	1	799	1	698	1	20.4	1	20
80	20	0	20	0	20	0	284	1	130	1	20	0	20
81	20	0	21.6	1	256	1	1570	1	2120	1	71.7	1	20
82	20	0	20	0	148	1	1140	1	1200	1	42.6	1	20
83	20	0	20	0	141	1	1500	1	832	1	63	1	20
84	20	0	20	0	183	1	1280	1	1320	1	44.9	1	20
85	20	0	20	0	69.8	1	366	1	488	1	20	0	20
86	20	0	20	0	151	1	1180	1	1340	1	48.8	1	20
87	5	0	5	0	62.4	1	65.9	1	22.1	1	10.7	1	5
88	20	0	20	0	20	0	153	1	73	1	20	0	20
89	20	0	159.3	1	92	1	660	1	518	1	20.7	1	20
90	8	0	17.37	1	28.8	1	533	1	303	1	27.4	1	8
91	8	0	29.8	1	48.8	1	1160	1	584	1	17.2	1	8
92	8	0	51.3	1	133	1	2910	1	2450	1	44.6	1	8
93	8	0	36.2	1	136	1	1130	1	1950	1	29.3	1	8
94	8	0	18.69	1	89.2	1	648	1	856	1	34.9	1	8
95	8	0	24.4	1	287	1	720	1	330	1	79.8	1	8
96	8	0	44.2	1	765	1	1400	1	280	1	243	1	8
97	8	0	14.5	1	710	1	1240	1	215	1	215	1	8
98	8	0	8	0	652	1	886	1	32.9	1	110	1	8
99	8	0	46.5	1	1200	1	1330	1	294	1	248	1	8

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	D_Endosulf	Endrin	D_Endrin	Heptachlor	D_Heptachl	Methoxychl	D_Methoxy	Toxaphene	D_Toxaphe	TPHd	D_TPHd	TPHo	D_TPHo
2	0	7.6	1	1.2	1	0.5	0	6.7	0	13	1	100	1
3	1	0.73	0	2.2	0	0.5	0	6.7	0	1.5	0	19	1
4	1	0.73	0	2.2	0	0.5	0	6.7	0	16	1	57	1
5	0	0.73	0	2.2	0	97	1	6.7	0	29	1	96	1
6	0	0.73	0	2.2	0	0.5	0	6.7	0	50	1	280	1
7	1	0.26	0	2.2	0	0.5	0	6.7	0	1.5	0	1.5	0
8	0	0.73	0	2.2	0	0.5	0	6.7	0	1.5	0	21	1
9	0	0.73	0	2.2	0	0.5	0	6.7	0	1.5	0	8.6	1
10	0	2	0	1	0	10	0	20	0	10	0	20	0
11	0	2	0	1	0	10	0	20	0	10	0	20	0
12	0	2	0	1	0	10	0	20	0	10	0	20	0
13	0	2	0	1	0	10	0	20	0	10	0	20	0
14	0	2	0	1	0	10	0	20	0	10	0	20	0
15	0	2	0	1	0	10	0	20	0	10	0	20	0
16	0	2	0	1	0	10	0	20	0	10	0	20	0
17	0	2	0	1	0	10	0	20	0	10	0	20	0
18	0	2	0	1	0	10	0	20	0	10	0	20	0
19	0	2	0	1	0	10	0	20	0	10	0	20	0
20	0	7.04	1	2	0	10	0	166	1	2.5	0	100	0
21	0	3.56	1	2	0	10	0	290	1	2.5	0	100	0
22	0	2	0	2	0	10	0	46	1	2.8	1	100	0
23	0	9.47	1	8	0	40	0	175	1	2.5	0	100	0
24	0	16.2	1	8	0	40	0	257	1	2.5	0	100	0
25	0	14	1	8	0	40	0	188	1	2.5	0	100	0
26	0	8	0	8	0	40	0	321	1	2.5	0	100	0
27	0	40	0	40	0	200	0	2880	1	2.57	1	100	0
28	0	8	0	8	0	40	0	218	1	4.52	1	100	0
29	0	186	1	40	0	200	0	3200	1	2.5	0	100	0
30	0	8	0	8	0	40	0	120	0				
31	0	187	1	40	0	200	0	2800	1				
32	0	8	0	8	0	40	0	135	1				
33	0	452	1	80	0	400	0	4250	1				
34	0	329	1	80	0	400	0	3500	1				
35	0	536	1	80	0	400	0	5200	1				
36	0	402	1	80	0	400	0	4640	1				
37	0	131	1	40	0	200	0	3220	1				
38	0	370	1	80	0	400	0	5020	1				
39	0	70.1	1	8	0	40	0	1900	1				
40	0	272	1	80	0	400	0	2980	1				
41	0	28	1	8	0	40	0	347	1				
42	0	252	1	2	0	10	0	3100	1				
43	0	20.5	1	8	0	40	0	290	1				
44	0	280	1	8	0	40	0	2480	1				
45	0	287	1	8	0	40	0	2910	1				
46	0	20.1	1	8	0	40	0	1250	1				
47	0	143	1	8	0	40	0	1690	1				
48	0	170	1	8	0	40	0	1820	1				
49	0	179	1	8	0	40	0	1950	1				
50	0	197	1	8	0	40	0	2100	1				
51	0	585	1	8	0	40	0	5260	1				
52	0	37.3	1	8	0	40	0	1330	1				

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
53	0	140	1	8	0	40	0	2610	1				
54	0	125	1	8	0	40	0	2440	1				
55	0	82.2	1	8	0	40	0	3450	1				
56	0	145	1	8	0	40	0	1750	1				
57	0	45.6	1	8	0	40	0	3790	1				
58	0	131	1	8	0	40	0	2320	1				
59	0	47.6	1	8	0	40	0	2410	1				
60	0	282	1	8	0	40	0	2990	1				
61	0	305	1	8	0	40	0	3000	1				
62	0	94.32	1	20	0	100	0	2220	1				
63	0	20	0	20	0	100	0	300	0				
64	0	165	1	20	0	100	0	2850	1				
65	0	61.3	1	20	0	100	0	1980	1				
66	0	167	1	20	0	100	0	2010	1				
67	0	467	1	20	0	100	0	2680	1				
68	0	92.1	1	20	0	100	0	604	1				
69	0	720	1	20	0	100	0	2950	1				
70	0	199	1	20	0	100	0	1160	1				
71	0	101	1	20	0	100	0	582	1				
72	0	243	1	20	0	100	0	1360	1				
73	0	303	1	20	0	100	0	1090	1				
74	0	144	1	20	0	100	0	683	1				
75	0	595	1	20	0	100	0	1960	1				
76	0	20.2	1	20	0	100	0	300	0				
77	0	80.1	1	20	0	100	0	444	1				
78	0	414	1	20	0	100	0	1570	1				
79	0	162	1	20	0	100	0	706	1				
80	0	33.5	1	20	0	100	0	300	0				
81	0	562	1	20	0	100	0	1970	1				
82	0	342	1	20	0	100	0	1610	1				
83	0	322	1	20	0	100	0	1180	1				
84	0	394	1	20	0	100	0	1490	1				
85	0	154	1	20	0	100	0	778	1				
86	0	352	1	20	0	100	0	1440	1				
87	0	5	0	5	0	25	0	310	1				
88	0	20	0	20	0	100	0	300	0				
89	0	150	1	20	0	100	0	1070	1				
90	0	140	1	8	0	40	0	1390	1				
91	0	231	1	8	0	40	0	2200	1				
92	0	698	1	8	0	40	0	6120	1				
93	0	251	1	8	0	40	0	7300	1				
94	0	209	1	8	0	40	0	4510	1				
95	0	47.7	1	8	0	40	0	1490	1				
96	0	46.3	1	8	0	40	0	3460	1				
97	0	26.4	1	8	0	40	0	3400	1				
98	0	8	0	8	0	40	0	120	0				
99	0	21.2	1	8	0	40	0	2870	1				

A	B	C	D	E	F	G	H	I	J	K	L	
1	UCL Statistics for Data Sets with Non-Detects											
2												
3	User Selected Options											
4	Date/Time of Computation		ProUCL 5.16/22/2016 12:43:25 PM									
5	From File		Lemonwood ES ProUCL input table.xls									
6	Full Precision		OFF									
7	Confidence Coefficient		95%									
8	Number of Bootstrap Operations		2000									
9												
10	BHC											
11												
12	General Statistics											
13	Total Number of Observations			98	Number of Distinct Observations			10				
14	Number of Detects			2	Number of Non-Detects			96				
15	Number of Distinct Detects			2	Number of Distinct Non-Detects			8				
16	Minimum Detect			0.13	Minimum Non-Detect			0.53				
17	Maximum Detect			0.42	Maximum Non-Detect			80				
18	Variance Detects			0.0421	Percent Non-Detects			97.96%				
19	Mean Detects			0.275	SD Detects			0.205				
20	Median Detects			0.275	CV Detects			0.746				
21	Skewness Detects			N/A	Kurtosis Detects			N/A				
22	Mean of Logged Detects			-1.454	SD of Logged Detects			0.829				
23												
24	Warning: Data set has only 2 Detected Values.											
25	This is not enough to compute meaningful or reliable statistics and estimates.											
26												
27												
28	Normal GOF Test on Detects Only											
29	Not Enough Data to Perform GOF Test											
30												
31	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
32	KM Mean			0.275	KM Standard Error of Mean			0.145				
33	KM SD			0.145	95% KM (BCA) UCL			N/A				
34	95% KM (t) UCL			0.516	95% KM (Percentile Bootstrap) UCL			N/A				
35	95% KM (z) UCL			0.514	95% KM Bootstrap t UCL			N/A				
36	90% KM Chebyshev UCL			0.71	95% KM Chebyshev UCL			0.907				
37	97.5% KM Chebyshev UCL			1.181	99% KM Chebyshev UCL			1.718				
38												
39	Gamma GOF Tests on Detected Observations Only											
40	Not Enough Data to Perform GOF Test											
41												
42	Gamma Statistics on Detected Data Only											
43	k hat (MLE)			3.227	k star (bias corrected MLE)			N/A				
44	Theta hat (MLE)			0.0852	Theta star (bias corrected MLE)			N/A				
45	nu hat (MLE)			12.91	nu star (bias corrected)			N/A				
46	Mean (detects)			0.275								
47												
48	Estimates of Gamma Parameters using KM Estimates											
49	Mean (KM)			0.275	SD (KM)			0.145				
50	Variance (KM)			0.021	SE of Mean (KM)			0.145				
51	k hat (KM)			3.597	k star (KM)			3.494				
52	nu hat (KM)			705	nu star (KM)			684.7				

	A	B	C	D	E	F	G	H	I	J	K	L
53	theta hat (KM)				0.0765	theta star (KM)				0.0787		
54	80% gamma percentile (KM)				0.385	90% gamma percentile (KM)				0.472		
55	95% gamma percentile (KM)				0.553	99% gamma percentile (KM)				0.726		
56												
57	Gamma Kaplan-Meier (KM) Statistics											
58							Adjusted Level of Significance (β)				0.0476	
59	Approximate Chi Square Value (684.75, α)				625	Adjusted Chi Square Value (684.75, β)				624.2		
60	95% Gamma Approximate KM-UCL (use when $n \geq 50$)				0.301	95% Gamma Adjusted KM-UCL (use when $n < 50$)				0.302		
61												
62	Lognormal GOF Test on Detected Observations Only											
63	Not Enough Data to Perform GOF Test											
64												
65	Lognormal ROS Statistics Using Imputed Non-Detects											
66	Mean in Original Scale				0.435	Mean in Log Scale				-1.454		
67	SD in Original Scale				0.558	SD in Log Scale				1.15		
68	95% t UCL (assumes normality of ROS data)				0.529	95% Percentile Bootstrap UCL				0.529		
69	95% BCA Bootstrap UCL				0.547	95% Bootstrap t UCL				0.556		
70	95% H-UCL (Log ROS)				0.6							
71												
72	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution											
73	KM Mean (logged)				-1.454	KM Geo Mean				0.234		
74	KM SD (logged)				0.586	95% Critical H Value (KM-Log)				1.909		
75	KM Standard Error of Mean (logged)				0.586	95% H-UCL (KM -Log)				0.311		
76	KM SD (logged)				0.586	95% Critical H Value (KM-Log)				1.909		
77	KM Standard Error of Mean (logged)				0.586							
78												
79	DL/2 Statistics											
80	DL/2 Normal						DL/2 Log-Transformed					
81	Mean in Original Scale				7.711	Mean in Log Scale				1.348		
82	SD in Original Scale				9.468	SD in Log Scale				1.35		
83	95% t UCL (Assumes normality)				9.299	95% H-Stat UCL				13.72		
84	DL/2 is not a recommended method, provided for comparisons and historical reasons											
85												
86	Nonparametric Distribution Free UCL Statistics											
87	Data do not follow a Discernible Distribution at 5% Significance Level											
88												
89	Suggested UCL to Use											
90	95% KM (Chebyshev) UCL				0.907							
91	Warning: Recommended UCL exceeds the maximum observation											
92												
93	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
94	Recommendations are based upon data size, data distribution, and skewness.											
95	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
96	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
97												
98	Chlordane											
99												
100	General Statistics											
101	Total Number of Observations				98	Number of Distinct Observations				49		
102	Number of Detects				43	Number of Non-Detects				55		
103	Number of Distinct Detects				41	Number of Distinct Non-Detects				8		
104	Minimum Detect				0.8	Minimum Non-Detect				0.02		

	A	B	C	D	E	F	G	H	I	J	K	L
105					Maximum Detect	6705				Maximum Non-Detect		80
106					Variance Detects	1035745				Percent Non-Detects		56.12%
107					Mean Detects	189				SD Detects		1018
108					Median Detects	28.42				CV Detects		5.383
109					Skewness Detects	6.55				Kurtosis Detects		42.93
110					Mean of Logged Detects	3.327				SD of Logged Detects		1.274
111												
112	Normal GOF Test on Detects Only											
113					Shapiro Wilk Test Statistic	0.172				Shapiro Wilk GOF Test		
114					5% Shapiro Wilk Critical Value	0.943				Detected Data Not Normal at 5% Significance Level		
115					Lilliefors Test Statistic	0.488				Lilliefors GOF Test		
116					5% Lilliefors Critical Value	0.134				Detected Data Not Normal at 5% Significance Level		
117	Detected Data Not Normal at 5% Significance Level											
118												
119	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
120					KM Mean	85.19				KM Standard Error of Mean		68.75
121					KM SD	672.6				95% KM (BCA) UCL		222.2
122					95% KM (t) UCL	199.4				95% KM (Percentile Bootstrap) UCL		221.5
123					95% KM (z) UCL	198.3				95% KM Bootstrap t UCL		2504
124					90% KM Chebyshev UCL	291.4				95% KM Chebyshev UCL		384.9
125					97.5% KM Chebyshev UCL	514.5				99% KM Chebyshev UCL		769.2
126												
127	Gamma GOF Tests on Detected Observations Only											
128					A-D Test Statistic	9.303				Anderson-Darling GOF Test		
129					5% A-D Critical Value	0.848				Detected Data Not Gamma Distributed at 5% Significance Level		
130					K-S Test Statistic	0.397				Kolmogorov-Smirnov GOF		
131					5% K-S Critical Value	0.146				Detected Data Not Gamma Distributed at 5% Significance Level		
132	Detected Data Not Gamma Distributed at 5% Significance Level											
133												
134	Gamma Statistics on Detected Data Only											
135					k hat (MLE)	0.351				k star (bias corrected MLE)		0.342
136					Theta hat (MLE)	538.7				Theta star (bias corrected MLE)		552.9
137					nu hat (MLE)	30.18				nu star (bias corrected)		29.41
138					Mean (detects)	189						
139												
140	Gamma ROS Statistics using Imputed Non-Detects											
141	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											
142	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)											
143	For such situations, GROS method may yield incorrect values of UCLs and BTVs											
144	This is especially true when the sample size is small.											
145	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
146					Minimum	0.01				Mean		84.35
147					Maximum	6705				Median		0.01
148					SD	676.3				CV		8.017
149					k hat (MLE)	0.142				k star (bias corrected MLE)		0.144
150					Theta hat (MLE)	594.7				Theta star (bias corrected MLE)		584.6
151					nu hat (MLE)	27.8				nu star (bias corrected)		28.28
152					Adjusted Level of Significance (β)	0.0476						
153					Approximate Chi Square Value (28.28, α)	17.15				Adjusted Chi Square Value (28.28, β)		17.02
154					95% Gamma Approximate UCL (use when $n \geq 50$)	139.1				95% Gamma Adjusted UCL (use when $n < 50$)		140.2
155												
156	Estimates of Gamma Parameters using KM Estimates											

A	B	C	D	E	F	G	H	I	J	K	L
157				Mean (KM)	85.19					SD (KM)	672.6
158				Variance (KM)	452363					SE of Mean (KM)	68.75
159				k hat (KM)	0.016					k star (KM)	0.0224
160				nu hat (KM)	3.145					nu star (KM)	4.382
161				theta hat (KM)	5310					theta star (KM)	3811
162				80% gamma percentile (KM)	0.101					90% gamma percentile (KM)	19.66
163				95% gamma percentile (KM)	233					99% gamma percentile (KM)	2344
164											
165	Gamma Kaplan-Meier (KM) Statistics										
166				Approximate Chi Square Value (4.38, α)	0.878					Adjusted Chi Square Value (4.38, β)	0.856
167				95% Gamma Approximate KM-UCL (use when $n \geq 50$)	425.1					95% Gamma Adjusted KM-UCL (use when $n < 50$)	436.2
168											
169	Lognormal GOF Test on Detected Observations Only										
170				Shapiro Wilk Test Statistic	0.824					Shapiro Wilk GOF Test	
171				5% Shapiro Wilk Critical Value	0.943					Detected Data Not Lognormal at 5% Significance Level	
172				Lilliefors Test Statistic	0.188					Lilliefors GOF Test	
173				5% Lilliefors Critical Value	0.134					Detected Data Not Lognormal at 5% Significance Level	
174	Detected Data Not Lognormal at 5% Significance Level										
175											
176	Lognormal ROS Statistics Using Imputed Non-Detects										
177				Mean in Original Scale	85.32					Mean in Log Scale	1.97
178				SD in Original Scale	676					SD in Log Scale	1.659
179				95% t UCL (assumes normality of ROS data)	198.7					95% Percentile Bootstrap UCL	221.3
180				95% BCA Bootstrap UCL	357.6					95% Bootstrap t UCL	2697
181				95% H-UCL (Log ROS)	47						
182											
183	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution										
184				KM Mean (logged)	0.598					KM Geo Mean	1.818
185				KM SD (logged)	3.312					95% Critical H Value (KM-Log)	5.193
186				KM Standard Error of Mean (logged)	0.507					95% H-UCL (KM -Log)	2514
187				KM SD (logged)	3.312					95% Critical H Value (KM-Log)	5.193
188				KM Standard Error of Mean (logged)	0.507						
189											
190	DL/2 Statistics										
191	DL/2 Normal					DL/2 Log-Transformed					
192				Mean in Original Scale	88.85					Mean in Log Scale	2.278
193				SD in Original Scale	675.6					SD in Log Scale	2.01
194				95% t UCL (Assumes normality)	202.2					95% H-Stat UCL	147.9
195	DL/2 is not a recommended method, provided for comparisons and historical reasons										
196											
197	Nonparametric Distribution Free UCL Statistics										
198	Data do not follow a Discernible Distribution at 5% Significance Level										
199											
200	Suggested UCL to Use										
201				95% KM (Chebyshev) UCL	384.9						
202											
203	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.										
204	Recommendations are based upon data size, data distribution, and skewness.										
205	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).										
206	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.										
207											
208	4,4'-DDD										

	A	B	C	D	E	F	G	H	I	J	K	L
209												
210	General Statistics											
211	Total Number of Observations				98		Number of Distinct Observations				86	
212	Number of Detects				85		Number of Non-Detects				13	
213	Number of Distinct Detects				82		Number of Distinct Non-Detects				4	
214	Minimum Detect				1.5		Minimum Non-Detect				0.7	
215	Maximum Detect				1200		Maximum Non-Detect				20	
216	Variance Detects				55821		Percent Non-Detects				13.27%	
217	Mean Detects				225.8		SD Detects				236.3	
218	Median Detects				136		CV Detects				1.046	
219	Skewness Detects				1.867		Kurtosis Detects				3.732	
220	Mean of Logged Detects				4.809		SD of Logged Detects				1.318	
221												
222	Normal GOF Test on Detects Only											
223	Shapiro Wilk Test Statistic				0.797		Normal GOF Test on Detected Observations Only					
224	5% Shapiro Wilk P Value				0		Detected Data Not Normal at 5% Significance Level					
225	Lilliefors Test Statistic				0.177		Lilliefors GOF Test					
226	5% Lilliefors Critical Value				0.0962		Detected Data Not Normal at 5% Significance Level					
227	Detected Data Not Normal at 5% Significance Level											
228												
229	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
230	KM Mean				196.1		KM Standard Error of Mean				23.53	
231	KM SD				231.5		95% KM (BCA) UCL				235.5	
232	95% KM (t) UCL				235.2		95% KM (Percentile Bootstrap) UCL				236.3	
233	95% KM (z) UCL				234.8		95% KM Bootstrap t UCL				242	
234	90% KM Chebyshev UCL				266.7		95% KM Chebyshev UCL				298.7	
235	97.5% KM Chebyshev UCL				343.1		99% KM Chebyshev UCL				430.2	
236												
237	Gamma GOF Tests on Detected Observations Only											
238	A-D Test Statistic				0.335		Anderson-Darling GOF Test					
239	5% A-D Critical Value				0.785		Detected data appear Gamma Distributed at 5% Significance Level					
240	K-S Test Statistic				0.058		Kolmogorov-Smirnov GOF					
241	5% K-S Critical Value				0.1		Detected data appear Gamma Distributed at 5% Significance Level					
242	Detected data appear Gamma Distributed at 5% Significance Level											
243												
244	Gamma Statistics on Detected Data Only											
245	k hat (MLE)				0.951		k star (bias corrected MLE)				0.925	
246	Theta hat (MLE)				237.5		Theta star (bias corrected MLE)				244.1	
247	nu hat (MLE)				161.6		nu star (bias corrected)				157.2	
248	Mean (detects)				225.8							
249												
250	Gamma ROS Statistics using Imputed Non-Detects											
251	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											
252	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)											
253	For such situations, GROS method may yield incorrect values of UCLs and BTVs											
254	This is especially true when the sample size is small.											
255	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
256	Minimum				0.01		Mean				195.9	
257	Maximum				1200		Median				117.5	
258	SD				233		CV				1.189	
259	k hat (MLE)				0.385		k star (bias corrected MLE)				0.38	
260	Theta hat (MLE)				508.1		Theta star (bias corrected MLE)				514.8	

A	B	C	D	E	F	G	H	I	J	K	L
261	nu hat (MLE)				75.55	nu star (bias corrected)				74.57	
262	Adjusted Level of Significance (β)				0.0476						
263	Approximate Chi Square Value (74.57, α)				55.68	Adjusted Chi Square Value (74.57, β)				55.44	
264	95% Gamma Approximate UCL (use when $n \geq 50$)				262.3	95% Gamma Adjusted UCL (use when $n < 50$)				263.4	
265											
266	Estimates of Gamma Parameters using KM Estimates										
267	Mean (KM)				196.1	SD (KM)				231.5	
268	Variance (KM)				53603	SE of Mean (KM)				23.53	
269	k hat (KM)				0.718	k star (KM)				0.703	
270	nu hat (KM)				140.7	nu star (KM)				137.7	
271	theta hat (KM)				273.3	theta star (KM)				279.2	
272	80% gamma percentile (KM)				322.4	90% gamma percentile (KM)				491.9	
273	95% gamma percentile (KM)				666.7	99% gamma percentile (KM)				1084	
274											
275	Gamma Kaplan-Meier (KM) Statistics										
276	Approximate Chi Square Value (137.70, α)				111.6	Adjusted Chi Square Value (137.70, β)				111.2	
277	95% Gamma Approximate KM-UCL (use when $n \geq 50$)				242	95% Gamma Adjusted KM-UCL (use when $n < 50$)				242.8	
278											
279	Lognormal GOF Test on Detected Observations Only										
280	Shapiro Wilk Approximate Test Statistic				0.934	Shapiro Wilk GOF Test					
281	5% Shapiro Wilk P Value				3.0197E-4	Detected Data Not Lognormal at 5% Significance Level					
282	Lilliefors Test Statistic				0.116	Lilliefors GOF Test					
283	5% Lilliefors Critical Value				0.0962	Detected Data Not Lognormal at 5% Significance Level					
284	Detected Data Not Lognormal at 5% Significance Level										
285											
286	Lognormal ROS Statistics Using Imputed Non-Detects										
287	Mean in Original Scale				197.1	Mean in Log Scale				4.453	
288	SD in Original Scale				231.9	SD in Log Scale				1.54	
289	95% t UCL (assumes normality of ROS data)				236	95% Percentile Bootstrap UCL				237.7	
290	95% BCA Bootstrap UCL				240.2	95% Bootstrap t UCL				240.8	
291	95% H-UCL (Log ROS)				438.9						
292											
293	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution										
294	KM Mean (logged)				4.214	KM Geo Mean				67.6	
295	KM SD (logged)				1.974	95% Critical H Value (KM-Log)				3.38	
296	KM Standard Error of Mean (logged)				0.205	95% H-UCL (KM -Log)				933.7	
297	KM SD (logged)				1.974	95% Critical H Value (KM-Log)				3.38	
298	KM Standard Error of Mean (logged)				0.205						
299											
300	DL/2 Statistics										
301	DL/2 Normal					DL/2 Log-Transformed					
302	Mean in Original Scale				196.3	Mean in Log Scale				4.264	
303	SD in Original Scale				232.6	SD in Log Scale				1.898	
304	95% t UCL (Assumes normality)				235.3	95% H-Stat UCL				810.4	
305	DL/2 is not a recommended method, provided for comparisons and historical reasons										
306											
307	Nonparametric Distribution Free UCL Statistics										
308	Detected Data appear Gamma Distributed at 5% Significance Level										
309											
310	Suggested UCL to Use										
311	95% KM Approximate Gamma UCL				242						
312											

A	B	C	D	E	F	G	H	I	J	K	L	
313	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
314	Recommendations are based upon data size, data distribution, and skewness.											
315	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
316	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
317												
318	4,4'-DDE											
319												
320	General Statistics											
321	Total Number of Observations	98						Number of Distinct Observations	87			
322	Number of Detects	92						Number of Non-Detects	6			
323	Number of Distinct Detects	85						Number of Distinct Non-Detects	2			
324	Minimum Detect	3.2						Minimum Non-Detect	2			
325	Maximum Detect	2910						Maximum Non-Detect	16			
326	Variance Detects	358049						Percent Non-Detects	6.122%			
327	Mean Detects	859.1						SD Detects	598.4			
328	Median Detects	846						CV Detects	0.697			
329	Skewness Detects	0.613						Kurtosis Detects	0.771			
330	Mean of Logged Detects	6.268						SD of Logged Detects	1.321			
331												
332	Normal GOF Test on Detects Only											
333	Shapiro Wilk Test Statistic	0.936						Normal GOF Test on Detected Observations Only				
334	5% Shapiro Wilk P Value	2.3696E-4						Detected Data Not Normal at 5% Significance Level				
335	Lilliefors Test Statistic	0.0763						Lilliefors GOF Test				
336	5% Lilliefors Critical Value	0.0926						Detected Data appear Normal at 5% Significance Level				
337	Detected Data appear Approximate Normal at 5% Significance Level											
338												
339	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
340	KM Mean	806.6						KM Standard Error of Mean	62.17			
341	KM SD	612.1						95% KM (BCA) UCL	909.2			
342	95% KM (t) UCL	909.9						95% KM (Percentile Bootstrap) UCL	906.8			
343	95% KM (z) UCL	908.9						95% KM Bootstrap t UCL	919			
344	90% KM Chebyshev UCL	993.2						95% KM Chebyshev UCL	1078			
345	97.5% KM Chebyshev UCL	1195						99% KM Chebyshev UCL	1425			
346												
347	Gamma GOF Tests on Detected Observations Only											
348	A-D Test Statistic	3.416						Anderson-Darling GOF Test				
349	5% A-D Critical Value	0.779						Detected Data Not Gamma Distributed at 5% Significance Level				
350	K-S Test Statistic	0.148						Kolmogorov-Smirnov GOF				
351	5% K-S Critical Value	0.0957						Detected Data Not Gamma Distributed at 5% Significance Level				
352	Detected Data Not Gamma Distributed at 5% Significance Level											
353												
354	Gamma Statistics on Detected Data Only											
355	k hat (MLE)	1.162						k star (bias corrected MLE)	1.132			
356	Theta hat (MLE)	739.2						Theta star (bias corrected MLE)	759.2			
357	nu hat (MLE)	213.9						nu star (bias corrected)	208.2			
358	Mean (detects)	859.1										
359												
360	Gamma ROS Statistics using Imputed Non-Detects											
361	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											
362	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)											
363	For such situations, GROS method may yield incorrect values of UCLs and BTVs											
364	This is especially true when the sample size is small.											

A	B	C	D	E	F	G	H	I	J	K	L	
365	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
366	Minimum			3.2	Mean			818.6				
367	Maximum			2910	Median			807.5				
368	SD			601.1	CV			0.734				
369	k hat (MLE)			1.137	k star (bias corrected MLE)			1.109				
370	Theta hat (MLE)			720	Theta star (bias corrected MLE)			738.2				
371	nu hat (MLE)			222.8	nu star (bias corrected)			217.4				
372	Adjusted Level of Significance (β)			0.0476								
373	Approximate Chi Square Value (217.35, α)			184.2	Adjusted Chi Square Value (217.35, β)			183.8				
374	95% Gamma Approximate UCL (use when $n \geq 50$)			965.7	95% Gamma Adjusted UCL (use when $n < 50$)			968.1				
375												
376	Estimates of Gamma Parameters using KM Estimates											
377	Mean (KM)			806.6	SD (KM)			612.1				
378	Variance (KM)			374679	SE of Mean (KM)			62.17				
379	k hat (KM)			1.737	k star (KM)			1.69				
380	nu hat (KM)			340.4	nu star (KM)			331.3				
381	theta hat (KM)			464.5	theta star (KM)			477.2				
382	80% gamma percentile (KM)			1231	90% gamma percentile (KM)			1633				
383	95% gamma percentile (KM)			2020	99% gamma percentile (KM)			2887				
384												
385	Gamma Kaplan-Meier (KM) Statistics											
386	Approximate Chi Square Value (331.29, α)			290.1	Adjusted Chi Square Value (331.29, β)			289.5				
387	95% Gamma Approximate KM-UCL (use when $n \geq 50$)			921.1	95% Gamma Adjusted KM-UCL (use when $n < 50$)			922.9				
388												
389	Lognormal GOF Test on Detected Observations Only											
390	Shapiro Wilk Approximate Test Statistic			0.818	Shapiro Wilk GOF Test							
391	5% Shapiro Wilk P Value			1.110E-16	Detected Data Not Lognormal at 5% Significance Level							
392	Lilliefors Test Statistic			0.198	Lilliefors GOF Test							
393	5% Lilliefors Critical Value			0.0926	Detected Data Not Lognormal at 5% Significance Level							
394	Detected Data Not Lognormal at 5% Significance Level											
395												
396	Lognormal ROS Statistics Using Imputed Non-Detects											
397	Mean in Original Scale			808.8	Mean in Log Scale			6.103				
398	SD in Original Scale			612.5	SD in Log Scale			1.437				
399	95% t UCL (assumes normality of ROS data)			911.5	95% Percentile Bootstrap UCL			909.9				
400	95% BCA Bootstrap UCL			913.5	95% Bootstrap t UCL			912				
401	95% H-UCL (Log ROS)			1867								
402												
403	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution											
404	KM Mean (logged)			5.929	KM Geo Mean			375.9				
405	KM SD (logged)			1.839	95% Critical H Value (KM-Log)			3.209				
406	KM Standard Error of Mean (logged)			0.187	95% H-UCL (KM -Log)			3709				
407	KM SD (logged)			1.839	95% Critical H Value (KM-Log)			3.209				
408	KM Standard Error of Mean (logged)			0.187								
409												
410	DL/2 Statistics											
411	DL/2 Normal				DL/2 Log-Transformed							
412	Mean in Original Scale			806.6	Mean in Log Scale			5.905				
413	SD in Original Scale			615.3	SD in Log Scale			1.926				
414	95% t UCL (Assumes normality)			909.9	95% H-Stat UCL			4492				
415	DL/2 is not a recommended method, provided for comparisons and historical reasons											
416												

A	B	C	D	E	F	G	H	I	J	K	L
417	Nonparametric Distribution Free UCL Statistics										
418	Detected Data appear Approximate Normal Distributed at 5% Significance Level										
419											
420	Suggested UCL to Use										
421	95% KM (t) UCL			909.9							
422											
423	When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test										
424	When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL										
425											
426	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.										
427	Recommendations are based upon data size, data distribution, and skewness.										
428	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).										
429	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.										
430											
431	4,4'-DDT										
432											
433	General Statistics										
434	Total Number of Observations			98		Number of Distinct Observations			85		
435	Number of Detects			87		Number of Non-Detects			11		
436	Number of Distinct Detects			83		Number of Distinct Non-Detects			2		
437	Minimum Detect			0.6		Minimum Non-Detect			2		
438	Maximum Detect			4410		Maximum Non-Detect			8		
439	Variance Detects			837775		Percent Non-Detects			11.22%		
440	Mean Detects			810.9		SD Detects			915.3		
441	Median Detects			518		CV Detects			1.129		
442	Skewness Detects			1.88		Kurtosis Detects			3.874		
443	Mean of Logged Detects			5.846		SD of Logged Detects			1.679		
444											
445	Normal GOF Test on Detects Only										
446	Shapiro Wilk Test Statistic			0.791		Normal GOF Test on Detected Observations Only					
447	5% Shapiro Wilk P Value			0		Detected Data Not Normal at 5% Significance Level					
448	Lilliefors Test Statistic			0.188		Lilliefors GOF Test					
449	5% Lilliefors Critical Value			0.0951		Detected Data Not Normal at 5% Significance Level					
450	Detected Data Not Normal at 5% Significance Level										
451											
452	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs										
453	KM Mean			720		KM Standard Error of Mean			90.91		
454	KM SD			894.8		95% KM (BCA) UCL			866.4		
455	95% KM (t) UCL			871		95% KM (Percentile Bootstrap) UCL			873.9		
456	95% KM (z) UCL			869.5		95% KM Bootstrap t UCL			901.9		
457	90% KM Chebyshev UCL			992.7		95% KM Chebyshev UCL			1116		
458	97.5% KM Chebyshev UCL			1288		99% KM Chebyshev UCL			1625		
459											
460	Gamma GOF Tests on Detected Observations Only										
461	A-D Test Statistic			0.325		Anderson-Darling GOF Test					
462	5% A-D Critical Value			0.798		Detected data appear Gamma Distributed at 5% Significance Level					
463	K-S Test Statistic			0.0589		Kolmogorov-Smirnov GOF					
464	5% K-S Critical Value			0.0999		Detected data appear Gamma Distributed at 5% Significance Level					
465	Detected data appear Gamma Distributed at 5% Significance Level										
466											
467	Gamma Statistics on Detected Data Only										
468	k hat (MLE)			0.708		k star (bias corrected MLE)			0.691		

	A	B	C	D	E	F	G	H	I	J	K	L
469					Theta hat (MLE)	1145					Theta star (bias corrected MLE)	1173
470					nu hat (MLE)	123.2					nu star (bias corrected)	120.3
471					Mean (detects)	810.9						
472												
473	Gamma ROS Statistics using Imputed Non-Detects											
474	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											
475	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)											
476	For such situations, GROS method may yield incorrect values of UCLs and BTVs											
477	This is especially true when the sample size is small.											
478	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
479					Minimum	0.01					Mean	719.9
480					Maximum	4410					Median	440.5
481					SD	899.4					CV	1.249
482					k hat (MLE)	0.352					k star (bias corrected MLE)	0.348
483					Theta hat (MLE)	2043					Theta star (bias corrected MLE)	2066
484					nu hat (MLE)	69.07					nu star (bias corrected)	68.29
485					Adjusted Level of Significance (β)	0.0476						
486					Approximate Chi Square Value (68.29, α)	50.27					Adjusted Chi Square Value (68.29, β)	50.04
487					95% Gamma Approximate UCL (use when $n \geq 50$)	978					95% Gamma Adjusted UCL (use when $n < 50$)	982.5
488												
489	Estimates of Gamma Parameters using KM Estimates											
490					Mean (KM)	720					SD (KM)	894.8
491					Variance (KM)	800616					SE of Mean (KM)	90.91
492					k hat (KM)	0.647					k star (KM)	0.634
493					nu hat (KM)	126.9					nu star (KM)	124.4
494					theta hat (KM)	1112					theta star (KM)	1135
495					80% gamma percentile (KM)	1186					90% gamma percentile (KM)	1849
496					95% gamma percentile (KM)	2539					99% gamma percentile (KM)	4200
497												
498	Gamma Kaplan-Meier (KM) Statistics											
499					Approximate Chi Square Value (124.36, α)	99.6					Adjusted Chi Square Value (124.36, β)	99.27
500					95% Gamma Approximate KM-UCL (use when $n \geq 50$)	898.9					95% Gamma Adjusted KM-UCL (use when $n < 50$)	901.9
501												
502	Lognormal GOF Test on Detected Observations Only											
503					Shapiro Wilk Approximate Test Statistic	0.915					Shapiro Wilk GOF Test	
504					5% Shapiro Wilk P Value	4.0518E-6					Detected Data Not Lognormal at 5% Significance Level	
505					Lilliefors Test Statistic	0.14					Lilliefors GOF Test	
506					5% Lilliefors Critical Value	0.0951					Detected Data Not Lognormal at 5% Significance Level	
507	Detected Data Not Lognormal at 5% Significance Level											
508												
509	Lognormal ROS Statistics Using Imputed Non-Detects											
510					Mean in Original Scale	721.4					Mean in Log Scale	5.459
511					SD in Original Scale	898.3					SD in Log Scale	1.933
512					95% t UCL (assumes normality of ROS data)	872					95% Percentile Bootstrap UCL	872.9
513					95% BCA Bootstrap UCL	892.6					95% Bootstrap t UCL	895.2
514					95% H-UCL (Log ROS)	2921						
515												
516	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution											
517					KM Mean (logged)	5.136					KM Geo Mean	170
518					KM SD (logged)	2.544					95% Critical H Value (KM-Log)	4.133
519					KM Standard Error of Mean (logged)	0.259					95% H-UCL (KM -Log)	12569
520					KM SD (logged)	2.544					95% Critical H Value (KM-Log)	4.133

A	B	C	D	E	F	G	H	I	J	K	L	
521	KM Standard Error of Mean (logged)				0.259							
522												
523	DL/2 Statistics											
524	DL/2 Normal					DL/2 Log-Transformed						
525	Mean in Original Scale			720.1	Mean in Log Scale			5.204				
526	SD in Original Scale			899.3	SD in Log Scale			2.411				
527	95% t UCL (Assumes normality)			870.9	95% H-Stat UCL			8751				
528	DL/2 is not a recommended method, provided for comparisons and historical reasons											
529												
530	Nonparametric Distribution Free UCL Statistics											
531	Detected Data appear Gamma Distributed at 5% Significance Level											
532												
533	Suggested UCL to Use											
534	95% KM Approximate Gamma UCL			898.9								
535												
536	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
537	Recommendations are based upon data size, data distribution, and skewness.											
538	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
539	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
540												
541	Dieldrin											
542												
543	General Statistics											
544	Total Number of Observations			98	Number of Distinct Observations			62				
545	Number of Detects			60	Number of Non-Detects			38				
546	Number of Distinct Detects			57	Number of Distinct Non-Detects			6				
547	Minimum Detect			2.48	Minimum Non-Detect			0.7				
548	Maximum Detect			310	Maximum Non-Detect			80				
549	Variance Detects			4953	Percent Non-Detects			38.78%				
550	Mean Detects			77.02	SD Detects			70.38				
551	Median Detects			52.2	CV Detects			0.914				
552	Skewness Detects			1.461	Kurtosis Detects			1.683				
553	Mean of Logged Detects			3.913	SD of Logged Detects			1.009				
554												
555	Normal GOF Test on Detects Only											
556	Shapiro Wilk Test Statistic			0.832	Normal GOF Test on Detected Observations Only							
557	5% Shapiro Wilk P Value			5.3347E-9	Detected Data Not Normal at 5% Significance Level							
558	Lilliefors Test Statistic			0.176	Lilliefors GOF Test							
559	5% Lilliefors Critical Value			0.114	Detected Data Not Normal at 5% Significance Level							
560	Detected Data Not Normal at 5% Significance Level											
561												
562	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
563	KM Mean			48.91	KM Standard Error of Mean			6.686				
564	KM SD			65.38	95% KM (BCA) UCL			59.85				
565	95% KM (t) UCL			60.02	95% KM (Percentile Bootstrap) UCL			60.23				
566	95% KM (z) UCL			59.91	95% KM Bootstrap t UCL			62.36				
567	90% KM Chebyshev UCL			68.97	95% KM Chebyshev UCL			78.06				
568	97.5% KM Chebyshev UCL			90.67	99% KM Chebyshev UCL			115.4				
569												
570	Gamma GOF Tests on Detected Observations Only											
571	A-D Test Statistic			0.427	Anderson-Darling GOF Test							
572	5% A-D Critical Value			0.773	Detected data appear Gamma Distributed at 5% Significance Level							

	A	B	C	D	E	F	G	H	I	J	K	L	
573	K-S Test Statistic				0.0703	Kolmogorov-Smirnov GOF							
574	5% K-S Critical Value				0.117	Detected data appear Gamma Distributed at 5% Significance Level							
575	Detected data appear Gamma Distributed at 5% Significance Level												
576													
577	Gamma Statistics on Detected Data Only												
578	k hat (MLE)				1.302	k star (bias corrected MLE)				1.248			
579	Theta hat (MLE)				59.14	Theta star (bias corrected MLE)				61.7			
580	nu hat (MLE)				156.3	nu star (bias corrected)				149.8			
581	Mean (detects)				77.02								
582													
583	Gamma ROS Statistics using Imputed Non-Detects												
584	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs												
585	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)												
586	For such situations, GROS method may yield incorrect values of UCLs and BTVs												
587	This is especially true when the sample size is small.												
588	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates												
589	Minimum				0.01	Mean				48.07			
590	Maximum				310	Median				19.1			
591	SD				66.13	CV				1.376			
592	k hat (MLE)				0.249	k star (bias corrected MLE)				0.248			
593	Theta hat (MLE)				193.4	Theta star (bias corrected MLE)				194			
594	nu hat (MLE)				48.72	nu star (bias corrected)				48.56			
595	Adjusted Level of Significance (β)				0.0476								
596	Approximate Chi Square Value (48.56, α)				33.56	Adjusted Chi Square Value (48.56, β)				33.38			
597	95% Gamma Approximate UCL (use when $n \geq 50$)				69.55	95% Gamma Adjusted UCL (use when $n < 50$)				69.94			
598													
599	Estimates of Gamma Parameters using KM Estimates												
600	Mean (KM)				48.91	SD (KM)				65.38			
601	Variance (KM)				4274	SE of Mean (KM)				6.686			
602	k hat (KM)				0.56	k star (KM)				0.549			
603	nu hat (KM)				109.7	nu star (KM)				107.7			
604	theta hat (KM)				87.38	theta star (KM)				89.02			
605	80% gamma percentile (KM)				80.57	90% gamma percentile (KM)				129.7			
606	95% gamma percentile (KM)				181.7	99% gamma percentile (KM)				308.3			
607													
608	Gamma Kaplan-Meier (KM) Statistics												
609	Approximate Chi Square Value (107.69, α)				84.74	Adjusted Chi Square Value (107.69, β)				84.44			
610	95% Gamma Approximate KM-UCL (use when $n \geq 50$)				62.16	95% Gamma Adjusted KM-UCL (use when $n < 50$)				62.38			
611													
612	Lognormal GOF Test on Detected Observations Only												
613	Shapiro Wilk Approximate Test Statistic				0.973	Shapiro Wilk GOF Test							
614	5% Shapiro Wilk P Value				0.39	Detected Data appear Lognormal at 5% Significance Level							
615	Lilliefors Test Statistic				0.106	Lilliefors GOF Test							
616	5% Lilliefors Critical Value				0.114	Detected Data appear Lognormal at 5% Significance Level							
617	Detected Data appear Lognormal at 5% Significance Level												
618													
619	Lognormal ROS Statistics Using Imputed Non-Detects												
620	Mean in Original Scale				50.2	Mean in Log Scale				3.097			
621	SD in Original Scale				64.62	SD in Log Scale				1.37			
622	95% t UCL (assumes normality of ROS data)				61.04	95% Percentile Bootstrap UCL				61.06			
623	95% BCA Bootstrap UCL				62.94	95% Bootstrap t UCL				62.83			
624	95% H-UCL (Log ROS)				81.81								

A	B	C	D	E	F	G	H	I	J	K	L	
625												
626	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution											
627	KM Mean (logged)			2.486	KM Geo Mean			12.02				
628	KM SD (logged)			2.109	95% Critical H Value (KM-Log)			3.554				
629	KM Standard Error of Mean (logged)			0.227	95% H-UCL (KM -Log)			238				
630	KM SD (logged)			2.109	95% Critical H Value (KM-Log)			3.554				
631	KM Standard Error of Mean (logged)			0.227								
632												
633	DL/2 Statistics											
634	DL/2 Normal					DL/2 Log-Transformed						
635	Mean in Original Scale			50.72	Mean in Log Scale			2.847				
636	SD in Original Scale			64.61	SD in Log Scale			1.857				
637	95% t UCL (Assumes normality)			61.56	95% H-Stat UCL			177.8				
638	DL/2 is not a recommended method, provided for comparisons and historical reasons											
639												
640	Nonparametric Distribution Free UCL Statistics											
641	Detected Data appear Gamma Distributed at 5% Significance Level											
642												
643	Suggested UCL to Use											
644	95% KM Approximate Gamma UCL			62.16	95% GROS Approximate Gamma UCL			69.55				
645												
646	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
647	Recommendations are based upon data size, data distribution, and skewness.											
648	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
649	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
650												
651	Endosulfan											
652												
653	General Statistics											
654	Total Number of Observations			98	Number of Distinct Observations			10				
655	Number of Detects			3	Number of Non-Detects			95				
656	Number of Distinct Detects			2	Number of Distinct Non-Detects			8				
657	Minimum Detect			6.8	Minimum Non-Detect			1				
658	Maximum Detect			7.3	Maximum Non-Detect			80				
659	Variance Detects			0.0833	Percent Non-Detects			96.94%				
660	Mean Detects			6.967	SD Detects			0.289				
661	Median Detects			6.8	CV Detects			0.0414				
662	Skewness Detects			1.732	Kurtosis Detects			N/A				
663	Mean of Logged Detects			1.941	SD of Logged Detects			0.041				
664												
665	Warning: Data set has only 3 Detected Values.											
666	This is not enough to compute meaningful or reliable statistics and estimates.											
667												
668												
669	Normal GOF Test on Detects Only											
670	Shapiro Wilk Test Statistic			0.75	Shapiro Wilk GOF Test							
671	5% Shapiro Wilk Critical Value			0.767	Detected Data Not Normal at 5% Significance Level							
672	Lilliefors Test Statistic			0.385	Lilliefors GOF Test							
673	5% Lilliefors Critical Value			0.425	Detected Data appear Normal at 5% Significance Level							
674	Detected Data appear Approximate Normal at 5% Significance Level											
675												
676	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											

A	B	C	D	E	F	G	H	I	J	K	L
677				KM Mean	1.778					KM Standard Error of Mean	0.514
678				KM SD	2.011					95% KM (BCA) UCL	N/A
679				95% KM (t) UCL	2.631					95% KM (Percentile Bootstrap) UCL	N/A
680				95% KM (z) UCL	2.623					95% KM Bootstrap t UCL	N/A
681				90% KM Chebyshev UCL	3.319					95% KM Chebyshev UCL	4.017
682				97.5% KM Chebyshev UCL	4.986					99% KM Chebyshev UCL	6.889
683											
684	Gamma GOF Tests on Detected Observations Only										
685	Not Enough Data to Perform GOF Test										
686											
687	Gamma Statistics on Detected Data Only										
688				k hat (MLE)	887.2					k star (bias corrected MLE)	N/A
689				Theta hat (MLE)	0.00785					Theta star (bias corrected MLE)	N/A
690				nu hat (MLE)	5323					nu star (bias corrected)	N/A
691				Mean (detects)	6.967						
692											
693	Gamma ROS Statistics using Imputed Non-Detects										
694	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs										
695	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)										
696	For such situations, GROS method may yield incorrect values of UCLs and BTVs										
697	This is especially true when the sample size is small.										
698	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates										
699				Minimum	3.74					Mean	5.519
700				Maximum	7.35					Median	5.491
701				SD	0.807					CV	0.146
702				k hat (MLE)	46.68					k star (bias corrected MLE)	45.26
703				Theta hat (MLE)	0.118					Theta star (bias corrected MLE)	0.122
704				nu hat (MLE)	9149					nu star (bias corrected)	8870
705				Adjusted Level of Significance (β)	0.0476						
706				Approximate Chi Square Value (N/A, α)	8652					Adjusted Chi Square Value (N/A, β)	8649
707				95% Gamma Approximate UCL (use when $n \geq 50$)	5.658					95% Gamma Adjusted UCL (use when $n < 50$)	N/A
708											
709	Estimates of Gamma Parameters using KM Estimates										
710				Mean (KM)	1.778					SD (KM)	2.011
711				Variance (KM)	4.045					SE of Mean (KM)	0.514
712				k hat (KM)	0.782					k star (KM)	0.765
713				nu hat (KM)	153.2					nu star (KM)	149.9
714				theta hat (KM)	2.275					theta star (KM)	2.326
715				80% gamma percentile (KM)	2.913					90% gamma percentile (KM)	4.371
716				95% gamma percentile (KM)	5.863					99% gamma percentile (KM)	9.399
717											
718	Gamma Kaplan-Meier (KM) Statistics										
719				Approximate Chi Square Value (149.86, α)	122.6					Adjusted Chi Square Value (149.86, β)	122.2
720				95% Gamma Approximate KM-UCL (use when $n \geq 50$)	2.174					95% Gamma Adjusted KM-UCL (use when $n < 50$)	2.181
721											
722	Lognormal GOF Test on Detected Observations Only										
723				Shapiro Wilk Test Statistic	0.75					Shapiro Wilk GOF Test	
724				5% Shapiro Wilk Critical Value	0.767					Detected Data Not Lognormal at 5% Significance Level	
725				Lilliefors Test Statistic	0.385					Lilliefors GOF Test	
726				5% Lilliefors Critical Value	0.425					Detected Data appear Lognormal at 5% Significance Level	
727	Detected Data appear Approximate Lognormal at 5% Significance Level										
728											

	A	B	C	D	E	F	G	H	I	J	K	L
729	Lognormal ROS Statistics Using Imputed Non-Detects											
730	Mean in Original Scale			5.684		Mean in Log Scale			1.731			
731	SD in Original Scale			0.677		SD in Log Scale			0.118			
732	95% t UCL (assumes normality of ROS data)			5.797		95% Percentile Bootstrap UCL			5.796			
733	95% BCA Bootstrap UCL			5.791		95% Bootstrap t UCL			5.801			
734	95% H-UCL (Log ROS)			5.8								
735												
736	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution											
737	KM Mean (logged)			0.253		KM Geo Mean			1.288			
738	KM SD (logged)			0.654		95% Critical H Value (KM-Log)			1.972			
739	KM Standard Error of Mean (logged)			0.167		95% H-UCL (KM -Log)			1.818			
740	KM SD (logged)			0.654		95% Critical H Value (KM-Log)			1.972			
741	KM Standard Error of Mean (logged)			0.167								
742												
743	DL/2 Statistics											
744	DL/2 Normal					DL/2 Log-Transformed						
745	Mean in Original Scale			7.933		Mean in Log Scale			1.492			
746	SD in Original Scale			9.362		SD in Log Scale			1.175			
747	95% t UCL (Assumes normality)			9.503		95% H-Stat UCL			11.84			
748	DL/2 is not a recommended method, provided for comparisons and historical reasons											
749												
750	Nonparametric Distribution Free UCL Statistics											
751	Detected Data appear Approximate Normal Distributed at 5% Significance Level											
752												
753	Suggested UCL to Use											
754	95% KM (t) UCL			2.631								
755												
756	When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test											
757	When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL											
758												
759	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
760	Recommendations are based upon data size, data distribution, and skewness.											
761	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
762	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
763												
764	Endrin											
765												
766	General Statistics											
767	Total Number of Observations			98		Number of Distinct Observations			76			
768	Number of Detects			71		Number of Non-Detects			27			
769	Number of Distinct Detects			69		Number of Distinct Non-Detects			7			
770	Minimum Detect			3.56		Minimum Non-Detect			0.26			
771	Maximum Detect			720		Maximum Non-Detect			40			
772	Variance Detects			31096		Percent Non-Detects			27.55%			
773	Mean Detects			204.3		SD Detects			176.3			
774	Median Detects			162		CV Detects			0.863			
775	Skewness Detects			1.095		Kurtosis Detects			0.725			
776	Mean of Logged Detects			4.793		SD of Logged Detects			1.23			
777												
778	Normal GOF Test on Detects Only											
779	Shapiro Wilk Test Statistic			0.884		Normal GOF Test on Detected Observations Only						
780	5% Shapiro Wilk P Value			3.1589E-7		Detected Data Not Normal at 5% Significance Level						

A	B	C	D	E	G	H	I	J	K	L	
781	Lilliefors Test Statistic			0.132	Lilliefors GOF Test						
782	5% Lilliefors Critical Value			0.105	Detected Data Not Normal at 5% Significance Level						
783	Detected Data Not Normal at 5% Significance Level										
784											
785	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs										
786	KM Mean			148.2	KM Standard Error of Mean			17.76			
787	KM SD			174.6	95% KM (BCA) UCL			180.1			
788	95% KM (t) UCL			177.7	95% KM (Percentile Bootstrap) UCL			177.8			
789	95% KM (z) UCL			177.4	95% KM Bootstrap t UCL			180.6			
790	90% KM Chebyshev UCL			201.5	95% KM Chebyshev UCL			225.6			
791	97.5% KM Chebyshev UCL			259.1	99% KM Chebyshev UCL			324.9			
792											
793	Gamma GOF Tests on Detected Observations Only										
794	A-D Test Statistic			0.465	Anderson-Darling GOF Test						
795	5% A-D Critical Value			0.779	Detected data appear Gamma Distributed at 5% Significance Level						
796	K-S Test Statistic			0.0947	Kolmogorov-Smirnov GOF						
797	5% K-S Critical Value			0.109	Detected data appear Gamma Distributed at 5% Significance Level						
798	Detected data appear Gamma Distributed at 5% Significance Level										
799											
800	Gamma Statistics on Detected Data Only										
801	k hat (MLE)			1.086	k star (bias corrected MLE)			1.05			
802	Theta hat (MLE)			188.1	Theta star (bias corrected MLE)			194.6			
803	nu hat (MLE)			154.2	nu star (bias corrected)			149			
804	Mean (detects)			204.3							
805											
806	Gamma ROS Statistics using Imputed Non-Detects										
807	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs										
808	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)										
809	For such situations, GROS method may yield incorrect values of UCLs and BTVs										
810	This is especially true when the sample size is small.										
811	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates										
812	Minimum			0.01	Mean			148.1			
813	Maximum			720	Median			87.15			
814	SD			175.5	CV			1.185			
815	k hat (MLE)			0.272	k star (bias corrected MLE)			0.27			
816	Theta hat (MLE)			545.3	Theta star (bias corrected MLE)			548.4			
817	nu hat (MLE)			53.24	nu star (bias corrected)			52.95			
818	Adjusted Level of Significance (β)			0.0476							
819	Approximate Chi Square Value (52.95, α)			37.23	Adjusted Chi Square Value (52.95, β)			37.03			
820	95% Gamma Approximate UCL (use when $n \geq 50$)			210.7	95% Gamma Adjusted UCL (use when $n < 50$)			211.8			
821											
822	Estimates of Gamma Parameters using KM Estimates										
823	Mean (KM)			148.2	SD (KM)			174.6			
824	Variance (KM)			30477	SE of Mean (KM)			17.76			
825	k hat (KM)			0.721	k star (KM)			0.706			
826	nu hat (KM)			141.3	nu star (KM)			138.3			
827	theta hat (KM)			205.6	theta star (KM)			210.1			
828	80% gamma percentile (KM)			243.6	90% gamma percentile (KM)			371.4			
829	95% gamma percentile (KM)			503.1	99% gamma percentile (KM)			817.2			
830											
831	Gamma Kaplan-Meier (KM) Statistics										
832	Approximate Chi Square Value (138.29, α)			112.1	Adjusted Chi Square Value (138.29, β)			111.8			

A	B	C	D	E	F	G	H	I	J	K	L
833	95% Gamma Approximate KM-UCL (use when n>=50)				182.8	95% Gamma Adjusted KM-UCL (use when n<50)				183.4	
834											
835	Lognormal GOF Test on Detected Observations Only										
836	Shapiro Wilk Approximate Test Statistic				0.92	Shapiro Wilk GOF Test					
837	5% Shapiro Wilk P Value				1.2181E-4	Detected Data Not Lognormal at 5% Significance Level					
838	Lilliefors Test Statistic				0.16	Lilliefors GOF Test					
839	5% Lilliefors Critical Value				0.105	Detected Data Not Lognormal at 5% Significance Level					
840	Detected Data Not Lognormal at 5% Significance Level										
841											
842	Lognormal ROS Statistics Using Imputed Non-Detects										
843	Mean in Original Scale				150.9	Mean in Log Scale				4.084	
844	SD in Original Scale				173.2	SD in Log Scale				1.587	
845	95% t UCL (assumes normality of ROS data)				180	95% Percentile Bootstrap UCL				180.7	
846	95% BCA Bootstrap UCL				181.5	95% Bootstrap t UCL				184.3	
847	95% H-UCL (Log ROS)				333.5						
848											
849	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution										
850	KM Mean (logged)				3.156	KM Geo Mean				23.48	
851	KM SD (logged)				2.883	95% Critical H Value (KM-Log)				4.595	
852	KM Standard Error of Mean (logged)				0.296	95% H-UCL (KM -Log)				5742	
853	KM SD (logged)				2.883	95% Critical H Value (KM-Log)				4.595	
854	KM Standard Error of Mean (logged)				0.296						
855											
856	DL/2 Statistics										
857	DL/2 Normal					DL/2 Log-Transformed					
858	Mean in Original Scale				148.8	Mean in Log Scale				3.548	
859	SD in Original Scale				175	SD in Log Scale				2.368	
860	95% t UCL (Assumes normality)				178.1	95% H-Stat UCL				1463	
861	DL/2 is not a recommended method, provided for comparisons and historical reasons										
862											
863	Nonparametric Distribution Free UCL Statistics										
864	Detected Data appear Gamma Distributed at 5% Significance Level										
865											
866	Suggested UCL to Use										
867	95% KM Approximate Gamma UCL				182.8	95% GROS Approximate Gamma UCL				210.7	
868											
869	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.										
870	Recommendations are based upon data size, data distribution, and skewness.										
871	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).										
872	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.										
873											
874	Heptachlor Epoxide										
875											
876	General Statistics										
877	Total Number of Observations				98	Number of Distinct Observations				9	
878	Number of Detects				1	Number of Non-Detects				97	
879	Number of Distinct Detects				1	Number of Distinct Non-Detects				8	
880											
881	Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!										
882	It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).										
883											
884	The data set for variable Heptachlor Epoxide was not processed!										

	A	B	C	D	E	F	G	H	I	J	K	L		
885														
886														
887	Methoxychlor													
888														
889	General Statistics													
890	Total Number of Observations				98					Number of Distinct Observations		8		
891	Number of Detects				1					Number of Non-Detects		97		
892	Number of Distinct Detects				1					Number of Distinct Non-Detects		7		
893														
894	Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!													
895	It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).													
896														
897	The data set for variable Methoxychlor was not processed!													
898														
899														
900	Toxaphene													
901														
902	General Statistics													
903	Total Number of Observations				98					Number of Distinct Observations		76		
904	Number of Detects				74					Number of Non-Detects		24		
905	Number of Distinct Detects				72					Number of Distinct Non-Detects		4		
906	Minimum Detect				46					Minimum Non-Detect		6.7		
907	Maximum Detect				7300					Maximum Non-Detect		300		
908	Variance Detects				2359585					Percent Non-Detects		24.49%		
909	Mean Detects				2137					SD Detects		1536		
910	Median Detects				1965					CV Detects		0.719		
911	Skewness Detects				0.901					Kurtosis Detects		0.965		
912	Mean of Logged Detects				7.286					SD of Logged Detects		1.05		
913														
914	Normal GOF Test on Detects Only													
915	Shapiro Wilk Test Statistic				0.93								Normal GOF Test on Detected Observations Only	
916	5% Shapiro Wilk P Value				5.2012E-4								Detected Data Not Normal at 5% Significance Level	
917	Lilliefors Test Statistic				0.0868								Lilliefors GOF Test	
918	5% Lilliefors Critical Value				0.103								Detected Data appear Normal at 5% Significance Level	
919	Detected Data appear Approximate Normal at 5% Significance Level													
920														
921	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs													
922	KM Mean			1617					KM Standard Error of Mean			163.7		
923	KM SD			1609					95% KM (BCA) UCL			1898		
924	95% KM (t) UCL			1889					95% KM (Percentile Bootstrap) UCL			1884		
925	95% KM (z) UCL			1887					95% KM Bootstrap t UCL			1900		
926	90% KM Chebyshev UCL			2108					95% KM Chebyshev UCL			2331		
927	97.5% KM Chebyshev UCL			2640					99% KM Chebyshev UCL			3246		
928														
929	Gamma GOF Tests on Detected Observations Only													
930	A-D Test Statistic			1.133								Anderson-Darling GOF Test		
931	5% A-D Critical Value			0.771								Detected Data Not Gamma Distributed at 5% Significance Level		
932	K-S Test Statistic			0.0973								Kolmogorov-Smirnov GOF		
933	5% K-S Critical Value			0.106								Detected data appear Gamma Distributed at 5% Significance Level		
934	Detected data follow Appr. Gamma Distribution at 5% Significance Level													
935														
936	Gamma Statistics on Detected Data Only													

A	B	C	D	E	F	G	H	I	J	K	L
937				k hat (MLE)	1.455				k star (bias corrected MLE)		1.405
938				Theta hat (MLE)	1468				Theta star (bias corrected MLE)		1521
939				nu hat (MLE)	215.3				nu star (bias corrected)		207.9
940				Mean (detects)	2137						
941											
942				Gamma ROS Statistics using Imputed Non-Detects							
943				GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs							
944				GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)							
945				For such situations, GROS method may yield incorrect values of UCLs and BTVs							
946				This is especially true when the sample size is small.							
947				For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates							
948				Minimum	0.01				Mean		1642
949				Maximum	7300				Median		1375
950				SD	1595				CV		0.971
951				k hat (MLE)	0.412				k star (bias corrected MLE)		0.407
952				Theta hat (MLE)	3981				Theta star (bias corrected MLE)		4038
953				nu hat (MLE)	80.83				nu star (bias corrected)		79.68
954				Adjusted Level of Significance (β)	0.0476						
955				Approximate Chi Square Value (79.68, α)	60.12				Adjusted Chi Square Value (79.68, β)		59.86
956				95% Gamma Approximate UCL (use when $n \geq 50$)	2176				95% Gamma Adjusted UCL (use when $n < 50$)		2185
957											
958				Estimates of Gamma Parameters using KM Estimates							
959				Mean (KM)	1617				SD (KM)		1609
960				Variance (KM)	2589213				SE of Mean (KM)		163.7
961				k hat (KM)	1.01				k star (KM)		0.986
962				nu hat (KM)	198				nu star (KM)		193.3
963				theta hat (KM)	1601				theta star (KM)		1640
964				80% gamma percentile (KM)	2606				90% gamma percentile (KM)		3737
965				95% gamma percentile (KM)	4869				99% gamma percentile (KM)		7501
966											
967				Gamma Kaplan-Meier (KM) Statistics							
968				Approximate Chi Square Value (193.31, α)	162.1				Adjusted Chi Square Value (193.31, β)		161.7
969				95% Gamma Approximate KM-UCL (use when $n \geq 50$)	1928				95% Gamma Adjusted KM-UCL (use when $n < 50$)		1933
970											
971				Lognormal GOF Test on Detected Observations Only							
972				Shapiro Wilk Approximate Test Statistic	0.896				Shapiro Wilk GOF Test		
973				5% Shapiro Wilk P Value	1.1756E-6				Detected Data Not Lognormal at 5% Significance Level		
974				Lilliefors Test Statistic	0.154				Lilliefors GOF Test		
975				5% Lilliefors Critical Value	0.103				Detected Data Not Lognormal at 5% Significance Level		
976				Detected Data Not Lognormal at 5% Significance Level							
977											
978				Lognormal ROS Statistics Using Imputed Non-Detects							
979				Mean in Original Scale	1661				Mean in Log Scale		6.765
980				SD in Original Scale	1576				SD in Log Scale		1.316
981				95% t UCL (assumes normality of ROS data)	1925				95% Percentile Bootstrap UCL		1933
982				95% BCA Bootstrap UCL	1960				95% Bootstrap t UCL		1932
983				95% H-UCL (Log ROS)	2909						
984											
985				Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution							
986				KM Mean (logged)	6.011				KM Geo Mean		407.8
987				KM SD (logged)	2.443				95% Critical H Value (KM-Log)		3.996
988				KM Standard Error of Mean (logged)	0.251				95% H-UCL (KM -Log)		21707

A	B	C	D	E	F	G	H	I	J	K	L
989	KM SD (logged)				2.443	95% Critical H Value (KM-Log)				3.996	
990	KM Standard Error of Mean (logged)				0.251						
991											
992	DL/2 Statistics										
993	DL/2 Normal					DL/2 Log-Transformed					
994	Mean in Original Scale				1622	Mean in Log Scale				6.123	
995	SD in Original Scale				1613	SD in Log Scale				2.344	
996	95% t UCL (Assumes normality)				1893	95% H-Stat UCL				17837	
997	DL/2 is not a recommended method, provided for comparisons and historical reasons										
998											
999	Nonparametric Distribution Free UCL Statistics										
1000	Detected Data appear Approximate Normal Distributed at 5% Significance Level										
1001											
1002	Suggested UCL to Use										
1003	95% KM (t) UCL				1889						
1004											
1005	When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test										
1006	When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL										
1007											
1008	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.										
1009	Recommendations are based upon data size, data distribution, and skewness.										
1010	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).										
1011	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.										
1012											
1013	TPHd										
1014											
1015	General Statistics										
1016	Total Number of Observations				28	Number of Distinct Observations				10	
1017	Number of Detects				7	Number of Non-Detects				21	
1018	Number of Distinct Detects				7	Number of Distinct Non-Detects				3	
1019	Minimum Detect				2.57	Minimum Non-Detect				1.5	
1020	Maximum Detect				50	Maximum Non-Detect				10	
1021	Variance Detects				302.6	Percent Non-Detects				75%	
1022	Mean Detects				16.84	SD Detects				17.39	
1023	Median Detects				13	CV Detects				1.033	
1024	Skewness Detects				1.359	Kurtosis Detects				1.402	
1025	Mean of Logged Detects				2.3	SD of Logged Detects				1.163	
1026											
1027	Normal GOF Test on Detects Only										
1028	Shapiro Wilk Test Statistic				0.843	Shapiro Wilk GOF Test					
1029	5% Shapiro Wilk Critical Value				0.803	Detected Data appear Normal at 5% Significance Level					
1030	Lilliefors Test Statistic				0.234	Lilliefors GOF Test					
1031	5% Lilliefors Critical Value				0.304	Detected Data appear Normal at 5% Significance Level					
1032	Detected Data appear Normal at 5% Significance Level										
1033											
1034	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs										
1035	KM Mean				5.473	KM Standard Error of Mean				2.128	
1036	KM SD				10.4	95% KM (BCA) UCL				9.314	
1037	95% KM (t) UCL				9.097	95% KM (Percentile Bootstrap) UCL				9.036	
1038	95% KM (z) UCL				8.972	95% KM Bootstrap t UCL				13.54	
1039	90% KM Chebyshev UCL				11.86	95% KM Chebyshev UCL				14.75	
1040	97.5% KM Chebyshev UCL				18.76	99% KM Chebyshev UCL				26.64	

	A	B	C	D	E	F	G	H	I	J	K	L
1041												
1042	Gamma GOF Tests on Detected Observations Only											
1043	A-D Test Statistic				0.31		Anderson-Darling GOF Test					
1044	5% A-D Critical Value				0.726		Detected data appear Gamma Distributed at 5% Significance Level					
1045	K-S Test Statistic				0.212		Kolmogorov-Smirnov GOF					
1046	5% K-S Critical Value				0.319		Detected data appear Gamma Distributed at 5% Significance Level					
1047	Detected data appear Gamma Distributed at 5% Significance Level											
1048												
1049	Gamma Statistics on Detected Data Only											
1050	k hat (MLE)				1.091		k star (bias corrected MLE)				0.718	
1051	Theta hat (MLE)				15.44		Theta star (bias corrected MLE)				23.44	
1052	nu hat (MLE)				15.27		nu star (bias corrected)				10.06	
1053	Mean (detects)				16.84							
1054												
1055	Gamma ROS Statistics using Imputed Non-Detects											
1056	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											
1057	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)											
1058	For such situations, GROS method may yield incorrect values of UCLs and BTVs											
1059	This is especially true when the sample size is small.											
1060	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
1061	Minimum				0.01		Mean				4.31	
1062	Maximum				50		Median				0.01	
1063	SD				11.03		CV				2.56	
1064	k hat (MLE)				0.181		k star (bias corrected MLE)				0.185	
1065	Theta hat (MLE)				23.87		Theta star (bias corrected MLE)				23.3	
1066	nu hat (MLE)				10.11		nu star (bias corrected)				10.36	
1067	Adjusted Level of Significance (β)				0.0404							
1068	Approximate Chi Square Value (10.36, α)				4.168		Adjusted Chi Square Value (10.36, β)				3.927	
1069	95% Gamma Approximate UCL (use when $n \geq 50$)				10.71		95% Gamma Adjusted UCL (use when $n < 50$)				11.37	
1070												
1071	Estimates of Gamma Parameters using KM Estimates											
1072	Mean (KM)				5.473		SD (KM)				10.4	
1073	Variance (KM)				108.2		SE of Mean (KM)				2.128	
1074	k hat (KM)				0.277		k star (KM)				0.271	
1075	nu hat (KM)				15.5		nu star (KM)				15.17	
1076	theta hat (KM)				19.77		theta star (KM)				20.2	
1077	80% gamma percentile (KM)				8.162		90% gamma percentile (KM)				16.32	
1078	95% gamma percentile (KM)				25.85		99% gamma percentile (KM)				50.95	
1079												
1080	Gamma Kaplan-Meier (KM) Statistics											
1081	Approximate Chi Square Value (15.17, α)				7.383		Adjusted Chi Square Value (15.17, β)				7.048	
1082	95% Gamma Approximate KM-UCL (use when $n \geq 50$)				11.25		95% Gamma Adjusted KM-UCL (use when $n < 50$)				11.78	
1083												
1084	Lognormal GOF Test on Detected Observations Only											
1085	Shapiro Wilk Test Statistic				0.923		Shapiro Wilk GOF Test					
1086	5% Shapiro Wilk Critical Value				0.803		Detected Data appear Lognormal at 5% Significance Level					
1087	Lilliefors Test Statistic				0.181		Lilliefors GOF Test					
1088	5% Lilliefors Critical Value				0.304		Detected Data appear Lognormal at 5% Significance Level					
1089	Detected Data appear Lognormal at 5% Significance Level											
1090												
1091	Lognormal ROS Statistics Using Imputed Non-Detects											
1092	Mean in Original Scale				4.658		Mean in Log Scale				-0.481	

A	B	C	D	E	F	G	H	I	J	K	L
1093	SD in Original Scale				10.91	SD in Log Scale				2.136	
1094	95% t UCL (assumes normality of ROS data)				8.171	95% Percentile Bootstrap UCL				8.244	
1095	95% BCA Bootstrap UCL				9.518	95% Bootstrap t UCL				13.93	
1096	95% H-UCL (Log ROS)				32.68						
1097											
1098	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution										
1099	KM Mean (logged)				0.937	KM Geo Mean				2.552	
1100	KM SD (logged)				0.976	95% Critical H Value (KM-Log)				2.427	
1101	KM Standard Error of Mean (logged)				0.206	95% H-UCL (KM -Log)				6.483	
1102	KM SD (logged)				0.976	95% Critical H Value (KM-Log)				2.427	
1103	KM Standard Error of Mean (logged)				0.206						
1104											
1105	DL/2 Statistics										
1106	DL/2 Normal					DL/2 Log-Transformed					
1107	Mean in Original Scale				6.416	Mean in Log Scale				1.164	
1108	SD in Original Scale				10.38	SD in Log Scale				1.118	
1109	95% t UCL (Assumes normality)				9.758	95% H-Stat UCL				10.48	
1110	DL/2 is not a recommended method, provided for comparisons and historical reasons										
1111											
1112	Nonparametric Distribution Free UCL Statistics										
1113	Detected Data appear Normal Distributed at 5% Significance Level										
1114											
1115	Suggested UCL to Use										
1116	95% KM (t) UCL				9.097						
1117											
1118	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.										
1119	Recommendations are based upon data size, data distribution, and skewness.										
1120	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).										
1121	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.										
1122											
1123	TPHo										
1124											
1125	General Statistics										
1126	Total Number of Observations				28	Number of Distinct Observations				9	
1127	Number of Detects				7	Number of Non-Detects				21	
1128	Number of Distinct Detects				7	Number of Distinct Non-Detects				3	
1129	Minimum Detect				8.6	Minimum Non-Detect				1.5	
1130	Maximum Detect				280	Maximum Non-Detect				100	
1131	Variance Detects				8903	Percent Non-Detects				75%	
1132	Mean Detects				83.09	SD Detects				94.36	
1133	Median Detects				57	CV Detects				1.136	
1134	Skewness Detects				1.863	Kurtosis Detects				3.823	
1135	Mean of Logged Detects				3.855	SD of Logged Detects				1.201	
1136											
1137	Normal GOF Test on Detects Only										
1138	Shapiro Wilk Test Statistic				0.781	Shapiro Wilk GOF Test					
1139	5% Shapiro Wilk Critical Value				0.803	Detected Data Not Normal at 5% Significance Level					
1140	Lilliefors Test Statistic				0.286	Lilliefors GOF Test					
1141	5% Lilliefors Critical Value				0.304	Detected Data appear Normal at 5% Significance Level					
1142	Detected Data appear Approximate Normal at 5% Significance Level										
1143											
1144	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs										

	A	B	C	D	E	F	G	H	I	J	K	L
1145					KM Mean	30.99				KM Standard Error of Mean		12.25
1146					KM SD	55.28				95% KM (BCA) UCL		53.64
1147					95% KM (t) UCL	51.85				95% KM (Percentile Bootstrap) UCL		51.43
1148					95% KM (z) UCL	51.13				95% KM Bootstrap t UCL		62.74
1149					90% KM Chebyshev UCL	67.73				95% KM Chebyshev UCL		84.37
1150					97.5% KM Chebyshev UCL	107.5				99% KM Chebyshev UCL		152.8
1151												
1152	Gamma GOF Tests on Detected Observations Only											
1153					A-D Test Statistic	0.288				Anderson-Darling GOF Test		
1154					5% A-D Critical Value	0.727				Detected data appear Gamma Distributed at 5% Significance Level		
1155					K-S Test Statistic	0.21				Kolmogorov-Smirnov GOF		
1156					5% K-S Critical Value	0.319				Detected data appear Gamma Distributed at 5% Significance Level		
1157	Detected data appear Gamma Distributed at 5% Significance Level											
1158												
1159	Gamma Statistics on Detected Data Only											
1160					k hat (MLE)	1.02				k star (bias corrected MLE)		0.678
1161					Theta hat (MLE)	81.44				Theta star (bias corrected MLE)		122.5
1162					nu hat (MLE)	14.28				nu star (bias corrected)		9.495
1163					Mean (detects)	83.09						
1164												
1165	Gamma ROS Statistics using Imputed Non-Detects											
1166	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											
1167	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)											
1168	For such situations, GROS method may yield incorrect values of UCLs and BTVs											
1169	This is especially true when the sample size is small.											
1170	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
1171					Minimum	0.01				Mean		26.88
1172					Maximum	280				Median		0.01
1173					SD	57.7				CV		2.147
1174					k hat (MLE)	0.179				k star (bias corrected MLE)		0.184
1175					Theta hat (MLE)	150				Theta star (bias corrected MLE)		146.2
1176					nu hat (MLE)	10.04				nu star (bias corrected)		10.29
1177					Adjusted Level of Significance (β)	0.0404						
1178					Approximate Chi Square Value (10.29, α)	4.127				Adjusted Chi Square Value (10.29, β)		3.887
1179					95% Gamma Approximate UCL (use when $n \geq 50$)	67.05				95% Gamma Adjusted UCL (use when $n < 50$)		71.17
1180												
1181	Estimates of Gamma Parameters using KM Estimates											
1182					Mean (KM)	30.99				SD (KM)		55.28
1183					Variance (KM)	3056				SE of Mean (KM)		12.25
1184					k hat (KM)	0.314				k star (KM)		0.304
1185					nu hat (KM)	17.6				nu star (KM)		17.05
1186					theta hat (KM)	98.61				theta star (KM)		101.8
1187					80% gamma percentile (KM)	47.69				90% gamma percentile (KM)		91.23
1188					95% gamma percentile (KM)	141.1				99% gamma percentile (KM)		270.4
1189												
1190	Gamma Kaplan-Meier (KM) Statistics											
1191					Approximate Chi Square Value (17.05, α)	8.704				Adjusted Chi Square Value (17.05, β)		8.336
1192					95% Gamma Approximate KM-UCL (use when $n \geq 50$)	60.68				95% Gamma Adjusted KM-UCL (use when $n < 50$)		63.36
1193												
1194	Lognormal GOF Test on Detected Observations Only											
1195					Shapiro Wilk Test Statistic	0.963				Shapiro Wilk GOF Test		
1196					5% Shapiro Wilk Critical Value	0.803				Detected Data appear Lognormal at 5% Significance Level		

	A	B	C	D	E	F	G	H	I	J	K	L
1197	Lilliefors Test Statistic					0.179	Lilliefors GOF Test					
1198	5% Lilliefors Critical Value					0.304	Detected Data appear Lognormal at 5% Significance Level					
1199	Detected Data appear Lognormal at 5% Significance Level											
1200												
1201	Lognormal ROS Statistics Using Imputed Non-Detects											
1202	Mean in Original Scale					29.63	Mean in Log Scale					2.451
1203	SD in Original Scale					55.49	SD in Log Scale					1.348
1204	95% t UCL (assumes normality of ROS data)					47.49	95% Percentile Bootstrap UCL					48.36
1205	95% BCA Bootstrap UCL					59.52	95% Bootstrap t UCL					71.15
1206	95% H-UCL (Log ROS)					61.28						
1207												
1208	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution											
1209	KM Mean (logged)					2.426	KM Geo Mean					11.31
1210	KM SD (logged)					1.446	95% Critical H Value (KM-Log)					3.051
1211	KM Standard Error of Mean (logged)					0.564	95% H-UCL (KM -Log)					75.14
1212	KM SD (logged)					1.446	95% Critical H Value (KM-Log)					3.051
1213	KM Standard Error of Mean (logged)					0.564						
1214												
1215	DL/2 Statistics											
1216	DL/2 Normal					DL/2 Log-Transformed						
1217	Mean in Original Scale					42.23	Mean in Log Scale					3.173
1218	SD in Original Scale					53.68	SD in Log Scale					1.17
1219	95% t UCL (Assumes normality)					59.51	95% H-Stat UCL					86.33
1220	DL/2 is not a recommended method, provided for comparisons and historical reasons											
1221												
1222	Nonparametric Distribution Free UCL Statistics											
1223	Detected Data appear Approximate Normal Distributed at 5% Significance Level											
1224												
1225	Suggested UCL to Use											
1226	95% KM (t) UCL					51.85						
1227												
1228	When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test											
1229	When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL											
1230												
1231	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
1232	Recommendations are based upon data size, data distribution, and skewness.											
1233	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
1234	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
1235												

APPENDIX D
RSL CALCULATOR INPUT PARAMETERS

**SUMMARY OF INPUT PARAMETERS
DWM RISK ASSESSMENT TOOLKIT
5/31/2016**

Receptor	Parameter	Name	Recommended Value	Justification for Recommended Value
<p>Note: Calculations assume an age of 5 to 13 years for an elementary school child. Therefore, 0 years are entered for the 0-2 year and 16-26 year age range for all exposure parameters. EPA RSL¹ default values are used for all input parameters except those referenced in this table.</p>				
Child	AF _{2-6 yrs}	Soil Adherence Factor - Age 2-6 yrs (mg/cm ²)	0.04	Value is based on the higher recommended soil adherence rates for "Daycare (indoors and outdoors)" and "Outdoor sports" listed in the in EPA Exposure Factors Handbook Table 7-4. "Daycare (indoors and outdoors)" and "Outdoor sports" were selected because they are the activities most similar to those expected to be performed by elementary school aged children. Values are weighted by skin surface area for 0-2 year age range based on the default skin surface area values referenced below (SA).
Child	AF _{6-16 yrs}	Soil Adherence Factor - Age 6-16 yrs (mg/cm ²)	0.04	Value is based on the higher recommended soil adherence rates for "Daycare (indoors and outdoors)" and "Outdoor sports" listed in the in EPA Exposure Factors Handbook Table 7-4. "Daycare (indoors and outdoors)" and "Outdoor sports" were selected because they are the activities most similar to those expected to be performed by elementary school aged children. Values are weighted by skin surface area for 6-16 year age range based on the default skin surface area values referenced below (SA).
Child	BW _{2-6 yrs}	Body Weight - Age 2-6 yrs (kg)	25.2	Value is average of recommended body weight values for ages 5 and 6 in EPA Exposure Factors Handbook Table 8-1.
Child	BW _{6-16 yrs}	Body Weight - Age 6-16 yrs (kg)	42.5	Value is average of recommended body weight values for ages 7 through 13 in EPA Exposure Factors Handbook Table 8-1 (note age 6 is covered in the 2-6 year age range).
Child	ED _{2-6 yrs}	Exposure Duration - Age 2-6 yrs (yrs)	2	Calculations assume an age of 5 to 13 for an elementary school child. Therefore, a value of 2 years is applicable for ages 5 and 6 in the 2-6 year age range.
Child	ED _{6-16 yrs}	Exposure Duration - Age 6-16 years (yrs)	7	Calculations assume an age of 5 to 13 for an elementary school child. Therefore, a value of 7 years is applicable for ages 7 through 13 in the 6-16 year age range (note age 6 is covered in the 2-6 year age range).
Child	EF _{2-6 yrs}	Exposure Frequency - Age 2-6 yrs (days/yr)	180	Equivalent to number of school days in 2015-2016 year in Oxford School District.
Child	EF _{6-16 yrs}	Exposure Frequency - Age 6-16 yrs (days/yr)	180	Equivalent to number of school days in 2015-2016 year in Oxford School District.
Child	ET _{2-6 yrs}	Exposure Time - Age 2-6 yrs (hrs/day)	8	School hours are 8am to 2:30pm. Value used assumes students may be on-site until 4:00pm for after school activities.
Child	ET _{6-16 yrs}	Exposure Time - Age 6-16 yrs (hrs/day)	8	School hours are 8am to 2:30pm. Value used assumes students may be on-site until 4:00pm for after school activities.
Child	IRS _{2-6 yrs}	Soil Ingestion Rate - Age 2-6 yrs (mg/d)	200	Value is EPA RSL ¹ default for 2-6 year age range.
Child	IRS _{6-16 yrs}	Soil Ingestion Rate - Age 6-15 yrs (mg/d)	100	Value is EPA RSL ¹ default for 6-16 year age range.
Child	SA _{2-6 yrs}	Skin Surface Area - Age 2-6 yrs (cm ²)	4,740	Value is average of recommended skin surface area values for ages 5 and 6 for head, hands, forearms, lower legs, and feet in EPA Exposure Factors Handbook Table 7-2. Note EPA table lists values for whole arms and legs, value used assumes half of the whole value for the forearms and lower legs only.
Child	SA _{6-16 yrs}	Skin Surface Area - Age 6-16 yrs (cm ²)	6,032	ATC calculated the average of recommended skin surface area values for ages 7 through 12 for head, hands, forearms, lower legs, and feet in EPA Exposure Factors Handbook Table 7-2. EPA table lists values for whole arms and legs, value used assumes half of the whole value for the forearms and lower legs only. The results of the calculations indicated a value of 6656 cm ² , which is higher than the EPA default value of 6,630 cm ² for a residential adult. Therefore, the default value of 6,032 cm ² was used.

BODY WEIGHT		
Grade	Age	Body Weight (kg)
K	5	18.6
1	6	31.8
Average Ages 5-6		25.2
2	7	31.8
3	8	31.8
4	9	31.8
5	10	31.8
6	11	56.8
7	12	56.8
8	13	56.8
Average Ages 7-13		42.5

SKIN SURFACE AREA								
Grade	Age	Head	Hands	Half arms	Half legs	Feet	Total (m2)	Convert to cm2
K	5	0.076	0.046	0.0665	0.122	0.061	0.3715	
1	6	0.09	0.07	0.1035	0.213	0.1	0.5765	
Average Ages 5-6							0.474	4740
2	7	0.09	0.07	0.1035	0.213	0.1	0.5765	
3	8	0.09	0.07	0.1035	0.213	0.1	0.5765	
4	9	0.09	0.07	0.1035	0.213	0.1	0.5765	
5	10	0.09	0.07	0.1035	0.213	0.1	0.5765	
6	11	0.095	0.093	0.1475	0.313	0.136	0.7845	
7	12	0.095	0.093	0.1475	0.313	0.136	0.7845	
8	13	0.095	0.093	0.1475	0.313	0.136	0.7845	
Average Ages 7-13							0.665642857	6656

School Days Open 2015-2016 School Year

http://www.oxnardsd.org/files/_GXL2s_/9b47dacd9fbdef3b3745a49013852ec4/2015-16_OSD_Final_School_Calendar_Revised_august2014.pdf

Aug	3	Nov	5	Feb	5	May	5
	5		4		4		5
	1		5		4		5
Sept	4		0		5		5
	4		1		1		1
	5	Dec	4	Mar	4	Jun	3
	5		5		5		5
	3		5		5		5
Oct	2		0		4		180
	5		0		0		
	5	Jan	0	Apr	0		
	5		0		0		
	4		5		5		
			4		5		
			5		5		

SOIL ADHERENCE FACTOR WEIGHTED BY SKIN SURFACE AREA							
Grade	Age	Head	Hands	Half arms	Half legs	Feet	Total
K	5	0.076	0.046	0.0665	0.122	0.061	0.3715
1	6	0.09	0.07	0.1035	0.213	0.1	0.5765
Total		0.166	0.116	0.17	0.335	0.161	0.948
% of Total		0.175105485	0.122362869	0.179324895	0.353376	0.169831	1
Adherence Factor		0.012	0.11	0.024	0.031	0.071	
Weighted Average		0.002101266	0.013459916	0.004303797	0.010955	0.012058	0.04
2	7	0.09	0.07	0.1035	0.213	0.1	0.5765
3	8	0.09	0.07	0.1035	0.213	0.1	0.5765
4	9	0.09	0.07	0.1035	0.213	0.1	0.5765
5	10	0.09	0.07	0.1035	0.213	0.1	0.5765
6	11	0.095	0.093	0.1475	0.313	0.136	0.7845
7	12	0.095	0.093	0.1475	0.313	0.136	0.7845
8	13	0.095	0.093	0.1475	0.313	0.136	0.7845
Total		0.645	0.559	0.8565	1.791	0.808	4.6595
% of Total		0.13842687	0.119969954	0.183818006	0.384376	0.173409	1
Adherence Factor		0.012	0.11	0.024	0.031	0.071	
Weighted Average		0.001661122	0.013196695	0.004411632	0.011916	0.012312	0.04

APPENDIX E
SITE-SPECIFIC RISK OUTPUT - CHILD

Site-specific

Resident Equation Inputs for Soil

Variable	Value
THQ (target hazard quotient) unitless	1
TR (target risk) unitless	1.0E-6
LT (lifetime) year	70
ET _{res} (exposure time) hour	8
ET _{res-c} (child exposure time) hour	8
ET _{res-a} (adult exposure time) hour	8
ET ₀₋₂ (mutagenic exposure time) hour	0
ET ₂₋₆ (mutagenic exposure time) hour	8
ET ₆₋₁₆ (mutagenic exposure time) hour	8
ET ₁₆₋₂₆ (mutagenic exposure time) hour	0
ED _{res} (exposure duration) year	9
ED _{res-c} (exposure duration - child) year	2
ED _{res-a} (exposure duration - adult) year	7
ED ₀₋₂ (mutagenic exposure duration) year	0
ED ₂₋₆ (mutagenic exposure duration) year	2
ED ₆₋₁₆ (mutagenic exposure duration) year	7
ED ₁₆₋₂₆ (mutagenic exposure duration) year	0
BW _{res-c} (body weight - child) kg	25.2
BW _{res-a} (body weight - adult) kg	42.5
BW ₀₋₂ (mutagenic body weight) kg	0
BW ₂₋₆ (mutagenic body weight) kg	25.2
BW ₆₋₁₆ (mutagenic body weight) kg	42.5
BW ₁₆₋₂₆ (mutagenic body weight) kg	0
SA _{res-c} (skin surface area - child) cm ² /day	4740
SA _{res-a} (skin surface area - adult) cm ² /day	6032
SA ₀₋₂ (mutagenic skin surface area) cm ² /day	0
SA ₂₋₆ (mutagenic skin surface area) cm ² /day	4740
SA ₆₋₁₆ (mutagenic skin surface area) cm ² /day	6032
SA ₁₆₋₂₆ (mutagenic skin surface area) cm ² /day	0
EF _{res} (exposure frequency) day/year	180
EF _{res-c} (exposure frequency - child) day/year	180
EF _{res-a} (exposure frequency - adult) day/year	180
EF ₀₋₂ (mutagenic exposure frequency) day/year	0

Site-specific

Resident Equation Inputs for Soil

Variable	Value
EF ₂₋₆ (mutagenic exposure frequency) day/year	180
EF ₆₋₁₆ (mutagenic exposure frequency) day/year	180
EF ₁₆₋₂₆ (mutagenic exposure frequency) day/year	0
IFS _{res-adj} (age-adjusted soil ingestion factor) mg/kg	5821.849
IFSM _{res-adj} (mutagenic age-adjusted soil ingestion factor) mg/kg	17465.546
IRS _{res-c} (soil intake rate - child) mg/day	200
IRS _{res-a} (soil intake rate - adult) mg/day	100
IRS ₀₋₂ (mutagenic soil intake rate) mg/day	0
IRS ₂₋₆ (mutagenic soil intake rate) mg/day	200
IRS ₆₋₁₆ (mutagenic soil intake rate) mg/day	100
IRS ₁₆₋₂₆ (mutagenic soil intake rate) mg/day	0
AF _{res-a} (skin adherence factor - adult) mg/cm ²	0.04
AF _{res-c} (skin adherence factor - child) mg/cm ²	0.04
AF ₀₋₂ (mutagenic skin adherence factor) mg/cm ²	0
AF ₂₋₆ (mutagenic skin adherence factor) mg/cm ²	0.04
AF ₆₋₁₆ (mutagenic skin adherence factor) mg/cm ²	0.04
AF ₁₆₋₂₆ (mutagenic skin adherence factor) mg/cm ²	0
DFS _{res-adj} (age-adjusted soil dermal factor) mg/kg	9861.814
DFSM _{res-adj} (mutagenic age-adjusted soil dermal factor) mg/kg	29585.441
City (Climate Zone) PEF Selection	Default
A _s (acres)	.5
Q/C _{wp} (g/m ² -s per kg/m ³)	93.77
PEF (particulate emission factor) m ³ /kg	1359344438
A (PEF Dispersion Constant)	16.2302
B (PEF Dispersion Constant)	18.7762
C (PEF Dispersion Constant)	216.108
V (fraction of vegetative cover) unitless	0.5
U _m (mean annual wind speed) m/s	4.69
U _t (equivalent threshold value)	11.32
F(x) (function dependant on U _m /U _t) unitless	0.194
City (Climate Zone) VF Selection	Default
A _s (acres)	.5
Q/C _{vol} (g/m ² -s per kg/m ³)	68.18

Site-specific

Resident Equation Inputs for Soil

Variable	Value
foc (fraction organic carbon in soil) g/g	0.006
ρ_b (dry soil bulk density) g/cm ³	1.5
ρ_s (soil particle density) g/cm ³	2.65
n (total soil porosity) L_{pore}/L_{soil}	0.43396
θ_a (air-filled soil porosity) L_{air}/L_{soil}	0.28396
θ_w (water-filled soil porosity) L_{water}/L_{soil}	0.15
T (exposure interval) s	819936000
A (VF Dispersion Constant)	11.911
B (VF Dispersion Constant)	18.4385
C (VF Dispersion Constant)	209.7845
City (Climate Zone) VF _{ml} Selection	Default
VF _s (volitization factor) m ³ /kg	.
Q/C _{vol} (g/m ² -s per kg/m ³)	68.18365
A _s (acres)	.5
T (exposure interval) yr	26
d _s (depth of source) m	.
ρ_b (dry soil bulk density) g/cm ³	1.5
A (VF Dispersion Constant - Mass Limit)	11.911
B (VF Dispersion Constant - Mass Limit)	18.4385
C (VF Dispersion Constant - Mass Limit)	209.7845

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, ca* (Where nc SL < 100 x ca SL),
 ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat,
 Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide),
 Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	CAS Number	Mutagen?	VOC?	Ingestion SF (mg/kg-day) ⁻¹	SFO Ref	Inhalation Unit Risk (ug/m ³) ⁻¹	IUR Ref	Chronic RfD (mg/kg-day)	Chronic RfD Ref	Chronic RfC (mg/m ³)	Chronic RfC Ref	GIABS
Chlordane (gamma)	5103-74-2	No	Yes	-		-		-		-		1
DDD	72-54-8	No	No	2.40E-01	I	6.90E-05	C	-		-		1
DDE, p,p'-	72-55-9	No	Yes	3.40E-01	I	9.70E-05	C	-		-		1
DDT	50-29-3	No	No	3.40E-01	I	9.70E-05	I	5.00E-04	I	-		1
Dieldrin	60-57-1	No	No	1.60E+01	I	4.60E-03	I	5.00E-05	I	-		1
Endosulfan	115-29-7	No	Yes	-		-		6.00E-03	I	-		1
Endrin	72-20-8	No	No	-		-		3.00E-04	I	-		1
Heptachlor Epoxide	1024-57-3	No	Yes	9.10E+00	I	2.60E-03	I	1.30E-05	I	-		1
Hexachlorocyclohexane, Beta-	319-85-7	No	No	1.80E+00	I	5.30E-04	I	-		-		1
Methoxychlor	72-43-5	No	No	-		-		5.00E-03	I	-		1
Pyrene	129-00-0	No	Yes	-		-		3.00E-02	I	-		1
Total Petroleum Hydrocarbons (Aromatic High)	NA	No	No	-		-		4.00E-02	P	-		1
Total Petroleum Hydrocarbons (Aromatic Medium)	NA	No	Yes	-		-		4.00E-03	P	3.00E-03	P	1
Toxaphene	8001-35-2	No	No	1.10E+00	I	3.20E-04	I	-		-		1

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, ca* (Where nc SL < 100 x ca SL),
 ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat,
 Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide),
 Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	ABS	RBA	Volatilization Factor (m ³ /kg)	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor (m ³ /kg)	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL Child THQ=1 (mg/kg)
Chlordane (gamma)	-	1	1.49E+06	-	1.36E+09	-	-	-	-	-
DDD	0.1	1	-	-	1.36E+09	1.83E+01	1.08E+02	9.32E+05	1.56E+01	-
DDE, p,p'	-	1	2.10E+06	-	1.36E+09	1.29E+01	-	1.02E+03	1.27E+01	-
DDT	0.03	1	-	-	1.36E+09	1.29E+01	2.54E+02	6.63E+05	1.23E+01	1.28E+02
Dieldrin	0.1	1	-	-	1.36E+09	2.74E-01	1.62E+00	1.40E+04	2.35E-01	1.28E+01
Endosulfan	-	1	4.10E+05	-	1.36E+09	-	-	-	-	1.53E+03
Endrin	0.1	1	-	-	1.36E+09	-	-	-	-	7.67E+01
Heptachlor Epoxide	-	1	8.43E+05	-	1.36E+09	4.82E-01	-	1.53E+01	4.68E-01	3.32E+00
Hexachlorocyclohexane, Beta-	0.1	1	-	-	1.36E+09	2.44E+00	1.44E+01	1.21E+05	2.08E+00	-
Methoxychlor	0.1	1	-	-	1.36E+09	-	-	-	-	1.28E+03
Pyrene	0.13	1	2.38E+06	-	1.36E+09	-	-	-	-	7.67E+03
Total Petroleum Hydrocarbons (Aromatic High)	0.1	1	-	-	1.36E+09	-	-	-	-	1.02E+04
Total Petroleum Hydrocarbons (Aromatic Medium)	-	1	5.24E+04	-	1.36E+09	-	-	-	-	1.02E+03
Toxaphene	0.1	1	-	-	1.36E+09	3.99E+00	2.36E+01	2.01E+05	3.41E+00	-

Site-specific

Resident Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, ca* (Where nc SL < 100 x ca SL),
 ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat,
 Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide),
 Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	Dermal SL Child THQ=1 (mg/kg)	Inhalation SL Child THQ=1 (mg/kg)	Noncarcinogenic SL Child THI=1 (mg/kg)	Ingestion SL Adult THQ=1 (mg/kg)	Dermal SL Adult THQ=1 (mg/kg)	Inhalation SL Adult THQ=1 (mg/kg)	Noncarcinogenic SL Adult THI=1 (mg/kg)	Screening Level (mg/kg)
Chlordane (gamma)	-	-	-	-	-	-	-	-
DDD	-	-	-	-	-	-	-	1.56E+01 ca
DDE, p,p'	-	-	-	-	-	-	-	1.27E+01 ca
DDT	4.49E+03	-	1.24E+02	4.31E+02	5.95E+03	-	4.02E+02	1.23E+01 ca*
Dieldrin	1.35E+02	-	1.17E+01	4.31E+01	1.79E+02	-	3.47E+01	2.35E-01 ca*
Endosulfan	-	-	1.53E+03	5.17E+03	-	-	5.17E+03	1.53E+03 nc
Endrin	8.09E+02	-	7.00E+01	2.59E+02	1.07E+03	-	2.08E+02	7.00E+01 nc
Heptachlor Epoxide	-	-	3.32E+00	1.12E+01	-	-	1.12E+01	4.68E-01 ca**
Hexachlorocyclohexane, Beta-	-	-	-	-	-	-	-	2.08E+00 ca
Methoxychlor	1.35E+04	-	1.17E+03	4.31E+03	1.79E+04	-	3.47E+03	1.17E+03 nc
Pyrene	6.22E+04	-	6.82E+03	2.59E+04	8.24E+04	-	1.97E+04	6.82E+03 nc
Total Petroleum Hydrocarbons (Aromatic High)	1.08E+05	-	9.34E+03	3.45E+04	1.43E+05	-	2.78E+04	9.34E+03 nc
Total Petroleum Hydrocarbons (Aromatic Medium)	-	9.57E+02	4.94E+02	3.45E+03	-	9.57E+02	7.49E+02	4.94E+02 nc
Toxaphene	-	-	-	-	-	-	-	3.41E+00 ca

Site-specific

Resident Risk for Soil

Chemical	Ingestion SF (mg/kg-day) ⁻¹	SFO Ref	Inhalation Unit Risk (ug/m ³) ⁻¹	IUR Ref	Chronic RfD (mg/kg-day)	Chronic RfD Ref	Chronic RfC (mg/m ³)	Chronic RfC Ref	GIABS	ABS	RBA
Chlordane (gamma)	-		-		-		-		1	-	1
DDD	2.40E-01	I	6.90E-05	C	-		-		1	0.1	1
DDE, p,p'-	3.40E-01	I	9.70E-05	C	-		-		1	-	1
DDT	3.40E-01	I	9.70E-05	I	5.00E-04	I	-		1	0.03	1
Dieldrin	1.60E+01	I	4.60E-03	I	5.00E-05	I	-		1	0.1	1
Endosulfan	-		-		6.00E-03	I	-		1	-	1
Endrin	-		-		3.00E-04	I	-		1	0.1	1
Heptachlor Epoxide	9.10E+00	I	2.60E-03	I	1.30E-05	I	-		1	-	1
Hexachlorocyclohexane, Beta-	1.80E+00	I	5.30E-04	I	-		-		1	0.1	1
Methoxychlor	-		-		5.00E-03	I	-		1	0.1	1
Pyrene	-		-		3.00E-02	I	-		1	0.13	1
Total Petroleum Hydrocarbons (Aromatic High)	-		-		4.00E-02	P	-		1	0.1	1
Total Petroleum Hydrocarbons (Aromatic Medium)	-		-		4.00E-03	P	3.00E-03	P	1	-	1
Toxaphene	1.10E+00	I	3.20E-04	I	-		-		1	0.1	1
<i>*Total Risk/HI</i>	-		-		-		-		-	-	-

Site-specific

Resident Risk for Soil

Chemical	Volatilization Factor (m ³ /kg)	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor (m ³ /kg)	Concentration (mg/kg)	Ingestion Risk	Dermal Risk	Inhalation Risk	Carcinogenic Risk
Chlordane (gamma)	1.49E+06	-	1.36E+09	3.85E-01	-	-	-	-
DDD	-	-	1.36E+09	2.99E-01	1.63E-08	2.77E-09	3.20E-13	1.91E-08
DDE, p,p'-	2.10E+06	-	1.36E+09	9.10E-01	7.05E-08	-	8.89E-10	7.14E-08
DDT	-	-	1.36E+09	1.12E+00	8.65E-08	4.39E-09	1.68E-12	9.09E-08
Dieldrin	-	-	1.36E+09	6.96E-02	2.54E-07	4.30E-08	4.98E-12	2.97E-07
Endosulfan	4.10E+05	-	1.36E+09	7.30E-03	-	-	-	-
Endrin	-	-	1.36E+09	2.11E-01	-	-	-	-
Heptachlor Epoxide	8.43E+05	-	1.36E+09	1.20E-03	2.49E-09	-	7.83E-11	2.57E-09
Hexachlorocyclohexane, Beta-	-	-	1.36E+09	1.30E-03	5.33E-10	9.03E-11	1.07E-14	6.24E-10
Methoxychlor	-	-	1.36E+09	9.70E-02	-	-	-	-
Pyrene	2.38E+06	-	1.36E+09	1.15E-02	-	-	-	-
Total Petroleum Hydrocarbons (Aromatic High)	-	-	1.36E+09	5.19E+01	-	-	-	-
Total Petroleum Hydrocarbons (Aromatic Medium)	5.24E+04	-	1.36E+09	9.12E+00	-	-	-	-
Toxaphene	-	-	1.36E+09	1.90E+00	4.75E-07	8.05E-08	9.43E-12	5.56E-07
<i>*Total Risk/HI</i>	-	-	-	-	<i>9.05E-07</i>	<i>1.31E-07</i>	<i>9.83E-10</i>	<i>1.04E-06</i>

Site-specific

Resident Risk for Soil

Chemical	Ingestion Child HQ	Dermal Child HQ	Inhalation Child HQ	Noncarcinogenic Child HI	Ingestion Adult HQ	Dermal Adult HQ	Inhalation Adult HQ	Noncarcinogenic Adult HI
Chlordane (gamma)	-	-	-	-	-	-	-	-
DDD	-	-	-	-	-	-	-	-
DDE, p,p'	-	-	-	-	-	-	-	-
DDT	8.74E-03	2.48E-04	-	8.98E-03	2.59E-03	1.87E-04	-	2.78E-03
Dieldrin	5.45E-03	5.16E-04	-	5.96E-03	1.62E-03	3.90E-04	-	2.00E-03
Endosulfan	4.76E-06	-	-	4.76E-06	1.41E-06	-	-	1.41E-06
Endrin	2.75E-03	2.61E-04	-	3.01E-03	8.15E-04	1.97E-04	-	1.01E-03
Heptachlor Epoxide	3.61E-04	-	-	3.61E-04	1.07E-04	-	-	1.07E-04
Hexachlorocyclohexane, Beta-	-	-	-	-	-	-	-	-
Methoxychlor	7.59E-05	7.20E-06	-	8.31E-05	2.25E-05	5.43E-06	-	2.79E-05
Pyrene	1.50E-06	1.85E-07	-	1.69E-06	4.45E-07	1.40E-07	-	5.84E-07
Total Petroleum Hydrocarbons (Aromatic High)	5.07E-03	4.81E-04	-	5.55E-03	1.50E-03	3.63E-04	-	1.87E-03
Total Petroleum Hydrocarbons (Aromatic Medium)	8.92E-03	-	9.53E-03	1.84E-02	2.64E-03	-	9.53E-03	1.22E-02
Toxaphene	-	-	-	-	-	-	-	-
<i>*Total Risk/HI</i>	<i>3.14E-02</i>	<i>1.51E-03</i>	<i>9.53E-03</i>	<i>4.24E-02</i>	<i>9.30E-03</i>	<i>1.14E-03</i>	<i>9.53E-03</i>	<i>2.00E-02</i>

APPENDIX F
SITE-SPECIFIC RISK OUTPUT - ADULT

Site-specific

Composite Worker Equation Inputs for Soil

Variable	Value
TR (target cancer risk) unitless	1.0E-6
THQ (target hazard quotient) unitless	1
AT _w (averaging time)	365
EF _w (exposure frequency) d/yr	250
ED _w (exposure duration) yr	25
ET _w (exposure time) hr	8
LT (lifetime) yr	70
BW _w (body weight)	80
IR _w (soil ingestion rate) mg/day	100
SA _w (surface area) cm ² /day	3527
AF _w (skin adherence factor) mg/cm ²	0.12
City (Climate Zone) PEF Selection	Default
A _s (acres)	.5
Q/C _{wp} (g/m ² -s per kg/m ³)	93.77
PEF (particulate emission factor) m ³ /kg	1359344438
A (PEF Dispersion Constant)	16.2302
B (PEF Dispersion Constant)	18.7762
C (PEF Dispersion Constant)	216.108
V (fraction of vegetative cover) unitless	0.5
U _m (mean annual wind speed) m/s	4.69
U _t (equivalent threshold value)	11.32
F(x) (function dependant on U _m /U _t) unitless	0.194
City (Climate Zone) VF Selection	Default
A _s (acres)	.5
Q/C _{vol} (g/m ² -s per kg/m ³)	68.18
foc (fraction organic carbon in soil) g/g	0.006
ρ _b (dry soil bulk density) g/cm ³	1.5
ρ _s (soil particle density) g/cm ³	2.65
n (total soil porosity) L _{pore} /L _{soil}	0.43396
θ _a (air-filled soil porosity) L _{air} /L _{soil}	0.28396
θ _w (water-filled soil porosity) L _{water} /L _{soil}	0.15
T (exposure interval) s	819936000
A (VF Dispersion Constant)	11.911

Site-specific

Composite Worker Equation Inputs for Soil

Variable	Value
B (VF Dispersion Constant)	18.4385
C (VF Dispersion Constant)	209.7845
City (Climate Zone) VF _{ml} Selection	Default
VF _s (volitization factor) m ³ /kg	.
Q/C _{vol} (g/m ² -s per kg/m ³)	68.18365
A _s (acres)	.5
T (exposure interval) yr	26
d _s (depth of source) m	.
ρ _b (dry soil bulk density) g/cm ³	1.5
A (VF Dispersion Constant - Mass Limit)	11.911
B (VF Dispersion Constant - Mass Limit)	18.4385
C (VF Dispersion Constant - Mass Limit)	209.7845

Site-specific

Composite Worker Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, ca* (Where nc SL < 100 x ca SL),
 ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat,
 Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide),
 Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	CAS Number	Mutagen?	VOC?	Ingestion SF (mg/kg-day) ⁻¹	SFO Ref	Inhalation Unit Risk (ug/m ³) ⁻¹	IUR Ref	Chronic RfD (mg/kg-day)	Chronic RfD Ref	Chronic RfC (mg/m ³)	Chronic RfC Ref	GIABS	ABS	RBA	Volatilization Factor (m ³ /kg)
Chlordane (gamma)	5103-74-2	No	Yes	-		-		-		-		1	-	1	1.49E+06
DDD	72-54-8	No	No	2.40E-01	I	6.90E-05	C	-		-		1	0.1	1	-
DDE, p,p'-	72-55-9	No	Yes	3.40E-01	I	9.70E-05	C	-		-		1	-	1	2.10E+06
DDT	50-29-3	No	No	3.40E-01	I	9.70E-05	I	5.00E-04	I	-		1	0.03	1	-
Dieldrin	60-57-1	No	No	1.60E+01	I	4.60E-03	I	5.00E-05	I	-		1	0.1	1	-
Endosulfan	115-29-7	No	Yes	-		-		6.00E-03	I	-		1	-	1	4.10E+05
Endrin	72-20-8	No	No	-		-		3.00E-04	I	-		1	0.1	1	-
Heptachlor Epoxide	1024-57-3	No	Yes	9.10E+00	I	2.60E-03	I	1.30E-05	I	-		1	-	1	8.43E+05
Hexachlorocyclohexane, Beta-	319-85-7	No	No	1.80E+00	I	5.30E-04	I	-		-		1	0.1	1	-
Methoxychlor	72-43-5	No	No	-		-		5.00E-03	I	-		1	0.1	1	-
Pyrene	129-00-0	No	Yes	-		-		3.00E-02	I	-		1	0.13	1	2.38E+06
Total Petroleum Hydrocarbons (Aromatic High)	NA	No	No	-		-		4.00E-02	P	-		1	0.1	1	-
Total Petroleum Hydrocarbons (Aromatic Medium)	NA	No	Yes	-		-		4.00E-03	P	3.00E-03	P	1	-	1	5.24E+04
Toxaphene	8001-35-2	No	No	1.10E+00	I	3.20E-04	I	-		-		1	0.1	1	-

Site-specific

Composite Worker Screening Levels (RSL) for Soil

ca=Cancer, nc=Noncancer, ca* (Where nc SL < 100 x ca SL),
 ca** (Where nc SL < 10 x ca SL), max=SL exceeds ceiling limit (see User's Guide), sat=SL exceeds csat,
 Smax=Soil SL exceeds ceiling limit and has been substituted with the max value (see User's Guide),
 Ssat=Soil inhalation SL exceeds csat and has been substituted with the csat

Chemical	Soil Saturation Concentration (mg/kg)	Particulate Emission Factor (m ³ /kg)	Ingestion SL TR=1.0E-6 (mg/kg)	Dermal SL TR=1.0E-6 (mg/kg)	Inhalation SL TR=1.0E-6 (mg/kg)	Carcinogenic SL TR=1.0E-6 (mg/kg)	Ingestion SL THQ=1 (mg/kg)	Dermal SL THQ=1 (mg/kg)	Inhalation SL THQ=1 (mg/kg)	Noncarcinogenic SL THI=1 (mg/kg)	Screening Level (mg/kg)
Chlordane (gamma)	-	1.36E+09	-	-	-	-	-	-	-	-	
DDD	-	1.36E+09	1.36E+01	3.22E+01	2.42E+05	9.57E+00	-	-	-	-	9.57E+00 ca
DDE, p,p'	-	1.36E+09	9.62E+00	-	2.65E+02	9.28E+00	-	-	-	-	9.28E+00 ca
DDT	-	1.36E+09	9.62E+00	7.58E+01	1.72E+05	8.53E+00	5.84E+02	4.60E+03	-	5.18E+02	8.53E+00 ca*
Dieldrin	-	1.36E+09	2.04E-01	4.83E-01	3.62E+03	1.44E-01	5.84E+01	1.38E+02	-	4.10E+01	1.44E-01 ca
Endosulfan	-	1.36E+09	-	-	-	-	7.01E+03	-	-	7.01E+03	7.01E+03 nc
Endrin	-	1.36E+09	-	-	-	-	3.50E+02	8.28E+02	-	2.46E+02	2.46E+02 nc
Heptachlor Epoxide	-	1.36E+09	3.59E-01	-	3.97E+00	3.30E-01	1.52E+01	-	-	1.52E+01	3.30E-01 ca*
Hexachlorocyclohexane, Beta-Methoxychlor	-	1.36E+09	1.82E+00	4.29E+00	3.15E+04	1.28E+00	-	-	-	-	1.28E+00 ca
	-	1.36E+09	-	-	-	-	5.84E+03	1.38E+04	-	4.10E+03	4.10E+03 nc
Pyrene	-	1.36E+09	-	-	-	-	3.50E+04	6.37E+04	-	2.26E+04	2.26E+04 nc
Total Petroleum Hydrocarbons (Aromatic High)	-	1.36E+09	-	-	-	-	4.67E+04	1.10E+05	-	3.28E+04	3.28E+04 nc
Total Petroleum Hydrocarbons (Aromatic Medium)	-	1.36E+09	-	-	-	-	4.67E+03	-	6.89E+02	6.00E+02	6.00E+02 nc
Toxaphene	-	1.36E+09	2.97E+00	7.02E+00	5.21E+04	2.09E+00	-	-	-	-	2.09E+00 ca

Site-specific

Composite Worker Risk for Soil

Chemical	Ingestion SF (mg/kg-day) ⁻¹	SFO Ref	Inhalation Unit Risk (ug/m ³) ⁻¹	IUR Ref	Chronic RfD (mg/kg-day)	Chronic RfD Ref	Chronic RfC (mg/m ³)	Chronic RfC Ref	GIABS	ABS	RBA	Volatilization Factor (m ³ /kg)	Soil Saturation Concentration (mg/kg)
Chlordane (gamma)	-		-		-		-		1	-	1	1.49E+06	-
DDD	2.40E-01	I	6.90E-05	C	-		-		1	0.1	1	-	-
DDE, p,p'	3.40E-01	I	9.70E-05	C	-		-		1	-	1	2.10E+06	-
DDT	3.40E-01	I	9.70E-05	I	5.00E-04	I	-		1	0.03	1	-	-
Dieldrin	1.60E+01	I	4.60E-03	I	5.00E-05	I	-		1	0.1	1	-	-
Endosulfan	-		-		6.00E-03	I	-		1	-	1	4.10E+05	-
Endrin	-		-		3.00E-04	I	-		1	0.1	1	-	-
Heptachlor Epoxide	9.10E+00	I	2.60E-03	I	1.30E-05	I	-		1	-	1	8.43E+05	-
Hexachlorocyclohexane, Beta-	1.80E+00	I	5.30E-04	I	-		-		1	0.1	1	-	-
Methoxychlor	-		-		5.00E-03	I	-		1	0.1	1	-	-
Pyrene	-		-		3.00E-02	I	-		1	0.13	1	2.38E+06	-
Total Petroleum Hydrocarbons (Aromatic High)	-		-		4.00E-02	P	-		1	0.1	1	-	-
Total Petroleum Hydrocarbons (Aromatic Medium)	-		-		4.00E-03	P	3.00E-03	P	1	-	1	5.24E+04	-
Toxaphene	1.10E+00	I	3.20E-04	I	-		-		1	0.1	1	-	-
<i>*Total Risk/HI</i>	-		-		-		-		-	-	-	-	-

Site-specific

Composite Worker Risk for Soil

Chemical	Particulate Emission Factor (m ³ /kg)	Concentration (mg/kg)	Ingestion Risk	Dermal Risk	Inhalation Risk	Carcinogenic Risk	Ingestion HQ	Dermal HQ	Inhalation HQ	Noncarcinogenic HI
Chlordane (gamma)	1.36E+09	3.85E-01	-	-	-	-	-	-	-	-
DDD	1.36E+09	2.99E-01	2.19E-08	9.28E-09	1.24E-12	3.12E-08	-	-	-	-
DDE, p,p'-	1.36E+09	9.10E-01	9.46E-08	-	3.43E-09	9.80E-08	-	-	-	-
DDT	1.36E+09	1.12E+00	1.16E-07	1.47E-08	6.49E-12	1.31E-07	0.001911	0.0002426	-	0.0021536
Dieldrin	1.36E+09	6.96E-02	3.41E-07	1.44E-07	1.92E-11	4.85E-07	0.0011918	0.0005044	-	0.0016962
Endosulfan	1.36E+09	7.30E-03	-	-	-	-	1.0417E-6	-	-	1.0417E-6
Endrin	1.36E+09	2.11E-01	-	-	-	-	0.0006013	0.0002545	-	0.0008558
Heptachlor Epoxide	1.36E+09	1.20E-03	3.34E-09	-	3.02E-10	3.64E-09	0.000079	-	-	0.000079
Hexachlorocyclohexane, Beta-	1.36E+09	1.30E-03	7.16E-10	3.03E-10	4.13E-14	1.02E-09	-	-	-	-
Methoxychlor	1.36E+09	9.70E-02	-	-	-	-	0.0000166	7.0298E-6	-	0.0000236
Pyrene	1.36E+09	1.15E-02	-	-	-	-	3.282E-7	1.8058E-7	-	5.0877E-7
Total Petroleum Hydrocarbons (Aromatic High)	1.36E+09	5.19E+01	-	-	-	-	0.0011098	0.0004697	-	0.0015795
Total Petroleum Hydrocarbons (Aromatic Medium)	1.36E+09	9.12E+00	-	-	-	-	0.001951	-	0.0132317	0.0151827
Toxaphene	1.36E+09	1.90E+00	6.38E-07	2.70E-07	3.64E-11	9.08E-07	-	-	-	-
<i>*Total Risk/HI</i>	-	-	<i>1.21E-06</i>	<i>4.38E-07</i>	<i>3.79E-09</i>	<i>1.66E-06</i>	<i>0.0068619</i>	<i>0.0014785</i>	<i>0.0132317</i>	<i>0.021572</i>



Matthew Rodriguez
Secretary for
Environmental Protection



Department of Toxic Substances Control

Barbara A. Lee, Director
5796 Corporate Avenue
Cypress, California 90630



Edmund G. Brown Jr.
Governor

July 27, 2016

Mr. Greg Grant
Program Manager
CFW, Inc.
1901 South Victoria Avenue, No. 106
Oxnard, California 93035

**ADEQUACY OF PRELIMINARY ENDANGERMENT ASSESSMENT REPORT –
LEMONWOOD ELEMENTARY SCHOOL, PHASE 2 CONSTRUCTION AREA, 2200
CARNEGIE COURT, OXNARD, CALIFORNIA 93035 (SITE CODE: 304657)**

Dear Mr. Grant:

The Department of Toxic Substances Control (DTSC) reviewed the Preliminary Endangerment Assessment Report (PEA) prepared by Cardno ATC on behalf of the Oxnard School District (District), dated and received electronically on July 5, 2016. The PEA presents investigation results and conclusions based on a health risk screening evaluation for the "Phase 2 Construction Area" (Site) at the Lemonwood Elementary School (ES).

According to the PEA, the Lemonwood ES campus is approximately 9.87 acres, located on the northeastern corner of the intersection of Carnegie Street and San Mateo Place, Oxnard. According to the Phase I Environmental Site Assessment (ESA), the area of the campus was used for agriculture from 1904 to 1980. The Lemonwood ES was constructed in 1980. The surrounding areas were used for agriculture from 1904 to 1960, for agriculture, residents, and a public park from 1960 to 1980, and for residents and a public park from 1981 to present, respectively. Currently, the District is planning to expand and renovate the campus in two phases. The Phase 1 Construction Area is approximately 0.88 acres, located on the north side of the campus, and Phase 2 Construction Area is approximately 9 acres, consisting of the remainder of the campus.

Phase 1 Area PEA conducted in October 2015 and January 2016 investigated for volatile organic carbons (VOCs), methane, hydrogen sulfide, total petroleum hydrocarbons (TPHs), organochlorine pesticides (OCPs), and metals in soil and soil gas. DTSC approved the Phase 1 PEA on May 4, 2016.

Mr. Greg Grant
July 27, 2016
Page 2

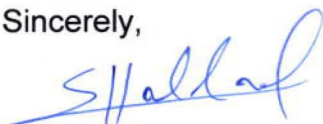
Site investigations conducted in May and September 2013 indicate that the Site is impacted by OCPs and metals. Some imported fill material was observed in several locations. To further characterize the impact from previous activities, the Site was investigated for OCPs, arsenic, lead, and the analytical suite for imported fill materials. Several OCP compounds, including dieldrin, chlordane, 4,4'-DDE, 4,4-DDT, and toxaphene were detected at concentrations exceeding their regional screening levels (RSLs). The cumulative cancer risk was calculated to be 8×10^{-6} for residential use scenario. Cumulative cancer risks were also calculated for school use scenario as 1×10^{-6} for children and 1.6×10^{-6} for adults. The PEA Report recommends a land use covenant (LUC) to limit the Site's future use to non-residential purposes, along with a soil management plan (SMP). DTSC concurs with these conclusions and recommendations.

DTSC hereby concurs with the adequacy of the PEA pending review of public comment; however, DTSC has identified discrepancies in the PEA that do not alter the conclusions or recommendations. The enclosed comments, identifying these discrepancies, are provided for your reference in preparation of future reports. Revision to the PEA is no longer necessary.

DTSC understands that the District intends to make the PEA Report available for public review and comment pursuant to Option B (Ed. Code § 17213.1, subd. (a)(6)(B)). According to the PEA, the District will make this PEA Report available to public within 30 days of DTSC concurrence. The District shall publish a notice of availability of the PEA Report for public review in a local newspaper of general circulation within 60 days of the date of this letter. At the close of the public comment period and after the hearing, please forward a letter that includes the start and end dates of the public comment period, date of the public hearing, and all public comments received on the PEA Report.

If you have any questions regarding this project, please contact Xihong Scarlett Zhai, Project Manager, at (714) 484-5373 or by e-mail at xihong.zhai@dtsc.ca.gov, or contact me at (714) 484-5368 or by e-mail at Shahir.Haddad@dtsc.ca.gov.

Sincerely,



Shahir Haddad, P.E.
Supervising Engineer
Schools Evaluation and Brownfield Cleanup Branch
Brownfields and Environmental Restoration Program

ed/xsz/sh

Enclosure

Mr. Greg Grant
July 27, 2016
Page 3

cc: (via e-mail)

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Schools Evaluation and Brownfields Cleanup Branch Reading File

DTSC COMMENTS
PRELIMINARY ENDANGERMENT ASSESSMENT REPORT
PHASE 2 CONSTRUCTION AREA
LEMONWOOD ELEMENTARY SCHOOL SITE
OXNARD, CALIFORNIA

The following DTSC staff reviewed and provided comments herein to the Draft Preliminary Endangerment Assessment Report (PEA). Original comments from the DTSC Engineering/Geology and Human and Ecological Risk Offices (HERO) are available for review in DTSC project files. All questions regarding these comments should be directed to the Project Manager.

Dr. Riz A. Sarmiento
Staff Toxicologist

DTSC Human and Ecological Risk Office – Chatsworth
Loveriza.Sarmiento@dtsc.ca.gov

COMMENTS

1. Section 4.5, Preliminary Screening Evaluation: Per Section 4.2, the collected soil samples were analyzed for arsenic and lead only. Therefore, the statement “ATC did not perform risk calculations for metals since all detected concentrations appear to represent background concentrations” is inaccurate for the following reasons:
 - a. The metals analyses only included arsenic and lead.
 - b. While arsenic concentrations were compared to the background concentration for arsenic in Southern California, the lead concentrations were compared to EPA’s Regional Screening Level and to the lead concentrations that would result in a “benchmark change” of 1 microgram per deciliter ($\mu\text{g}/\text{dl}$).
 - c. The statement referenced in these comments should be revised for accuracy.

2. Appendix A – Site Conceptual Model (SCM): The SCM should be revised based on the following comments:
 - a. This PEA Report should explain whether the SCM presented in Appendix A is based on analytical data before or after the 2016 investigations.
 - b. Residents and Site workers are identified to have potential exposure pathways to surface water. However, the Site description does not mention the presence of a lake/river/stream in the vicinity of the Site. Furthermore, exposures to surface water were not included in the screening evaluation.

- c. The SCM identified residents and Site workers with complete exposure pathways to groundwater. However, the Report did not evaluate risks or hazard due to contact with groundwater.
 - d. Site workers are assumed to have potentially complete exposure pathways to soil, vapors, and air particulates. Section 4.2 indicates that soil samples were analyzed for VOCs but there was no subsequent discussion pertaining to VOCs. If VOCs are chemicals of potential concern (COPCs), then the SCM is correct and potential exposures to vapors should have been evaluated. If VOCs are not COPCs, then the SCM should indicate potential exposure to soil vapor as an incomplete pathway.
 - e. With the proposed use of this Site as a school, the SCM and the PEA Report should clarify whether residents were considered surrogates for the students and teachers of the school. This Report should also clarify what is meant by Site workers.
3. Appendix C, ProUCL Outputs and Table 5: Table 5 should be revised based on the following comments:
- a. Pyrene was not detected in any of the samples and its analytical Reporting limits did not exceed the corresponding screening level. Therefore, pyrene does not require further evaluation in the screening risk assessment. Please delete from Table 5.
 - b. BHC, heptachlor epoxide, and methoxychlor were detected in only 1 or 2 samples. It is not recommended to calculate a 95% UCL when the number of detects is less than 10%. As indicated in the ProUCL output, the 95% UCL exceeds the maximum concentration. Therefore, the maximum concentrations of these analytes should be used as the exposure point concentration (EPC) (EPA, 1992). HERO also notes that the maximum concentration for BHC shown in Table 5 is different from the maximum value shown in Table 2.
 - c. HERO recommends that Table 5 only show the EPCs and chemical-specific cancer risks. The EPCs should be indicated as either the maximum or the 95% UCL. HERO also recommends that the cancer risk values and EPCs be limited to one significant figure.

4. Appendices D (RSL Calculator Input Parameters), E (Site-specific Risk Output – Child), and F (Site specific Risk Output – Adult): Information presented in these appendices is confusing:
- a. Note on top of the table summarizing the input parameters (Appendix D) states that the calculations assume an age of 5 to 13 years, but the body weights and exposure durations are indicated for ages 2-6 years and 6-16 years.
 - b. Appendix E is supposed to be the site-specific risk output for a child receptor, but the output is titled “Resident Equation Inputs for Soil.” This output is incorrectly labeled because, despite the errors, the parameters are intended to be specific for a school site.
 - c. HERO had recommended that Schoolscreen Version 10 (OEHHA, 2010) should be used for a site-specific evaluation of a school scenario. Instead, incorporation of some school-specific parameters into the RSL calculator is generating questions from HERO.
 - i. Reference for body weights is the Exposure Factors Handbook rather than the body weights recommended in Schoolscreen.
 - ii. Soil ingestion rates refer to a footnote (1), which is not presented. Table 2 in OEHHA’s *Guidance for Assessing Exposures and Health Risks at Existing and Proposed School Sites, Final Report* (February 2004) recommends soil ingestion rates of 200 mg/kg for ages 1-6 years and 100 mg/kg for ages greater than 6 years.
 - iii. HERO calculated the risk associated with 1.9 mg/kg of toxaphene by using Schoolscreen and the calculated cancer risk is 6×10^{-7} compared to 5.56×10^{-7} presented in Appendix E. Therefore, the results can be considered to be similar.
 - iv. The cumulative cancer risk calculated by HERO is similar to the presented total risk of 1.04×10^{-6} in Appendix E.
 - d. Appendix F, Site-specific Risk Output – Adult, presents the estimated cancer risks and HI for a composite worker. If composite worker is intended to represent the school staff, that should have been addressed in the Schoolscreen spreadsheet or in Appendix E, which is erroneously labeled “Resident Equation Inputs for Soil.”
 - e. HERO calculated the cancer risk for a construction worker scenario using toxaphene only. The cancer risk estimate is 2×10^{-7} compared to the risk estimate of 9×10^{-7} presented in Appendix F. It is likely that the cumulative cancer risk estimate due to all COPCs would not exceed 1×10^{-6} .

OSD BOARD AGENDA ITEM

Name of Contributor: **Dr. Jesus Vaca**

Date of Meeting: **September 7, 2016**

- A. Preliminary _____
Study Session: _____
- B. Hearing: _____
- C. Consent Agenda _____ Agreement Category:
____ Academic
____ Enrichment
____ Special Education
____ Support Services
____ Personnel
____ Legal
____ Facilities
- D. Action Items X
- E. Report/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

Approval of the Variable Term Waiver for Speech/Language Pathologist Services Credential for Theresa Sisemore (Vaca)

There is a current shortage of speech/language pathologists in the State of California. At present, it is necessary for the District to hire an intern to meet the needs of students with special needs.

The District is recommending that the Board of Trustees approve this action item for the *Variable Term Waiver*, as described under Education Code 44265.3, for **Theresa Sisemore** to serve as the Speech/Language Pathologist for the 2016/17 school year beginning August 16, 2016 at Juan Lagunas Soria Elementary School, while she completes the California credential requirements for employment as a Speech/Language Pathologist.

FISCAL IMPACT:

None

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent of Human Resources and Support Services that the Board of Trustees approve the Variable Term Waiver for Speech/Language Pathologist Services Credential for Theresa Sisemore, as presented.

ADDITIONAL MATERIAL:

None

OSD BOARD AGENDA ITEM

Name of Contributor: **Dr. Jesus Vaca**

Date of Meeting: **September 7, 2016**

- A. Preliminary _____
Study Session: _____
- B. Hearing: _____
- C. Consent Agenda _____ Agreement Category:
____ Academic
____ Enrichment
____ Special Education
____ Support Services
____ Personnel
____ Legal
____ Facilities
- D. Action Items X
- E. Report/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

Approval of the Variable Term Waiver for Bilingual Authorization for Jasmin Arceo (Vaca)

There is a current shortage of bilingual teachers in the State of California. The District is recommending that the Board of Trustees approve this action item for the *Variable Term Waiver*, as described under Education Code 44253.3, for **Jasmin Arceo** to serve as a second grade, bilingual teacher for the 2016/17 school year beginning August 30, 2016 at Elm Street Elementary School, while she takes and passes the Spanish California Teacher of English Learners (CTEL) exams to obtain bilingual authorization.

FISCAL IMPACT:

None

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent of Human Resources and Support Services that the Board of Trustees approve the Variable Term Waiver for bilingual authorization for Jasmin Arceo, as presented.

ADDITIONAL MATERIAL:

None



OXNARD SCHOOL DISTRICT

1051 South “A” Street • Oxnard, California 93030 • 805/385-1501

SCHEDULE OF BOARD MEETINGS JANUARY – DECEMBER 2016

(UNLESS OTHERWISE INDICATED, ALL MEETINGS ARE HELD ON THE FIRST AND THIRD **WEDNESDAY** OF EACH MONTH IN THE BOARD ROOM AT THE DISTRICT OFFICE, 1051 SOUTH ‘A’ STREET, STARTING AT 7:00 PM)

January	20	Regular Board Meeting (Note: only ONE meeting in January)
February	3	Regular Board Meeting
	17	Regular Board Meeting
March	2	Regular Board Meeting
	16	Regular Board Meeting
April	20	Regular Board Meeting (Note: only ONE meeting in April)
May	4	Regular Board Meeting
	18	Regular Board Meeting
June	1	Regular Board Meeting
	22	Regular Board Meeting
July		District Dark – No meeting in July
August	3	Regular Board Meeting
	24	Regular Board Meeting
September	7	Regular Board Meeting
	21	Regular Board Meeting
October	5	Regular Board Meeting
	19	Regular Board Meeting
November	2	Regular Board Meeting (Note: only ONE meeting in November)
December	7	Regular Board Meeting – Organizational Meeting of the Board (Note: only ONE meeting in December)

The meeting schedule shown above is subject to change at any time.

NOTE: Changes are indicated in italics/bold.

Board Approved: 12-09-15

Mission: “Ensure a culturally diverse education for each student in a safe, healthy and supportive environment that prepares students for college and career opportunities.”