LOS VALLES PROJECT

Draft Environmental Impact Report

Volume XIV – Appendices

SCH No. 2013121056
Project No. 98-034
Revised Vesting Tentative Tract No. 52584
Variance No. 201300003
Conditional Use Permit No. 201300081
Oak Tree Permit No. 201300023
Environmental Assessment No. 201300138

Lead Agency:

County of Los Angeles
Department of Regional Planning
Land Divisions
320 West Temple Street, Room 1362
Los Angeles, CA 90012

Prepared by:

Impact Sciences, Inc.
28 N. Marengo Avenue
Pasadena, CA 91101

March 2016

APPENDIX 5.8-7

EPA Identification Documentation

Department of Toxic Substances Control

Linda S. Adams
Secretary for
Environmental Protection

Maureen F. Gorsen, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Arnold Schwarzenegger
Governor

ATTN: EVAN LUTZ
LOS VALLES LAND & GOLF
233 WILSHIRE BLVD STE 800
SANTA MONICA CA 90401

EPA ID Number Issued: January 26, 2007
Location Address:
28909 HASLEY CANYON RD
CASTAIC CA 9138400

PERMANENT RECORD - DO NOT DESTROY
YOUR CALIFORNIA EPA IDENTIFICATION NUMBER IS:

CAL000315773

This is to acknowledge that a permanent California Environmental Protection Agency Identification (EPA ID) Number has been assigned to your place of business.

An EPA ID Number is assigned to a person or business at a specific site. It is only valid for the location and person or business to which it was assigned. If your business has multiple generation sites, each site must have its own unique number. If you stop handling hazardous waste, move your business, change ownership, change mailing address, or change the type or amount of waste you handle, you must notify the Department of Toxic Substances Control immediately. If your business has moved, your EPA ID Number must be canceled. A new number must be obtained for your new location if you continue to generate hazardous waste.

This EPA ID Number must be used for all manifesting, record keeping, and reporting requirements.
Please retain this notice in your files.

Department of Toxic Substances Control
Hazardous Waste Management Program
Generator Information Services Section
Telephone: (916) 255-1136 or California Only Toll-free Number: (800) 618-6942

Operator's Initials: PMIKLAT

version: July 2006

Printed on Recycled Paper

Linda S. Adams
Secretary for
Environmental Protection

Department of Toxic Substances Control

Maureen F. Gorsen, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

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Important Information for ID Number Holders

NOTE: MANIFEST CHANGES OCCURRED ON SEPTEMBER 5, 2006. IMPORTANT INFORMATION IS ENCLOSED. PLEASE READ IMMEDIATELY AND KEEP ON FILE.

PLEASE CAREFULLY READ ALL OF THE INFORMATION IN THIS PACKET.

You have been issued a permanent ID number for the generation, transportation and/or disposal of hazardous waste. Your ID number must be used for all manifesting, record keeping and reporting requirements.

As a holder of a permanent ID number, you are required by law to respond to the annual business information verification process and pay an annual ID number verification fee, if applicable. If you generate hazardous waste at your business location and use manifests to ship it from your site to a disposal facility, you may also be required to pay manifest fees. Please visit our web page additional information on ID numbers, manifests and fees at http://www.dtsc.ca.gov/IDManifest/index.cfm

If you move your business or have a change in ownership you may need a new ID number. For information on how to update any of your information or apply for a new California ID number go to our website at http://www.dtsc.ca.gov/IDManifest/index.cfm.

The Department of Toxic Substances Control's (DTSC) Hazardous Waste Tracking System (HWTS) is available at www.hwts.dtsc.ca.gov HWTS has reports to find ID numbers, businesses, manifest data and waste produced in the State.

You can also get fact sheets, news releases, regulations, public notices, information about managing hazardous waste, and pollution prevention at DTSC's website. The web address is www.dtsc.ca.gov

(12/06)

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Hazardous Waste Fee Information

BOARD OF EQUALIZATION

ENVIRONMENTAL FEES DIVISION
PO Box 942879
Sacramento, CA
94279-0057
(916) 323-9555

BOE INFORMATION CENTER
Monday – Friday
8:00a.m. – 5:00p.m.

1-800-400-7115

1-800-735-2929
(from TDD phone)

BOE WEBSITE

www.boe.ca.gov

The State Board of Equalization administers five hazardous waste fee programs in cooperation with the Department of Toxic Substances Control. As a result, if you are required to obtain a federal or state EPA ID number you may also be responsible for additional fees imposed by the State of California.

If you generate or produce five (5) or more tons of hazardous waste per calendar year, regardless of the final disposition of the waste, you should contact the State Board of Equalization to obtain a hazardous waste tax generator fee account number. Utilization of a waste hauler or a hazardous waste contractor to remove your hazardous waste does not relieve you of the liability for the fees which result from the generation and/or disposal of your hazardous waste. Please refer to our Regulation 3000, Generator of Hazardous Waste available on our website at www.boe.ca.gov or to obtain a copy call the Board's Information Center toll free at 1-800-400-7115.

If you have questions about the Hazardous Substances Tax Law or to apply for a fee account, please call us at (916) 323-9555

Or write:

Environmental Fees Division, MIC:57
State Board of Equalization
PO Box 942879
Sacramento, CA 94279-0057

For additional information regarding the Generator Fee program or any other Special Tax Programs administered by the Board of Equalization please visit our website at www.boe.ca.gov. This site will provide you with forms, publications, newsletters, proposed legislation, and links to other government sites.

STATE REQUIREMENTS AND INSTRUCTIONS FOR GENERATORS HOLDING CALIFORNIA ISSUED ID NUMBERS

PLEASE NOTE: FEDERAL AND STATE HAZARDOUS WASTE MANIFEST REGULATIONS CHANGED ON SEPTEMBER 5, 2006. The U.S. Environmental Protection Agency (U.S. EPA) revised the Uniform Hazardous Waste Manifest and requires the use of only the new version nationally after September 4, 2006. States will no longer be allowed to modify the form or the instructions. Old versions of the California manifest, or manifests from other states may not be used after September 4, 2006. Enclosed is important information you should read and save as a reference.

California is not printing or selling the new manifest forms. Forms are available only from private printers approved by U.S. EPA. U.S. EPA posts approved printers on their website at www.epa.gov/epaoswer/hazwaste/gener/manifest/registry

SMALL QUANTITY GENERATOR INFORMATION

From this point forward any reference to manifests applies to the new national manifest.

The term "Small Quantity Generator" is a federally defined term, but we will use it here for ease of reading. Small Quantity Generators are persons or businesses that generate monthly quantities of hazardous waste, not including Universal Waste (see page 6) that are greater than 100 kilograms (about 220 lbs) but less than 1,000 kilograms (2,200 lbs). Technically, the term only applies to persons that generate federally regulated (Resource Conservation and Recovery Act, or "RCRA") waste, but the following state and federal requirements apply to all businesses that generate less than 1,000 kg of hazardous waste in any calendar month.

If you're not sure how much these metric measures represents, 1,000 kg is about 250 gallons of water, or about five 55-gallon drums, 100 kg equals about 27 gallons of water, which is about one-half of a 55-gallon drum, and one kg equals one liter, which is a bit more than a quart. The term "month" or "monthly" refers to any calendar month.

General Requirements

a. Determine if the waste you generate is hazardous waste. Universal waste should not be included in the calculations. [(Chapter 12, Section 66262.11, Title 22, California Code of Regulations (CCR)].

b. Track the amount of waste that you generate in each calendar month to make sure you are a small quantity generator. Do not use a monthly average.

c. If you generate more than 100 kg of RCRA waste in any calendar month, you must use a federally issued EPA Identification Number (EPA ID Number). If you generate up to 100 kg of RCRA waste, you must use a California ID number. If you generate any amount of California only waste you must use a California ID number. Check the DTSC fact sheet "EPA Identification Numbers," for further information about the differences between the numbers. The fact sheet is available at http://www.dtsc.ca.gov/IDManifest/ID_Numbers.cfm .

d. You should inform your local Certified Unified Program Agency (CUPA) that you are a small quantity generator of hazardous waste. A list of CUPAs is available at http://www.calepa.ca.gov/CUPA/CUPAMail.htm

Rules on Accumulation Times

1. If you generate less than 1,000 kg of hazardous waste per month, you may accumulate waste on-site in containers or tanks for no more than 180 days except as noted in subsections 2 and 3 below. If you generate more than 100 kg of waste in a month, the 180-day period begins on the date the waste first begins to accumulate. If hazardous waste is accumulated in tanks, a generator must comply with federal regulations in Title 40 Code of Federal Regulations, sections 262.34(f) and 265.201 as it applies to small quantity generator tank requirements. Any amount of acutely or extremely hazardous waste can be accumulated onsite for only 90 days. However, if the total amount of hazardous waste that your site generates in a calendar month is 100 kg or less (or 1 kg of acutely or extremely hazardous (EH) waste), the accumulation time period begins on the date that the 100 kg of hazardous waste or one kg of acutely or extremely hazardous waste limit is reached.

The Generator Accumulation fact sheet provides additional information you may need.
http://www.dtsc.ca.gov/HazardousWaste/upload/HWM_FS_Accumulating_HazWaste_Generators.pdf .

In addition the Generator Requirements fact sheet has general information.
http://www.dtsc.ca.gov/HazardousWaste/upload/HWM_FS_Generator_Requirements.pdf

a. The date that you begin accumulating waste must be clearly marked on the container, portable tank or tank as soon as you place waste in it, and the date must be visible for inspection (Chapter 12, Section 66262.34 (f)(1) & (2), Title 22, CCR)

b. All containers, portable tanks and tanks that hold hazardous waste must be labeled. Chapter 12, Section 66262.34 (f)(3), Title 22, CCR).

Each container, portable tank and tank must be labeled or marked clearly with the words "Hazardous Waste", the accumulation start date (as discussed in (a)) and the generator's ID number. If you are accumulating waste in containers or portable tanks, the label must include the following additional information:

(1) Composition and physical state of the waste.
(2) Statement or statements that call attention to the particular hazardous properties of the waste (e.g., flammable, reactive, etc.)
(3) Name and address of person or company producing the waste. (Chapter 12, Section 66262.34(f) (1), (2), (3), (A), (B) & (C), Title 22, CCR)

2. Small quantity generators whose businesses are long distances (200 miles or farther) away from their waste treatment, storage and disposal facilities may accumulate their waste onsite for up to 270 days if all of the following apply:

   a. The quantity of hazardous waste accumulated onsite never exceeds 6,000 kg.

   b. The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kg for more than 90 days.

   c. The generator complies with the requirements of subdivisions (d), (e) and (f) of Section 262.34 of Title 40 of the Code of Federal Regulations.

3. Satellite accumulation: A generator may also hold, at an accumulation area, up to 55 gallons of hazardous waste for more than 180 days if all of the following requirements are met with respect to the 55 gallons or one quart of acutely or extremely hazardous waste:

   a. The generator must not hold the accumulated waste onsite for more than one year from the initial date of accumulation;

   b. The generator may only accumulate the waste in containers, not tanks. The waste must be at or near the area where the waste is generated and which is under the control of the operator of the process generating the waste;

   c. The generator must label the containers used for accumulating the hazardous waste with the words "Hazardous Waste". Labels must also include information on the composition and physical state of the waste, the hazardous properties of the waste, the name and address of person producing the waste and the generator's ID number, plus the initial date;

   d. The generator must comply with the requirements of Sections 66265.171, 66265.172, 66265.173(a), Title 22, CCR;

e. Within 3 days of reaching the 55 gallon/one quart quantity limitation, the generator must:
(1) Date the holding container with the date on which the limit was reached.
(2) Move the waste to the "90/180 -day" accumulation area or offsite, and;
(3) Comply with the requirements of Chapter 12, Article 3, Section 66262.34(a), Title 22, CCR and other applicable provisions. For those facilities that remove their hazardous waste directly from the accumulation area within the three days allowed, this provision does not apply.

RULES FOR SHIPPING HAZARDOUS WASTE

In some cases your waste could be exempt from manifest requirements. Briefly, those include: Universal waste shipments (see information and link below), some photographic and silver waste and some self-transported waste (50 pounds or five gallons per trip, more if taken to certain household hazardous waste facilities or to used oil recycling centers or facilities.

CESQGs: Conditionally exempt small quantity generators (not more than 100 kg in any month) may be eligible for certain transportation allowances. These generators are allowed to take up to a total volume of 5 gallons or not to exceed a total weight of 50 pounds to a permitted facility if they meet the requirements given in Section 25163(c) of the Health and Safety Code. Only generators that do not accumulate more than 1,000 kg onsite at any one time can use this provision. (All extremely or acutely hazardous wastes generated by any business must be shipped on a manifest only.)

In addition, a business that meets the federal definition of Conditionally Exempt Small Quantity Generator found in 40 CFR Section 2615 may be able to dispose of their hazardous waste at certain household hazardous waste facilities. Contact a household hazardous waste facility in your area to find out if business-generated waste is accepted and what the transportation limits are. You can find a program in http://www.ciwmb.ca.gov/hhw/Directory/default.aspx.

As a generator, you can use consolidated manifesting to dispose of your hazardous waste. Consolidated manifesting exempts you from filling out a hazardous waste manifest. A consolidated transporter completes both the generator and transporter sections of the manifest and leaves a receipt or bill of lading for your records. You can find more information about rules pertaining to generators using consolidated manifesting at http://www.dtsc.ca.gov/HazardousWaste/Transporters/index.cfm

1. When shipping hazardous waste off your premises you must:

   a. Use only transporters that have registered with DTSC and have obtained an ID number. (Chapter 12, Section 66262.12(c), Title 22, CCR)

b. Comply with Department of Transportation (DOT) requirements for packaging, labeling, and marking. (Chapter 12, Section 66262.30, 66262.31, 66262.32 and 66262.33, Title 22, CCR). DOT also requires that the packager of waste be trained.

c. Ship waste only to hazardous waste facilities approved for your waste type. (Chapter 12, Section 66262.20(b) & (c), title 22 CCR)

2. Use of the manifest. Federal and State hazardous waste manifest regulations changed on September 5, 2006. Use of the new national manifest is mandatory beginning on September 5, 2006. Please see the enclosed material entitled "*Supplemental California Manifest Instructions*". DTSC has a dedicated manifest page on its website at http://www.dtsc.ca.gov/IDManifest/Manifests.cfm .

   California is not printing or selling the new manifest forms. Forms are available only from private printers approved by U.S. EPA. Approved printers are posted on their website at www.epa.gov/epaoswer/hazwaste/gener/manifest/registry .

   When you sign the manifest, you are certifying that the information on it is correct, so take care in reviewing it if someone else has filled it out for you. After you have signed item 15 of the completed manifest, the transporter will sign item 17 and give you two copies. **You are required to send a photocopy of the manifest to DTSC within 30 days of each shipment** (Chapter 12, Section 66262.23, Title 22, CCR).

   When the designated treatment, storage or disposal facility (TSDF) receives and accepts your waste, their representative will sign item 20 on the manifest. California facilities are required to send the completed copy of the manifest to DTSC, and send a copy to the generator. You must keep your generator's initial copy of the manifest (that the transporter gave you) until the completed and signed copy is returned by the designated receiving TSDF. You are required to keep each completed and signed manifest returned from the designated receiving facility for at least three years. (Chapter 12, Section 66262.40(a), Title 22, CCR). Facilities in other states are required to submit copies to DTSC when waste generated in California is received out of state.

   If you are a generator of greater than 1000 kg per month and you do not receive a copy of the manifest signed by the TSDF representative within 45 days of the date the waste was accepted by the initial transporter, you are required to file an Exception Report with DTSC. If you are a generator of less than 1000 kg per month and you do not receive a copy of the manifest signed by the TSDF representative within 60 days of the date the waste was accepted by the initial transporter you are required to file an Exception Report with DTSC. Please send a legible copy of the manifest with a cover letter explaining what you did to locate the hazardous waste and the results of your efforts. Please send your Exception Report to: DTSC Report Repository, Generator Information Services Section, P.O. Box 806, R1-4, Sacramento, CA 95812-0806. A copy of the Exception

Report must be retained in your records for three years. (Chapter 12, section 66262.42(b), title 22, CCR)

UNIVERSAL WASTE

Universal wastes are hazardous wastes that are generated by a wide variety of people every day. Since February 8, 2006, universal waste may not be discarded in solid waste landfills. Scientists at DTSC have found that these wastes will leak toxic substances, mostly metals, in a typical landfill. Some examples of universal waste include: batteries, fluorescent tubes (lamps), electronic devices (cell phones, computers, televisions), cathode ray tubes (CRTs) (computer monitors, televisions), mercury wastes (thermometers and toys), and non-empty aerosol cans. Additional information can be found at:
http://www.dtsc.ca.gov/HazardousWaste/UniversalWaste/Res_UW_General.cfm

Many local government agencies run programs that help households and small businesses recycle or properly dispose of their hazardous wastes. Some retailers collect certain universal wastes, such as batteries, electronics and fluorescent light tubes. For information on local collection programs, contact your municipal waste service provider, or local household hazardous waste program. You can check http://www.earth911.org for a universal waste collection program near you. Use the toolbar on the left to navigate the site.

MANIFEST ERRORS AND THE MANIFEST CORRECTION PROCESS

DTSC receives numerous manifests with errors. It is extremely important that the information you complete and sign for on each manifest is accurate. If your transporter, service provider or your office staff completes a manifest for you, please check the accuracy of the information printed on the manifest before signing it and releasing the waste for transport. Per Health and Safety Code section 25160.5, DTSC is authorized to charge a $20 manifest correction fee per each incomplete or improperly completed manifest. The most common errors are transposed digits in EPA ID numbers, incorrect or incomplete dates with the signatures, (past or future dates), missing waste codes or quantities.

If you discover that you have made an error on a manifest, you should immediately notify DTSC of the error(s). DTSC does not charge the $20 manifest correction fee if you submit the manifest correction letter before being notified by DTSC of the manifest error. Following are specific guidelines for manifest corrections.

To submit a letter, please provide the manifest corrections on company letterhead, and include the following information:

1. Manifest Tracking Number; either 8-digits (pre-Sept. 5, 2006 shipments, DTSC 8022A), or the unique three-letter suffix preceded by nine numerals which is pre-printed in Item 4 of the manifest (shipments on or after September 5, 2006, EPA 8700-22, new national form).
2. Generator date; the date the generator signed the manifest.

3. Generator EPA ID number used on the original manifest, even if it was incorrect.
4. The incorrect or incomplete item number from the manifest.
5. The corrected information.
6. Signature, title, mailing address, and phone number of person submitting the correction.

Note: One manifest correction letter that corrects several manifests is sufficient provided it contains the items listed above for each manifest. Mail manifest correction letters to:

Department of Toxic Substances Control
Generator Information Services Section
Attention: Manifest Corrections
P. O. Box 806, MS R1-4
Sacramento, CA 95812-0806

More information on hazardous waste manifests can be found at http://www.dtsc.ca.gov/IDManifest/Manifests.cfm.

FEDERAL HAZARDOUS WASTE INFORMATION

The U.S. Environmental Protection Agency's Office of Solid Waste has developed a web-based document, entitled the Hazardous Waste Generator Reference Document. It is intended to serve as a reference regarding the current Resource Conservation and Recovery Act (RCRA) hazardous waste generator regulatory requirements. The document is available at http://www.epa.gov/epaoswer/osw/gen_trans/tool.pdf . This is an excellent reference document; however it does not contain supplemental information that explains how California requirements are different. In addition, it is a very large document, so we do not recommend that you print it first. We encourage you to start with these two DTSC fact sheets.

The first fact sheet is entitled *Hazardous Waste Generator Requirements* http://www.dtsc.ca.gov/HazardousWaste/upload/HWM_FS_Generator_Requirements.pdf and the second fact sheet is *Accumulating Hazardous Waste at Generator Sites* http://www.dtsc.ca.gov/HazardousWaste/upload/HWM_FS_Accumulating_HazWaste_Generators.pdf . You can go to the federal document shown above and search for the information that is of interest to you.

DTSC's Regulatory Assistance Officers are available to answer your questions. They are located throughout the State and can be reached at (800) 728-6942.

Linda Adams
Agency Secretary
Cal/EPA

Department of Toxic Substances Control

Maureen F. Gorsen, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Arnold Schwarzenegger
Governor

May 19, 2006

CRITICAL HAZARDOUS WASTE MANIFEST CHANGES
COMING SEPTEMBER 5, 2006

To All Hazardous Waste Handlers,

Federal and state hazardous waste manifest regulations change on September 5, 2006, and require you to use a new manifest form.

- **IF YOU MANIFEST HAZARDOUS WASTE, WE URGE YOU TO BECOME FAMILIAR WITH THESE NEW REQUIREMENTS TO DETERMINE HOW THEY AFFECT YOU AND YOUR BUSINESS.**
- **If you are a generator that uses a Consolidated Transporter and never directly manifest hazardous wastes, these changes will not affect you.**
- **If you only ship Universal Waste and do not manifest now, these changes do not affect you.**

What Are the Major Changes? U.S. EPA revised the Uniform Hazardous Waste Manifest and mandated its use throughout the nation, replacing all state versions. You cannot use current versions of California's manifest or manifests from other states for shipments that start after September 4, 2006.

However, the new six-page manifest form is different. It is not color-coded and does not include a copy for generators to submit to the state. You must purchase manifests printed by a U.S. EPA-approved printer for shipping wastes on and after September 5, 2006. DTSC will not print manifests.

The new U.S. EPA manifest rules also change the hazardous waste label but you can use your current supply of labels as long as it contains the Generator ID number. Please see the Supplemental Instructions (attached) and fact sheet (online) for detailed changes including new handling codes, now called HW Report Management Method codes. Carefully review the form and federal instructions on our website to determine how the changes impact you. ***Supplemental California Manifest Instructions* contain instructions that WILL NOT APPEAR on the new federal manifest. *Retain these supplemental instructions!***

For More Information: **Go to DTSC's webpage at www.dtsc.ca.gov/IDManifest.** Send comments and questions to CAManRegs@dtsc.ca.gov or call the DTSC Public and Business Liaisons at 1-800-72-TOXIC. Your transporter and facility are also sources of manifest information.

Training Workshops This Summer: DTSC will present training workshops in coordination with the California Waste Association (CWA), the Independent Waste Oil Collectors and Transporters Association (IWOC) and other business groups. For only the CWA sessions (in June and July), register on line at **www.go2cwa.org or call 562-983-8142.** For dates and times, and for online copies of the training slides and handouts, check DTSC's website. Your local agencies (CUPAs) may also offer training. Please check with them.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Manifest Tracking Number

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.					
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

OSP 06 96210

California Environmental Protection Agency

Department of Toxic Substances Control

Effective 09/05/2006

Supplemental California Manifest Instructions

Federal and State hazardous waste manifest regulations change on **September 5, 2006**.

Detailed manifest instructions are printed on the back of the new federal manifest. These Supplemental California Instructions cover additional California requirements. Please use the instructions printed on the new manifest for item by item directions. Materials are available at www.dtsc.ca.gov (under Managing Hazardous Waste, Manifests), including fact sheets and California's manifest regulations, sample manifests, and federal instructions. For load rejections and consolidated manifesting, refer to the regulations and fact sheets.

IMPORTANT MANIFEST CHANGES - PLEASE READ AND SAVE AS A REFERENCE

The U.S. Environmental Protection Agency (EPA) revised the Uniform Hazardous Waste Manifest and requires the use of only the new version nationally after September 4, 2006. **States will no longer be allowed to modify the form or the instructions.** Old versions of the California manifest, or manifests from other states, **may not be used after September 4, 2006**. The new manifest form is no longer color coded, and the new six-part form does not include a copy for generators to submit to their state, although California requires generator to submit a copy.

Additional Information and Instruction Changes:

- Adds space for emergency response number;
- Adds Generator's site address;
- Allows up to six waste codes for each waste stream;
- Adds a check box to indicate if waste stream is U.S. DOT regulated;
- Adds space for import/export information;
- Adds room for destination facilities to note discrepancies or if container residues exceed empty levels;
- Adds a new field for a manifest reference number when waste is rejected or if container residues are shipped on a new manifest;
- Adds a separate field for alternative facility information and signatures;
- Uses HW Report Management Codes to replace handling codes;
- Prohibits the use of fractions or decimal points in waste quantities in Item 10; and
- Discourages use of large quantity units in Item 11 (e.g. tons or cubic yards) when other units, i.e. pounds, are more accurate.

Where Do I Mail Manifests?

Same P.O. Boxes - No Change

GENERATORS SEND TO:

DTSC Generator Manifests
P.O. Box 400
Sacramento, CA 95812-0400

TSDFs/DESTINATION FACILITIES SEND TO:

DTSC Facility Manifests
P.O. Box 3000
Sacramento, CA 95812-3000

Where Do I Get Manifests?

California will not sell the new manifest forms. Forms are available only from private printers approved by EPA. EPA posts approved printers at www.epa.gov/epaoswer/hazwaste/gener/manifest/registry/index.html.

Generators Must Submit Manifest Copies!

California requires generators and permitted transfer, treatment, storage, and disposal Facilities (Facilities) to submit manifests. The federal manifest form does not include a Generator-to-State submittal page, like the old manifest does (the blue page). Within 30 days of shipping the waste, generators must submit a copy of each manifest to DTSC. This copy could either be a legible photocopy or the "Generator Retains" copy, if generators receive a signed facility copy back within 30 days. Generators may submit a copy of the "Generator Retains" copy (page 6), the top page (the most legible one - page 1), or any other page, as long as it is readable **and legible**.

What About Submitting Manifests for Rejected Loads?

Generators should send copies of manifests they sign when **receiving** rejected waste or container residues to the Department of Toxic Substances Control's (DTSC) Facility Manifests at P.O. Box 3000. Facilities **signing** new manifests for rejected loads should submit the generator copy to DTSC Generator Manifests at P.O. Box 400. See the rejected load fact sheet on DTSC's web site.

How Are California Manifest Requirements Different from Federal?

- California requires conditionally exempt small quantity generators to use manifests and regulates more waste as hazardous.
- DTSC uses the submitted generator and facility manifest copies for cradle-to-grave tracking of waste.
- California's definition of an "empty" container is more stringent. Non-empty containers must be manifested, including bulk containers, whether the waste is federal RCRA or non-RCRA.
- Facilities in other states are required to submit copies to DTSC when waste generated in California is received out of state. Out of State generators sending waste to California facilities, or that will be exported through California, are encouraged to submit manifest copies.

Where Do I Find California Waste Codes?

The new manifest has six blank boxes for waste codes for each waste stream.
If the waste is RCRA regulated, at least one box must include a RCRA waste code. For waste generated in or shipped to California, a CA state waste code is also required. The additional boxes are for other states' codes when the waste is sent out of state to a state with codes, or for extra RCRA codes. California Waste Codes are printed on the reverse side of these instructions only, not on the instructions printed on the manifest. They are also found in Title 22, California Code of Regulations, Appendix XII to Chapter 12 of Division 4.5.

What are Hazardous Waste Report Management Method Codes (HWRMM Codes)?

Previously, California's manifest instructions required Destination Facilities to use one of 10 handling codes to report how the waste was handled at that facility. The new manifest uses 28 Management Method Codes. These are the same codes used in Biennial Reports. One of the HWRMM codes shown on the other side must be added on the manifest by the **Destination Facilities only. Generators and transporters do not add these codes.**

Contact Information:

First, visit the DTSC web page at www.dtsc.ca.gov/IDManifest for training information and review the basic instructions printed on the manifest. This document includes Supplemental Instructions only for use in California. For more information, contact your transporter or facility, or call DTSC's Public and Business Liaisons at 800-72-TOXIC.

CALIFORNIA WASTE CODES

California Restricted Wastes – Use First, if applicable	
711	Liquids with cyanides ≥ 1000 mg/l
721	Liquids with arsenic ≥ 500 mg/l
722	Liquids with cadmium ≥ 100 mg/l
723	Liquids with chromium (VI) ≥ 500 mg/l
724	Liquids with lead ≥ 500 mg/l
725	Liquids with mercury ≥ 20 mg/l
726	Liquids with nickel ≥ 134 mg/l
727	Liquids with selenium ≥ 100 mg/l
728	Liquids with thallium ≥ 130 mg/l
731	Liquids with polychlorinated biphenyls ≥ 50 mg/l
741	Liquids with halogenated organic compounds ≥ 1000 mg/l
751	Solids or sludges with halogenated organic comp. 1000 mg/kg
791	Liquids with pH ≤ 2
792	Liquids with pH ≤ 2 with metals
801	Waste potentially containing dioxins

CALIFORNIA NON-RESTRICTED WASTES

Inorganics	
121	Alkaline solution (pH ≥12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
122	Alkaline solution without metals (pH ≥ 12.5)
123	Unspecified alkaline solution
131	Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)
132	Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)
133	Aqueous solution with 10% or more total organic residues
134	Aqueous solution with <10% total organic residues
135	Unspecified aqueous solution
141	Off-specification, aged, or surplus inorganics
151	Asbestos-containing waste
161	Fluid-cracking catalyst (FCC) waste
162	Other spent catalyst
171	Metal sludge (see 121)
172	Metal dust (see 121) and machining waste
181	Other inorganic solid waste

Organics	
211	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
212	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
213	Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
214	Unspecified solvent mixture
221	Waste oil and mixed oil
222	Oil/water separation sludge
223	Unspecified oil-containing waste
231	Pesticide rinse water
232	Pesticides and other waste associated with pesticide production
241	Tank bottom waste
251	Still bottoms with halogenated organics
252	Other still bottom waste
261	Polychlorinated biphenyls and material containing PCB's
271	Organic monomer waste (includes unreacted resins)
272	Polymeric resin waste
281	Adhesives
291	Latex waste
311	Pharmaceutical waste
321	Sewage sludge
322	Biological waste other than sewage sludge
331	Off-specification, aged, or surplus organics
341	Organic liquids (nonsolvents) with halogens
342	Organic liquids with metals (see 121)
343	Unspecified organic liquid mixture
351	Organic solids with halogens
352	Other organic solids

Sludges	
411	Alum and gypsum sludge
421	Lime sludge
431	Phosphate sludge
441	Sulfur sludge
451	Degreasing sludge
461	Paint sludge
471	Paper sludge/pulp
481	Tetraethyl lead sludge
491	Unspecified sludge waste

Miscellaneous	
511	Empty pesticide containers 30 gallons or more
512	Other empty containers 30 gallons or more
513	Empty containers less than 30 gallons
521	Drilling mud
531	Chemical toilet waste
541	Photochemicals / photoprocessing waste
551	Laboratory waste chemicals
561	Detergent and soap
571	Fly ash, bottom ash, and retort ash
581	Gas scrubber waste
591	Baghouse waste
611	Contaminated soil from site clean-ups
612	Household waste
613	Auto shredder waste

HW REPORT MANAGEMENT METHOD CODES

New Codes	Descriptions
H010	Metals recovery including retorting, smelting, chemicals, etc.
H020	Solvents recovery
H039	Other recovery of reclamation for reuse including acid regeneration, organics recovery, etc.
H050	Energy recovery at this site -- use as fuel (includes on-site fuel blending)
H061	Fuel blending prior to energy recovery at another site
H040	Incineration--thermal destruction other than use as a fuel
H071	Chemical reduction with or without precipitation
H073	Cyanide destruction with or without precipitation
H075	Chemical oxidation
H076	Wet air oxidation
H077	Other chemical precipitation with or without pre-treatment
H081	Biological treatment with or without precipitation
H082	Adsorption
H083	Air or steam stripping
H101	Sludge treatment and/or dewatering
H103	Absorption
H111	Stabilization or chemical fixation prior to disposal at another site
H112	Macro-encapsulation prior to disposal at another site
H121	Neutralization only
H122	Evaporation
H123	Settling or clarification
H124	Phase separation
H129	Other treatment
H131	Land treatment or application (to include on-site treatment and/or stabilization)
H132	Landfill or surface impoundment that will be closed as landfill (to include on-site treatment and/or stabilization)
H134	Deepwell or underground injection (with or without treatment)
H135	Discharge to sewer/POTW or NPDES (with prior storage--with or without treatment)
H141	Storage, bulking, and/or transfer off site--no treatment/recovery (H010-H129), fuel blending (H061), or disposal (H131-H135) at this site

APPENDIX 5.8-8

Site Investigation Summary Report, May 2006

Environmental Resources Management

3 Hutton Centre
Suite 600
Santa Ana, CA 92707
(714) 430-1476
(714) 436-2940 (fax)

31 May 2006

Via U.S. & Electronic Mail

Ms. Kim Clark
County of Los Angeles Fire Department
Health Hazardous Materials Division
5825 Rickenbacker Road
Commerce, California 90040-3027

Subject: Site Summary Report
28801 Hasley Canyon Road
Castaic, California

Dear Ms. Clark:

As requested by the Los Angeles County Fire Department (LACFD), ERM-West, Inc. (ERM), on behalf of Los Valles Company, Inc. (Los Valles), is submitting a site summary report to document site investigation and remediation activities conducted at the Los Valles site in Castaic, California. The overall purpose of this cover letter and report is to summarize environmental activities completed at the site and to provide justification for transitioning site remediation activities from an active to a passive phase.

The 432-acre site is located along the north flank of Hasley Canyon, approximately 3 miles northwest of the city of Santa Clarita and east of Sloan Canyon, in the Castaic Hills area of the western San Gabriel Mountains. The site is largely undeveloped, but contains a number of graded dirt roads and three approximately one-acre graded areas (pads) that were historically used to support oil production activities. A total of ten oil wells were previously operated on the pads. The oil production wells, installed in the 1970s or 1980s, were closed and properly abandoned in April 2003. The California Department of Oil and Gas (D.O.G.) reviewed closure reports and issued written approval for the well closures. Previous oil production activities resulted in potential environmental impacts at these three areas. The three former production areas are referred to as:

1. AEO Lease – Burns/Crist (AEO Pad);
2. SADD Lease – North Pad; and
3. SADD Lease - South Pad.

Los Valles is in the process of developing the site as a residential and recreational, mixed-use development consisting of single-family, custom luxury homes and a championship golf course. No homes are proposed above the areas containing impacted soil. The land directly above the impacted areas will be used for the planned golf course.

Since early 2003, Los Valles has completed the following tasks to evaluate impacted materials at the site:

- Abandonment and closure of oil wells;
- Phase I Environmental Site Assessment;
- Limited Phase II Site Investigation;
- Pipeline removal; and
- Investigation of subsurface petroleum hydrocarbon impacts.

Total petroleum hydrocarbon (TPH) impacted soil was identified at the site, primarily at the SADD Lease – North Pad. A Remedial Action Plan (RAP) was prepared and approved by the LACFD in 2004 to propose remedial activities designed to address impacted soil present at the site. The overall objective of the remediation program was to eliminate potential exposure to constituents of concern (COCs).

Potential exposure pathways to COCs, based on proposed land use, included

- Direct contact with impacted soil;
- Ingestion of impacted soil;
- Inhalation of impacted air; and
- Ingestion of impacted groundwater.

A combination of concentration (conservative baseline target objectives) and performance-based criteria was used to determine when remediation activities would be complete, such as:

- Mass removal;
- Asymptotic recovery during best available technology application; and
- Risk reduction/elimination.

To achieve the RAP objectives, a set of interrelated remediation activities was proposed, including excavation, active soil venting, passive soil venting, and groundwater monitoring. Excavation activities were intended to minimize the dermal and soil ingestion pathways by removing the potential for direct contact to future site users and construction workers. Active and passive soil venting addresses the inhalation and groundwater ingestion pathways, as well as groundwater protection by removing the mobile COCs.

The RAP proposed soil excavation up to 10 feet below ground surface for the impacted areas. To remediate the remaining impacted soil, a soil venting program was proposed for both the North and South Pads. Two phases were proposed for the soil venting program, (1) an active phase where a soil vapor extraction (SVE) system extracted vapors, via vacuum, from the soil through a network of vapor extraction wells for treatment; and (2) a passive phase where the wells are simply vented to the atmosphere. Transitioning from active to passive venting would occur once active venting reaches asymptotic levels for influent concentration and mass removal rates. A groundwater well installation and monitoring program was proposed to assess groundwater quality.

To date, Los Valles has completed the following remedial activities:

- Excavation and off-site disposal of shallow impacted soil;
- Installation of a vapor barrier at the bottom of the excavation and directly over the residual impacted soil;
- Installation and operation of an active soil venting system (i.e., SVE and treatment system);
- Evaluation of current potential health risks related to residual impacted soil; and
- Groundwater monitoring.

The completed excavation and backfilling activities created a minimum of 10 feet of buffer soil from the shallowest residual impacted soil from potential receptors, in effect, eliminating the direct contact with impacted soil and ingestion of impacted soil exposure pathways. The excavation activities covered minor stained soil at the AEO Pad and over 1,000 cubic yards of shallow soil at the SADD Lease-North and South Pads. Additionally, shallow pipelines were removed throughout the site.

The vapor barrier and active soil venting activities completed to date greatly reduced the potential risks to future site receptors (including nearby residences, golf course workers and visitors, and construction workers) from an inhalation of impacted air perspective. Active soil venting activities were performed at the SADD Lease-North Pad, which removed over 14,600 pounds of hydrocarbons from the subsurface. Mass removal rates and system influent concentrations have decreased by approximately 90 percent or greater and have reached asymptotic conditions.

A screening-level health risk assessment (HRA) was conducted to evaluate whether passive venting of residual impacted soil would pose a health risk to future site users or occupants, considering the proposed golf course and residential development. It should be noted that no residential structures would be built over the impacted areas. The HRA concluded that the maximum predicted individual excess carcinogenic risks at all modeled locations would be well below the Office of Environmental Health Hazards Assessment (OEHHA) recommended significance level. Correspondingly, the non-carcinogenic chronic and acute hazard indices predicted in this analysis have also been shown to be orders of magnitude below the OEHHA recommended significance level. As such, the passive venting of the soil gas wells in the SADD Lease-North and South Pads are not predicted to cause any significant health risk to future residents, workers, or guests during the construction or operation of the proposed golf course.

Los Valles recognizes that the ingestion of impacted groundwater exposure pathway has not been addressed in this letter or attached report. Los Valles has conducted groundwater monitoring at the site since early 2003 and has only observed low (less than the drinking water standards) and sporadic detections of TPH constituents at the site. Los Valles understands that it will need to contact the Regional Water Quality Control Board (RWQCB) to resolve this issue once the soil impacts are addressed with the LACFD.

In summary, impacted soil was identified and characterized at the Los Valles site. Remedial activities have been performed to remove and reduce contaminant mass. A HRA provided confirmation that residual impacted soil poses no significant risks to future site users. In addition, monitoring has demonstrated that groundwater is not significantly impacted and the continuation of the active system will have no net benefit to groundwater quality beneath the site. At this time, Los Valles requests that the LACFD approve the shutdown of the active soil venting system and transitioning to the passive venting phase.

As discussed previously with the LACFD, Los Valles will perform a final round of sampling at the site. This sampling event will consist of two components:

1. Soil sampling at four to six locations, at multiple depths, at the SADD Lease North Pad; and
2. Confirmation soil vapor sampling from all existing passive venting wells.

Los Valles and ERM understand that the LACFD will work with OEHHA to review this document. Submittal of this document is consistent with discussions between the LACFD and Los Valles/ERM in late 2005 and May 2006. We look forward to your response. We will also coordinate the field sampling schedule with the LACFD. If you have any questions regarding this project, please contact me at (714) 430-1476.

Sincerely,

Truong Mai, P.E.
Partner

TTM/taa/0021456.40

cc: Mr. Jeff Kaplinski, Los Valles Company, Inc.
Ms. Amber Sakai, Los Valles Company, Inc.

APPENDIX 5.8-9

Project Summary Report, July 2006

Environmental Resources Management

3 Hutton Centre
Suite 600
Santa Ana, CA 92707
(714) 430-1476
(714) 436-2940 (fax)

13 July 2006

Ms. Amber Sakai
Mr. Jeff Kaplinski
233 Wilshire Blvd, Suite 800
Santa Monica, CA 90401

Subject: Los Valles Company, Inc.

Dear Ms. Sakai and Mr. Kaplinski:

As requested, a summary of the Los Valles project in Castaic, California is presented below.

ERM was contracted in May 2004 to investigate and remediate a 432-acre site that contained past oilfield production operations. The site, which was known to be impacted by diluent and other petroleum hydrocarbons, was scheduled for redevelopment as a new championship-caliber golf course surrounded by 209 custom-built homes. As grading activities were scheduled to begin in 2006, ERM proposed a phased approach including the following components:

1. Active remediation of shallow soil - excavation of impacted soil to 10 feet below ground surface and installation of a vapor membrane;
2. Active remediation of deeper soil - soil vapor extraction and treatment;
3. Passive remediation of deeper soil – soil venting using existing wells; and
4. Groundwater monitoring.

Task 1 is complete. Los Valles has also conducted a human health risk assessment to support a regulatory decision to authorize shutdown of the active soil remediation system (Task 2). The risk assessment concluded that passive soil venting poses no significant health risks to future site users, including golf course workers, golfers, or adjacent residences. The regulatory agencies are currently reviewing the risk assessment report. Lastly, ground water monitoring results indicate that little or no ground water impacts

exist at the site; however, minimal long-term ground water monitoring may be required by the regulatory agencies in the future.

Based on the chemical nature of diluent, the current site conditions do not appear to represent a significant risk to potential site users of the planned redevelopment.

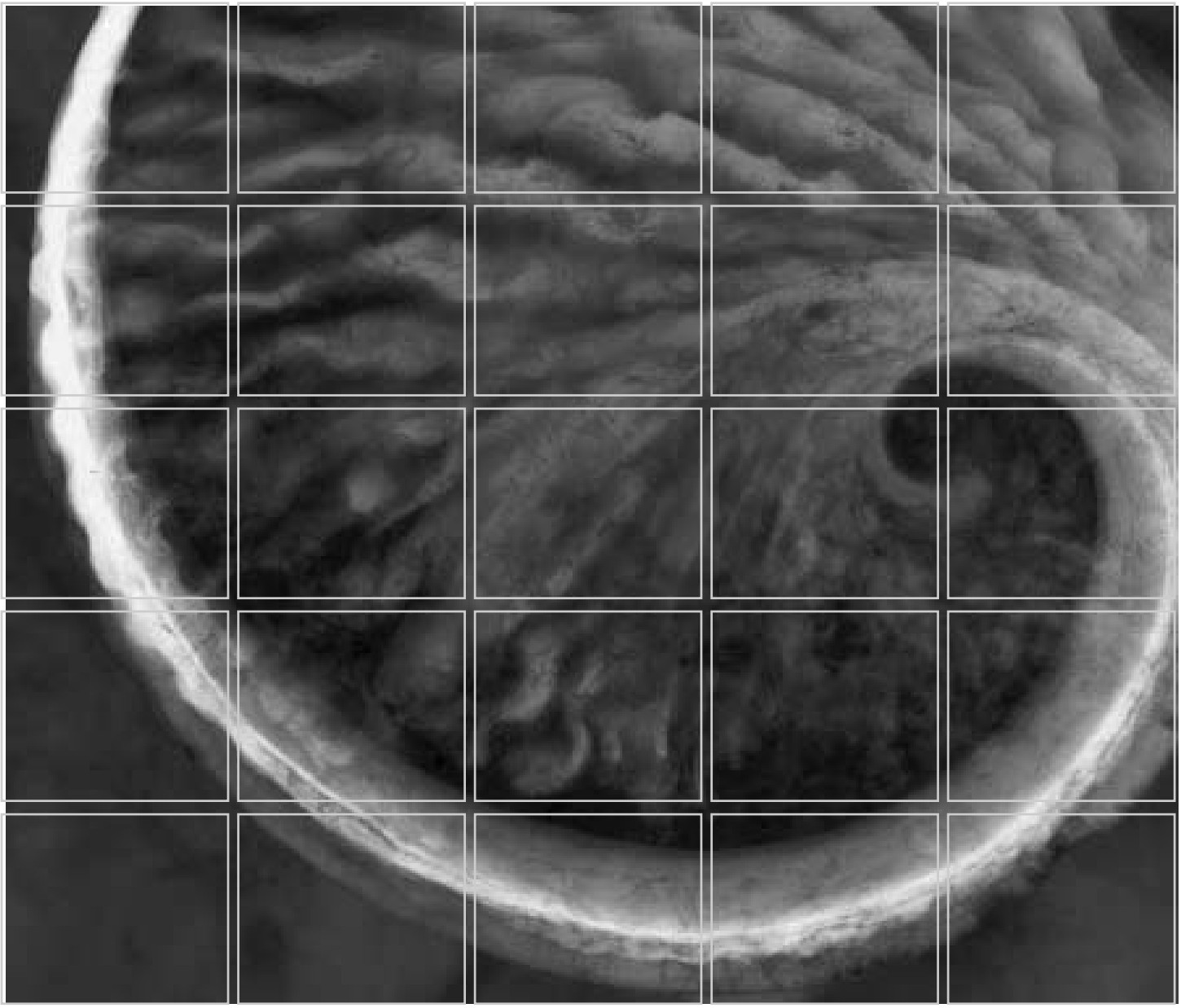
Please let me know if you have any questions.

Sincerely,

Truong T. Mai, P.E.
Partner

APPENDIX 5.8-10

Remedial Action Plan, May 2004



Remedial Action Plan

Former SADD Lease Site

May 2004

www.erm.com

Palmer Investments

Remedial Action Plan: *Former SADD Lease Site*

May 2004

5625.00

Los Angeles County, California

Brett H. Bowyer, R.G.
Principal-in-Charge

Glenn Burks, Ph.D. P.E.
Project Manager

Environmental Resources Management
3 Hutton Centre, Suite 600
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1.0 INTRODUCTION

On behalf of Palmer Investments, Inc., (Palmer) ERM-West, Inc., (ERM) has prepared this Workplan for proposed remediation activities at the Former SADD Lease site (Site) in Los Angeles County, California (Figure 1).

The 432-acre Site is largely undeveloped land with the exception of three production areas (approximately 1 acre each) previously used for crude oil extraction. Previous oil production activities resulted in potential environmental impacts at these three areas. The three former production areas are referred to as the AEO Lease Pad, SADD Lease – North Pad, and SADD Lease - South Pad (Figure 2). Based on results of previous investigations, minor soil impacts exist at or near these three areas and warrant remedial action.

The overall objective of this Workplan is to propose remedial actions to address the identified impacted areas. Specifically, this document describes the remedial actions and provides detailed procedures for implementation.

The Workplan is organized as follows:

- Section 2.0 summarizes available Site background information, including previous investigation results;
- Section 3.0 discusses the remedial objectives of the Remedial Action Plan;
- Section 4.0 describes the proposed remediation activities including soil excavation, active and passive soil venting, and groundwater monitoring programs;
- Section 5.0 discusses health and safety requirements for the proposed field activities;
- Section 6.0 proposes a project schedule;
- Section 7.0 provides references.

2.0 SITE BACKGROUND

2.1 GENERAL SITE DESCRIPTION AND HISTORY

The Site is located along the north flank of Hasley Canyon, approximately 3 miles northwest of the city of Santa Clarita, and east of Sloan Canyon, in the Castaic Hills area of the western San Gabriel Mountains.

The Site is largely undeveloped, but contains a number of graded dirt roads and three, one-acre graded areas (pads) which were historically used to support oil production activities. Ten oil wells were previously located at the pads. The oil production wells, installed in the 1970s or 1980s were closed and properly abandoned in April 2003. The California Department of Oil and Gas (D.O.G.) reviewed closure reports and issued written approval for the well closures.

2.2 SURFACE DRAINAGE, GEOLOGY AND HYDROGEOLOGY

Four small canyons drain southwards across the site into the Hasley Canyon Wash, then into Castaic Creek to the east, and finally into the Santa Clara River. The tributary streams are incised into the alluvium indicating fairly recent rejuvenation. All of the streams on the property, including Hasley Canyon Wash, are seasonally intermittent.

Recent age alluvium is present within the canyons. The Saugus Formation outcrops along the ridges and underlays the alluvium in the canyons throughout the general area of the site. Groundwater is extracted from the Saugus Formation and used for a variety of purposes in the Santa Clarita area. It is estimated that the Saugus Formation stores approximately 1 million acre-feet of water, and that it has historically supplied between 7,500 and 15,000 acre-feet of water annually. Currently, it is planned that an additional 10,000 to 20,000 acre-feet of water per year will be extracted from the Saugus Formation through new wells to support planned development activities in the area. Although groundwater is present at depths of approximately 50 to 100 feet below ground surface (bgs) at the Site, usable groundwater has reportedly been extracted from much greater depths (approximately 3,000 feet bgs).

Other water supply sources in the Santa Clarita area include the alluvial aquifer associated with the Santa Clarita River (located 2 miles east of the

Site) and imported water from the State Water Project. As of 1999, The Los Angeles County Waterworks District No. 36 provided imported water to approximately 827 connections in the Hasley Canyon and Val Verde areas.

2.3 *SUMMARY OF PREVIOUS ENVIRONMENTAL ACTIVITIES*

A Phase I Environmental Site Assessment (ESA), Phase II Site Investigation, and a pipeline removal program were conducted at the Site by California Environmental Geologist and Engineers, Inc. (CEGE) prior to December 2003. Following closure and sign off by D.O.G., CEGE was engaged to remove portions of subsurface pipeline and further investigate and document Site conditions. Stained and odorous soil was discovered when CEGE removed the pipelines at the SADD Lease North Pad and SADD Lease South Pad in June and July of 2003.

Subsequent soil, soil gas and groundwater investigations were performed by CEGE and ERM. In addition, pipeline removal activities associated with the former production areas of shallow soil excavations at the former AEO Lease Pad were also performed.

The results of these activities indicate the following:

- Chemical analyses conducted on numerous soil and groundwater samples did not detect the presence of any chemicals of concern (COCs) other than those typically associated with petroleum hydrocarbons;
- The petroleum hydrocarbons present at the Site contain a relatively low volatile content, and occur at or near the three former production areas;
- Following targeted soil excavation, remaining soil impacts at the AEO Lease – Burns/Crist Pad are minimal and, does not warrant additional remedial actions;
- Limited soil impacts at both the SADD Lease – North and South Pads warrant additional remedial actions; and
- No contaminants were detected above their maximum contaminant level (MCL) or United States Environmental Protection Agency (USEPA) Region IX Tap Water Preliminary Remediation Goals (PRGs) in the groundwater samples.

The areas of impacted soil in the SADD Lease North Pad and SADD Lease South Pad areas are shown on Figures 3 and 4, respectively. In addition,

the location of groundwater monitoring wells with respect to the three former oil production areas and the hydrocarbon impacts are shown in Figure 5.

Detailed discussion of the investigation results are presented in the *Evaluation of Subsurface Petroleum Hydrocarbon Impacts* (ERM, 2004).

2.4 PROPOSED LAND USE

Palmer is in the process of developing the Site as a residential and recreational mixed use development, consisting of single-family custom homes and a championship golf course. A preliminary development plan is shown on Figure 6. As presented, no homes are proposed above the areas containing impacted soil. The anticipated land use directly above the impacted areas will be features of the golf course.

3.0 REMEDIAL OBJECTIVES

The overall objective of the remediation program is to eliminate potential exposure to constituents of concern (COCs). The areas that are impacted by petroleum hydrocarbons at the site will be used as part of the planned golf course associated with the new development. Potential exposure pathways of COCs, based on the planned use, include ingestion of impacted soil and groundwater, direct contact with impacted soil, and inhalation of impacted air. The criteria used to determine when clean up is complete will be a combination of concentration and performance based criteria, such as:

- Mass removal;
- Asymptotic recovery during best available technology application; and
- Risk reduction/elimination

Preliminary clean-up levels have been developed to provide conservative baseline target objectives for VOCs. These factors may be modified based on subsequent monitoring of performance-based criteria during active remedial application. The preliminary clean-up levels have been generated using the Attenuation Factor Method for VOCs developed by the California Regional Water Quality Control Board, Los Angeles Region (May, 1996). Utilizing this methodology, clean-up levels were calculated for benzene, toluene, ethylbenzene and xylenes (BTEX). Attenuation Factors are a measure of VOC contaminants that can be retained in the soil above groundwater as a function of retention of chemical by the distance and lithology of soils encountered during its transport to groundwater. Tables A1- A8 in Appendix A provide the Attenuation Factor Calculations and consequent soil clean-up levels for the BTEX compounds at the SADD Lease North and South Pads. Figures 7 and 8 provide analytical results for soil sampling from previous investigations. Analytical results that exceed the preliminary clean-up levels given in Tables A1-A8 are shaded in Figures 7 and 8.

To confirm closure, a set of interrelated remediation activities are proposed including excavation, active soil venting and passive soil venting. Excavation activities will eliminate the dermal and soil ingestion pathways by removing the potential for direct contact to future site users and construction workers. Active and passive soil venting addresses the inhalation and groundwater ingestion pathways by removing the mobile COCs.

The lateral limits of the impacted areas have been conservatively projected, as shown in Figures 3 and 4, for the SADD Lease North Pad and South Pad, respectively. Following the completion of remedial efforts, it is anticipated that non-mobil petroleum hydrocarbons will remain in place at depths of greater than 10 feet below ground surface. Based on conservative assumptions with respect to the vertical and lateral extent of non-mobile petroleum hydrocarbons, the total volume of TPH-impacted soil to be left in place at the SADD North Parcel following remediation is less than 24,000 cubic yards. Less than 6,000 cubic yards of non-mobile TPH-impacted soil will be left in place at the South Pad based on similar conservative assumptions.

4.0 PROPOSED REMEDIAL ACTIONS

The results of Site investigations completed to date indicate that the Site has been impacted with petroleum hydrocarbons. Soil impacts requiring remediation are limited to the SADD Lease North and South Pads. To address these impacts, Palmer proposes a remediation program consisting of the following three components:

1. **Soil Excavation –** Soil excavation activities are proposed to remove the shallow impacted soil and to create a buffer zone of at least 10 feet between any residual impacted material and the ground surface. To achieve this objective, Palmer proposes a soil excavation program consisting of removal and off-Site disposal of the top 10 feet of soil in designated regions within the SADD Lease North and South Pads, installation of a vapor barrier at the bottom of the excavations, and backfilling and compaction of the excavations with clean, imported material. It should be noted that the areas proposed for soil excavation are also proposed to be "fill" areas for the final Site development. This arrangement ensures that more than 10 feet of clean material will separate any residual impacted soil from the ground surface. This excavation activity essentially removes the direct exposure pathway through dermal contact and soil ingestion and ensures that human health is not affected.

2. **Soil Venting System –** Although soil excavation activities effectively remove the upper 10 feet of impacted soil, residual impacted material warrants additional remedial actions. To address the residual impacted material, Palmer proposes the installation and operation of an active and passive soil venting system within the SADD Lease North and South Pads.

   Initially, 1 to 10 pore volumes of air will be removed from the system to replenish the oxygen levels and eliminate the accumulated vapor phase VOCs. Once a sufficient number of pore volumes have been removed from the vadose zone and treated, a decision will be made to either continue extraction or reverse the process such that ambient air is injected into the subsurface. The injection of ambient air will refresh subsurface oxygen levels and allow subsurface biodegradation of aromatic and petroleum hydrocarbons to continue.

   The decision to either continue extraction or to begin injection will be based on:

- Mass recovery rate measured during extraction; and
- Degree of in situ aerobic degradation based on the measurement of subsurface oxygen concentrations after a period of system shutdown.

At some point the VOC concentrations in the extracted vapors or the rate of aerobic degradation will level off (reach asymptotic levels). When asymptotic conditions have been confirmed, confirmation soil sampling will be performed to determine the achievable VOC concentrations after the application of these best available technology (BAT) remedial efforts.

An application for site closure will then be made based on the sampling results and the following performance based criteria:

- VOC mass reduction;
- Asymptotic recovery rates;
- BAT application; and
- Risk reduction/elimination.

Following the active soil venting phase, extraction and/or air injection equipment will be removed from the site and the wellhead at selected wells will be modified to allow passive venting to occur.

3. **Groundwater Monitoring Well Installation and Sampling–** Although negligible groundwater impacts currently exist at the Site, it is prudent to implement a groundwater monitoring program to provide confirmation that residual soil impacts have not migrated to the groundwater. This component of the remediation program includes the abandonment of existing monitoring wells, replacement with an appropriate number of monitoring wells, and collection of additional groundwater quality information through the sampling of monitoring wells to be installed at the Site.

Soil excavation activities are proposed for completion following regulatory approval of this Workplan document. The soil venting system will be installed following the completion of the excavation efforts. Lastly, the existing monitoring wells will be abandoned prior to Site rough grading and the replacement monitoring well network will be installed following final grading activities.

Detailed procedures for implementation of these activities are presented in subsequent sections.

4.1 SOIL EXCAVATION

The following subsections describe the activities associated with the soil excavation activities to be conducted at the Site.

4.1.1 Utility Clearance

Prior to excavation activities, Underground Services Alert (USA) will be contacted to ensure that existing utility lines are not impacted. No subsurface utility lines are believed to be present at the Site.

4.1.2 Excavation and Stockpiling

The proposed excavation areas have been delineated based on previous analytical data and are shown in Figures 3 and 4 for the SADD Lease North Pad and South Pad, respectively. The top 10 feet of soil will be removed using a backhoe or similar equipment and temporarily stockpiled on visqueen or equivalent material, pending characterization. It is estimated that up to 3,000 cubic yards in the North Pad and up to 1,200 cubic yards in the South Pad may be excavated.

Prior to backfilling, soil samples will be collected along the sidewall and floor of the excavation in accordance with Section 4.1.3. The excavation will be backfilled in accordance with Section 4.1.7.

4.1.3 Sampling and Analysis

Two types of environmental soil samples will be collected during excavation activities, (1) excavation confirmation samples, and (2) disposal characterization samples. A brief description of each of these sample types is provided below.

4.1.3.1 *Confirmation Samples*

Following excavation activities, ERM will collect soil samples on the sidewalls and bottom of the excavations. The soil samples will be analyzed for volatile organic compounds (VOCs) in accordance with USEPA Method 8260 and TPH diesel and motor oil fractions (C8–C40 carbon range) in accordance with USEPA Method 8015M to ensure all impacted soil has been excavated. Four samples will be collected at each excavation: one floor sample and one sample on each of the four sidewalls. Collected samples will be placed in an ice chest cooled to 4 degrees Celsius (C), and maintained under chain-of-custody control until delivery to a California-certified laboratory.

4.1.3.2 *Disposal Characterization Samples*

ERM will collect soil samples from stockpiles to characterize excavated soil. ERM anticipates that one composite sample will be collected for every 250 cubic yards of soil. This data will be used to decide the appropriate disposal method of the soil. All samples will be collected using a hand trowel, shovel, or hand auger. Disposal samples will be analyzed for VOCs (USEPA Method 8260B), TPH diesel and motor oil fractions (C8 – C40 carbon range) in accordance with USEPA Method 8015M, and priority pollutant metals (USEPA Methods 6010 and 7471B). Collected samples will be placed in an ice chest cooled to 4 degrees C, and maintained under chain-of-custody control until delivery to a California-certified laboratory.

4.1.4 *Waste Transportation and Disposal*

Depending upon the results of the confirmation sampling, the excavated soil will be properly disposed of at a state-certified disposal facility. ERM anticipates that all wastes generated from the excavations can be classified as non-hazardous. Waste manifest forms will be properly completed and will accompany each truckload of soil to the disposal facility. Signed forms will be provided in a summary report to be prepared following the completion of remedial actions.

4.1.5 *Vapor Barrier Installation*

Following soil excavation, a vapor barrier will be installed at the bottom of the excavation to minimize the migration of VOCs to the surface and eventual release into the atmosphere. ERM anticipates that the vapor barrier will consist of a minimum of 60-mil high-density polyethylene (HDPE) overlain by a 2-inch layer of sand.

4.1.6 *Conductor Casing Installation*

To facilitate installation of the soil venting system, conductor casings will be installed prior to the installation of the vapor barrier. The conductor casing will be 12-inch diameter, Schedule 80 polyvinyl chloride (PVC) pipes, and will be installed to a depth of approximately 6 to 12 inches below the vapor barrier depth. The conductor casing installation will take place during backfilling of the excavations.

4.1.7 *Backfilling and Compaction*

Upon completion of the sidewall and floor confirmation sampling and installation of the conductor casings and vapor barrier, each excavation will be backfilled with clean, imported material. The fill material will be placed in 12-inch lifts and compacted to 90 percent relative compaction. A minimum of one compaction test will be performed per lift. If a compaction test fails, the lift will be recompacted until proper compaction is attained.

4.1.8 *Reporting*

Upon completion of excavation, installation of the conductor casing and vapor barriers, and backfilling tasks, ERM will prepare and submit a summary report documenting all activities performed. The results of the compaction tests and analytical sampling, and the waste manifests will be included as attachments to this report.

4.2 *ACTIVE AND PASSIVE SOIL VENTING SYSTEM*

The purpose of the soil venting system is to reduce residual VOC concentrations in the soil and to prevent the buildup of methane gas in the impacted areas of the SADD Lease North and South Pads. The active venting phase is proposed to quickly address the VOCs present in soil vapors, while the passive phase is proposed to provide long-term venting of residual methane gas. The active soil venting system will likely operate for up to 6 months and the passive system will likely remain at the Site indefinitely.

The following subsections describe the system design, permitting requirements, installation procedures, startup, operation and maintenance, and eventual shutdown and decommissioning procedures.

4.2.1 *Permitting*

Permits are required for the installation and operation of the soil venting system. Well construction permits are required for soil venting wells. A discharge permit is also required from the South Coast Air Quality Management District (SCAQMD) to operate the soil venting system. ERM will obtain these permits prior to construction of the soil venting system.

4.2.2 *System Description*

The process flow diagram for the active soil venting system is presented on Figure 9. This diagram depicts the soil venting wells, the vapor extraction equipment, and the vapor abatement equipment. The design aspects of each of these components are discussed in detail below.

4.2.2.1 *Soil Venting Wells*

The number of soil venting wells and their locations were determined using data from the *Evaluation of Subsurface Petroleum Hydrocarbon Impacts-Former Oil Production Pad Areas* (ERM, February 2004). A radius of influence of 30 feet was assumed for each soil venting well. This assumption is based on the known soil type within each area and experience with similar systems.

The five soil venting well (VW– 1 through 5) locations are shown on Figures 10 and 11 for the SADD Lease North and South Pads, respectively. The combined radius of influence of the three soil venting wells in the North Pad and the two soil venting wells in the South Pad encompass the estimated impacted areas.

4.2.3 *Soil Venting System Equipment*

The soil venting system for the SADD Lease North and South Pads include the soil venting well, a wellhead housed in a subsurface concrete vault, underground conveyance piping, air/water separator, blower, and granular activated carbon (GAC) vessels (Figure 9). Dedicated soil vapor abatement equipment will be installed at each pad. Other standard equipment utilized in the soil venting system include:

- Cartridge air filters;
- A dilution valve;
- Control valves;
- Sample ports; and
- Pressure indicators.

Specific equipment sizing for each pad is provided below.

4.2.3.1 *SADD Lease North Pad*

The combined vapor extraction flow rate from the three soil venting wells was estimated to be 75 standard cubic feet per minute (scfm). Based on this calculation, the vapor extraction blower should be capable of operating at a flow rate of 75 scfm and a vacuum of 12 inches of mercury. The calculations and associated assumptions made in order to estimate the blower rates are provided in Appendix B for the SADD Lease North and South Pads.

Soil gas samples were collected and analyzed for VOCs as part of the *Evaluation of Subsurface Petroleum Hydrocarbon Impacts - Former Oil Production Pad Areas* (ERM, February 2004). The laboratory analytical data indicated that average total VOC concentrations within the impacted area were 232 parts per billion by volume (ppbv). Soil vapor VOC concentrations from samples collected from soil vapor probes SG2-6, SG2-11, SG2-12, and SG2-15 at depths between 9 and 17 feet bgs were averaged to determine the design total VOC concentration. ERM used this total VOC concentration to design the off-gas abatement portion of the soil venting system. Because the soil with the highest total VOC concentrations is proposed to be removed, ERM believes that a design concentration of 232 ppbv is reasonably conservative. The off-gas will be treated using GAC before being discharged to the atmosphere.

4.2.3.2 *SADD Lease South Pad*

The combined vapor extraction flow rate from the two soil venting wells was estimated to be approximately 50 scfm. Based on this calculation, the vapor extraction blower should be capable of operating at a flow rate of 50 scfm and a vacuum of 12 inches of mercury.

The soil vapor sample collected at soil vapor probe SG1 by CGEE in 2003 was found to contain 5,000 ppbv of VOCs. ERM used this total VOC concentration to design the off-gas abatement portion of the active soil venting system. The off-gas will be treated using GAC before being discharged to the atmosphere.

4.2.4 ***Soil Venting System Installation***

A total of five soil venting wells will be installed at locations depicted on Figures 8 and 9 for the SADD Lease North and South Pads, respectively. Prior to drilling activities, ERM will contact USA to clear proposed well locations of buried utilities. In addition, ERM will obtain the appropriate drilling and well permits from the County as described in Section 4.2.1.

The soil venting wells will be installed inside the conductor casings that were positioned during excavation backfill activities. Hollow-stem-auger (HSA) drilling method will be utilized to install the soil venting wells. The soil venting wells will be constructed of 4-inch-diameter, Schedule 40 PVC blank casing from the ground surface to bottom of the conductor casing (approximately 10 feet bgs); and 4-inch-diameter, 0.020-inch slot PVC screen from approximately 10 to 20 feet bgs. The well, filter pack, and bentonite seal will be placed in the boring through the inside of the augers. The bentonite-cement grout will be pumped through a tremmie pipe to ensure a proper seal. Figure 12 shows proposed well construction details.

All downhole well materials will be decontaminated before use. Soil cuttings from the installation of the soil vapor extraction (SVE) wells will be placed in 55-gallon drums. The drums will be sampled and analyzed for VOCs (USEPA Method 8260B) and CAM 22 metals (USEPA Methods 6010 and 7471B), and stored on Site pending characterization and off-Site disposal.

Each soil venting well within each SADD Pad will be connected to the vapor treatment system via underground piping at the locations shown on Figures 10 and 11 for the SADD Lease North and South Pads, respectively. The underground conveyance piping will be constructed of 4-inch, Schedule 40 PVC and buried to a minimum depth of approximately 1 foot. The wellhead and associated equipment will be housed belowground in a 2 feet width, by 2 feet length, by 2 feet deep concrete vault equipped with a metal cover. Pressure indicators and 4-inch butterfly valves will be installed at each wellhead for flow control. Wellhead details are presented on Figure 12.

The blower will extract vapor from the soil venting wells, routing through the air and water separator and 10-micron cartridge air filter. An air dilution valve with a 20-micron filter will be located between the air and water separator and the extraction blower. A control panel will be used to operate the extraction system. The shut-off controls will include a high level switch in the air and water separator and a high vacuum switch before the extraction blower. All components and controls of the extraction system will be mounted on a trailer and powered by a generator. In addition, temporary fencing will be installed surrounding the system and associated piping.

The extracted vapor will then be forced through two 500-pound GAC vessels. The vessels will be skid-mounted and seated on a concrete pad surface. Sample ports will be installed in line before, between, and after

the vessels. The stack will be constructed with 4-inch, Schedule 40 PVC to a height specified by the SCAQMD permit.

4.2.5 *System Start-up and Operation*

During the first week of operation, the soil venting system will be monitored daily. An ERM technician will take measurements of the system as prescribed by the project engineer and will collect the following readings:

- Extraction well and system flow rates using a hot wire anemometer;
- Wellhead and system influent and effluent vacuums or pressures;
- System influent and effluent temperatures;
- Wellhead and system influent and effluent VOC concentrations using a photoionization detector (PID); and
- Water levels in the air and water separator.

Any accumulated water in the air and water separator will be drummed and stored on Site pending manifesting and disposal.

In addition to the readings listed above, the technician will also collect influent and effluent vapor samples on the first and final days of the week. Six-liter summa canisters will be used to collect the samples, which will be analyzed for VOCs using USEPA Method TO-14. The initial sample will be analyzed with a 2-day turnaround time to ensure permit compliance and notification to SCAQMD.

During the first week of operation, the project engineer will make a daily evaluation of the system operation and recommend necessary adjustments. System evaluation will include, but is not limited to:

- Air discharge permit compliance;
- Calculation of actual GAC loading and expected change-out durations;
- Calculation of total VOC mass removal rates and historical trending;
- Calculation of fuel and electrical usage rates; and
- Calculation of knockout water accumulation rates.

After the first week of operation, an ERM technician will make weekly Site visits. Along with the activities listed in the system startup monitoring section, the technician will perform the following:

- Complete maintenance activities for the air and water separator and extraction blower, as required by the manufacturer's specifications;
- Drum the knock-out water from the air and water separator and arrange for disposal;
- Replenish fuel in the generator as needed;
- Oversee GAC change outs as needed; and
- Make or arrange for any repairs needed to the system.

The technician will also collect influent and effluent vapor samples at the end of each month. Six-liter summa canisters will be used to collect the samples, which will be analyzed for VOCs using USEPA Method TO-14. Samples will be analyzed on a standard turnaround time. If effluent VOC concentrations exceed air discharge permit limits, the system will be immediately shut down and the SCAQMD will be notified.

4.2.6 *System Shut-down and Decommissioning*

Preliminary estimates indicate that the active soil-venting program will be operating for approximately 3 to 6 months. Pending review of the analytical data after 3 months of operation and concurrence with the Los Angeles Fire Department (LAFD), a longer active soil-venting program may be implemented.

Upon completion of the active soil-venting program, all aboveground equipment, with the exception of the stacks, will be removed from the Site. The remaining soil venting wells will be connected directly to stacks. This configuration will allow for residual methane gas to vent directly to the atmosphere.

4.2.7 *Reporting*

ERM will prepare quarterly operation and maintenance reports to the SCAQMD, as required by the air discharge permit. ERM expects that the reports will include the following:

- A brief discussion of the system history;
- A discussion of soil venting system operational performance;
- VOC mass balance calculations;
- Current mass removal rates and historical trends;
- VOC mass discharge rates; and
- A description of planned activities.

4.3 *GROUNDWATER MONITORING*

The existing eight monitoring wells at the Site will be abandoned prior to rough grading activities. Following rough grading, and finalization of the housing plot plans and golf course layout, ERM will propose locations for the replacement monitoring wells. ERM expects that only four of the existing wells will be necessary to provide adequate data to demonstrate that petroleum hydrocarbons are not present. The replacement locations will be selected considering locations of the future home lots and golf course features (i.e., a well will be placed in roadways or sidewalks, if possible, and no wells will be relocated on actual home lots or fairways), upon finalization of the golf course design and home lot placement, Palmer will propose specific locations for the replacement wells and seek regulatory concurrence prior to well installation.

The following subsections describe the well installation, groundwater sampling, and reporting activities for the groundwater monitoring program.

4.3.1 *Well Installation*

Prior to initiating drilling activities, ERM will contact USA to clear proposed well locations of buried utilities. In addition, ERM will also obtain the appropriate drilling and well permits from the County.

The monitoring wells will be installed using HSA drilling method. Prior to well installation, the borings will be continuously cored using a 2-inch-diameter by 5-foot-long core barrel for lithologic logging. The monitoring wells will be constructed of 2-inch-diameter, Schedule 40 PVC casing from the ground surface to approximately 5 feet above the water table; and 2-inch-diameter, 0.020-inch slot PVC screen from that point to approximately 10 feet below the water table. The well, filter pack, and bentonite seal will be placed in the boring through the inside of the augers. The bentonite-cement grout will be pumped through a tremmie pipe to ensure a proper seal. A small amount of tap water may be added to equalize hydrostatic pressure to reduce the potential for sediments heaving into the auger.

All downhole well materials will be decontaminated before use. Soil cuttings from the installation of the monitoring wells will be placed in 55-gallon drums. The drums will be sampled for VOCs (USEPA Method 8260B) and CAM 22 metals (USEPA Methods 6010 and 7471B) and stored on Site pending characterization and off-Site disposal.

Monitoring wells will be developed a minimum of 48 hours after well completion. Wells will be developed using bail, swab, and pump techniques until field parameters (pH, conductivity, and temperature) have stabilized and the purge water is clear. Approximately 10 casing volumes of water will be extracted during purging. Development and decontamination water will be stored in 55-gallon drums. The drums will be sampled for VOCs (USEPA Method 8260B) and stored on Site pending characterization and off-Site disposal.

4.3.2 *Groundwater Sampling*

Following well installation and development, ERM will conduct quarterly groundwater monitoring events using low-flow sampling procedures. The first event will take place a minimum of 48 hours after development of the wells.

Static water levels shall be measured and recorded immediately before beginning purging and/or sampling activities. The procedure shall be accomplished with a decontaminated electronic measuring probe. Water levels will be measured from the elevation reference point marked on the PVC inner casing. The measuring process will be repeated until consecutive water level measurements agree to within 0.01 foot.

The wells will be purged using a low-flow submersible pump equipped with a variable flow rate controller. To ensure that samples are representative of the water-bearing formation, each well will be purged for a minimum of 3 well volumes or until the readings stabilize (pH, temperature, and conductivity - within 10 percent of the value of the preceding measurement). Groundwater samples will be collected following well flow stabilization.

Groundwater samples collected during implementation of this Workplan will be analyzed for VOCs using USEPA Method 8260B. Collected samples will be placed in an ice chest cooled to 4 degrees C, and maintained under chain-of-custody control until delivery to a California-certified laboratory.

Water produced from wells during sampling will be stored on Site in 55-gallon drums, pending characterization. The analytical results from the collected groundwater samples will be used to characterize the samples for off-Site disposal.

4.3.3 Reporting

ERM will prepare quarterly groundwater monitoring reports. The first quarterly report will summarize the results of well installation and sampling activities. Subsequent quarterly reports will summarize only the sampling activities and present recommendations for additional actions, if necessary, or rationale for Site closure.

5.0 HEALTH AND SAFETY

Activities described in this Workplan will be performed in accordance with the Site-specific HASP, included as Appendix C. The procedures described in the HASP will be implemented and enforced by a health and safety representative during all fieldwork. Compliance with the HASP will be required of all persons who enter restricted areas for the project.

The purpose of the HASP is to:

- Assign Site personnel health and safety responsibilities;
- Establish process safety requirements for all equipment, including hazards associated with the excavation equipment, drill rig, and other hazards;
- Prescribe mandatory operating procedures;
- Establish personal protective equipment requirements for work activities;
- Establish emergency response procedures; and
- Provide information on the health and physical hazards of on-Site activities.

The HASP complies with all federal Occupational Safety and Health Administration regulations, as applicable and appropriate.

Only ERM staff and approved subcontractors will be allowed in the work area. Regarding Site access and control, no additional measures will be implemented to further restrict Site access since the existing property fence and gates are adequate. In addition, any excavations left open overnight will be covered, and the work zone will be surrounded by caution tape.

6.0 SCHEDULE

The excavation activities are schedules to begin on 17 May 2004. The excavation, confirmation sampling, vapor barrier installation and backfilling efforts will take four weeks to complete. It is anticipated that confirmation sampling data will be provided to the LACFD following the third week of field activity and that LACFD will approve the excavations for backfilling so that the work can be completed during the fourth week. The completion report associated with these efforts will be provided to LACFD by 28 June 2004.

The active soil-venting program will take place following the completion of the excavation program. As such, schedule for the active soil venting system is currently projected for the last 6 months of 2004.

Groundwater monitoring will be performed in June and September of 2004. There will be a 6-month gap in monitoring during site grading activities, which are currently scheduled to begin in October 2004.

7.0 REFERENCES

ERM (March 2004). *Evaluation of Subsurface Petroleum Hydrocarbon Impacts*, Former Oil Production Pad Areas, Los Valles land & Golf Development Site.

California Environmental Geologists and Engineers (CEGE, July 2003). *Environmental Site Assessment, Phase – I and Subsurface Assessment*, Undeveloped Land, Approximately 420 Acres in the Vicinity of Hasley Canyon Road, Los Angeles County, California.

California Environmental Geologists and Engineers (CEGE, August 27 1997). *Environmental Site Assessment, Phase – I*, Undeveloped Land, 330 + Acres in the Vicinity of Hasley Canyon Road, Los Angeles County, California.

California Regional Water Quality Control Board, Los Angeles and Ventura Counties (May 1996). *Interim Site Assessment & Clean-up Guidebook*. Preventing Groundwater Pollution: Assessing Your Site for Chemical Contaminants.

Figures

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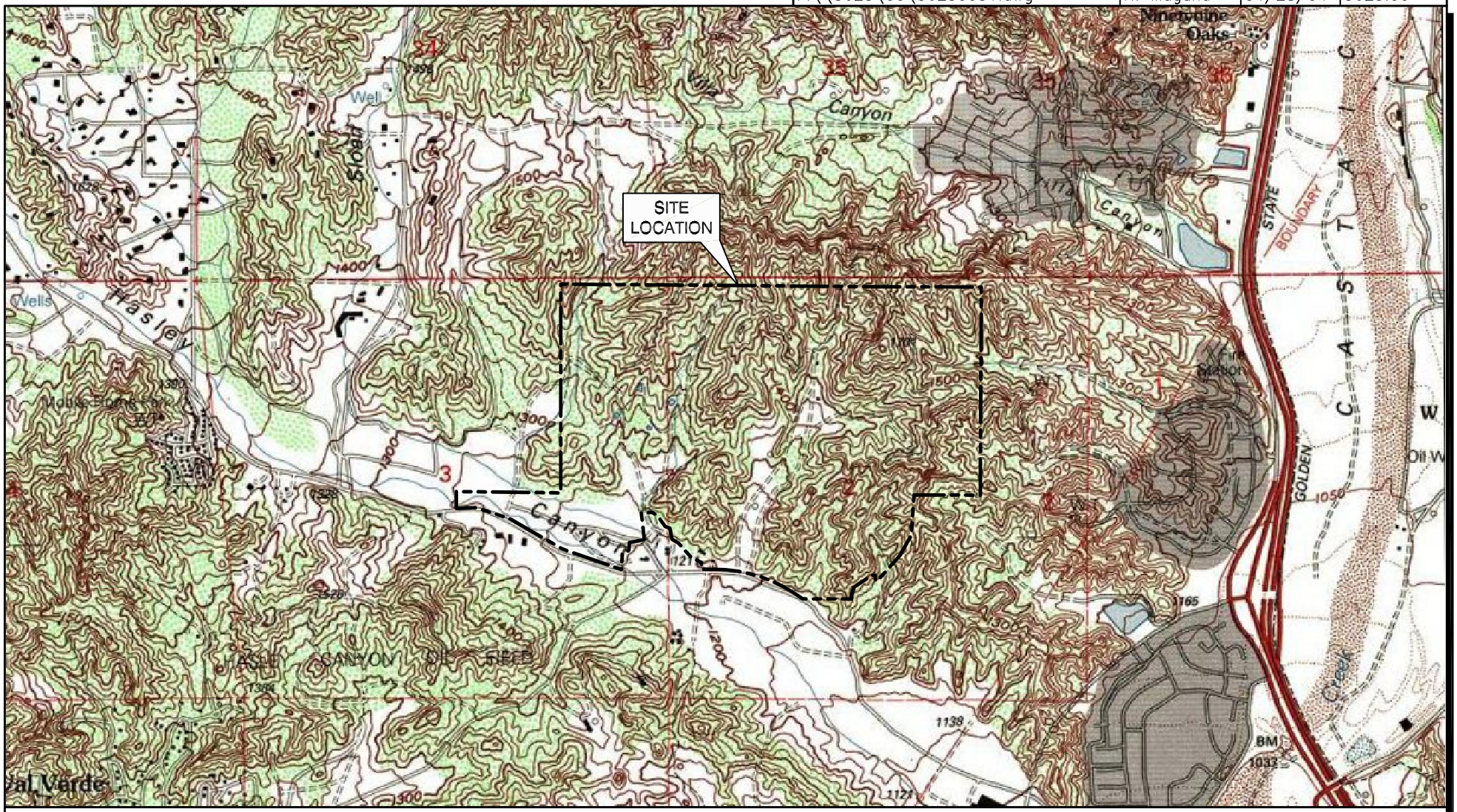

References:
Seamless U.S.G.S. 7.5 Minute Topographic Series
Map created with TOPO!® © 2001
National Geographic Holdings

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SCALE IN FEET

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Figure 1
Site Location Map
Remedial Action Plan
Former SADD Lease Site
Los Angeles County, California

ERM 04/04

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Drawn By: H. Magana

Date: 04/28/04

Project No. 5625.00

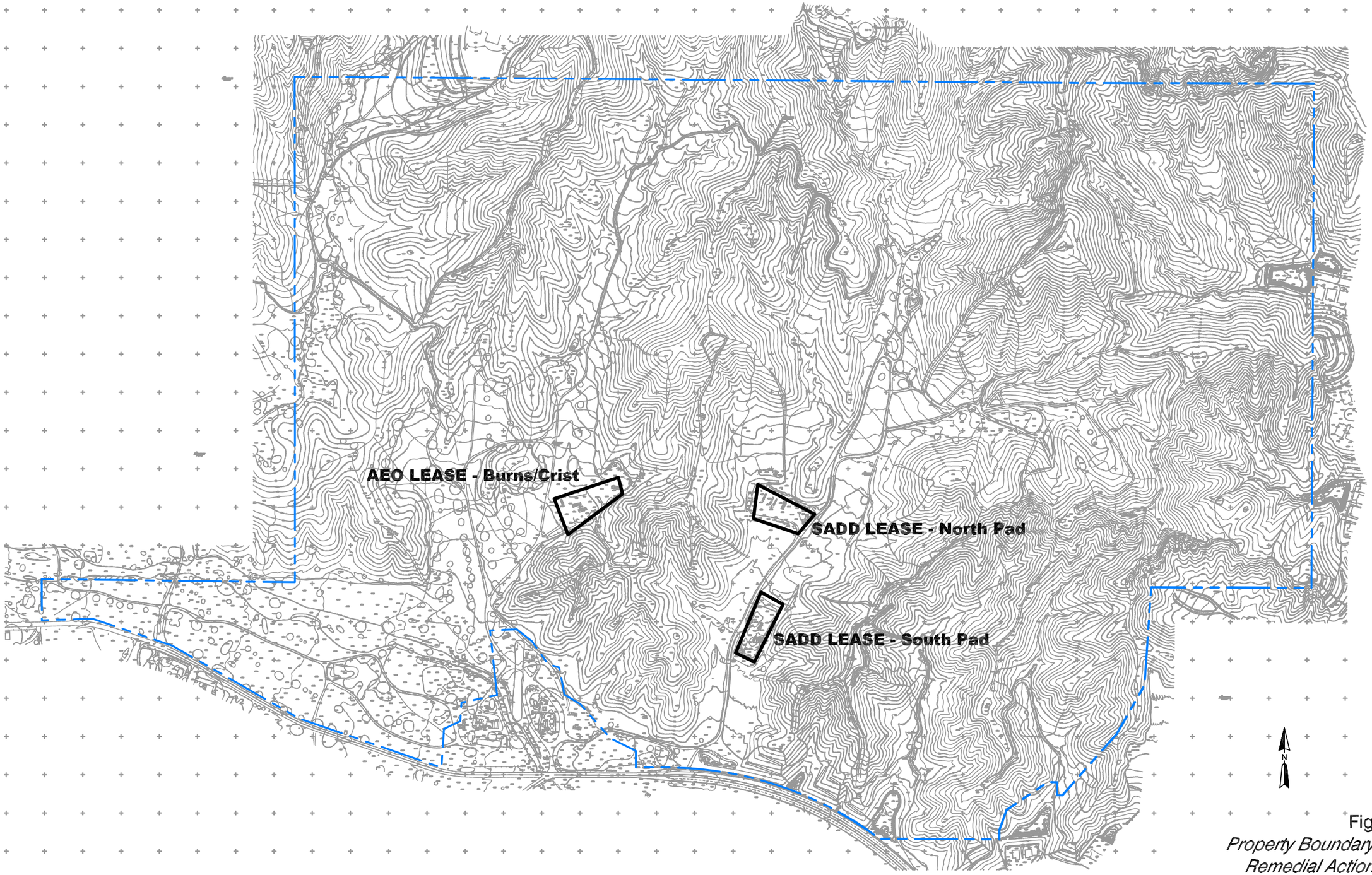

Figure 2

Property Boundary Map
Remedial Action Plan
Former SADD Lease Site
Los Angeles County, California

ERM 05/04

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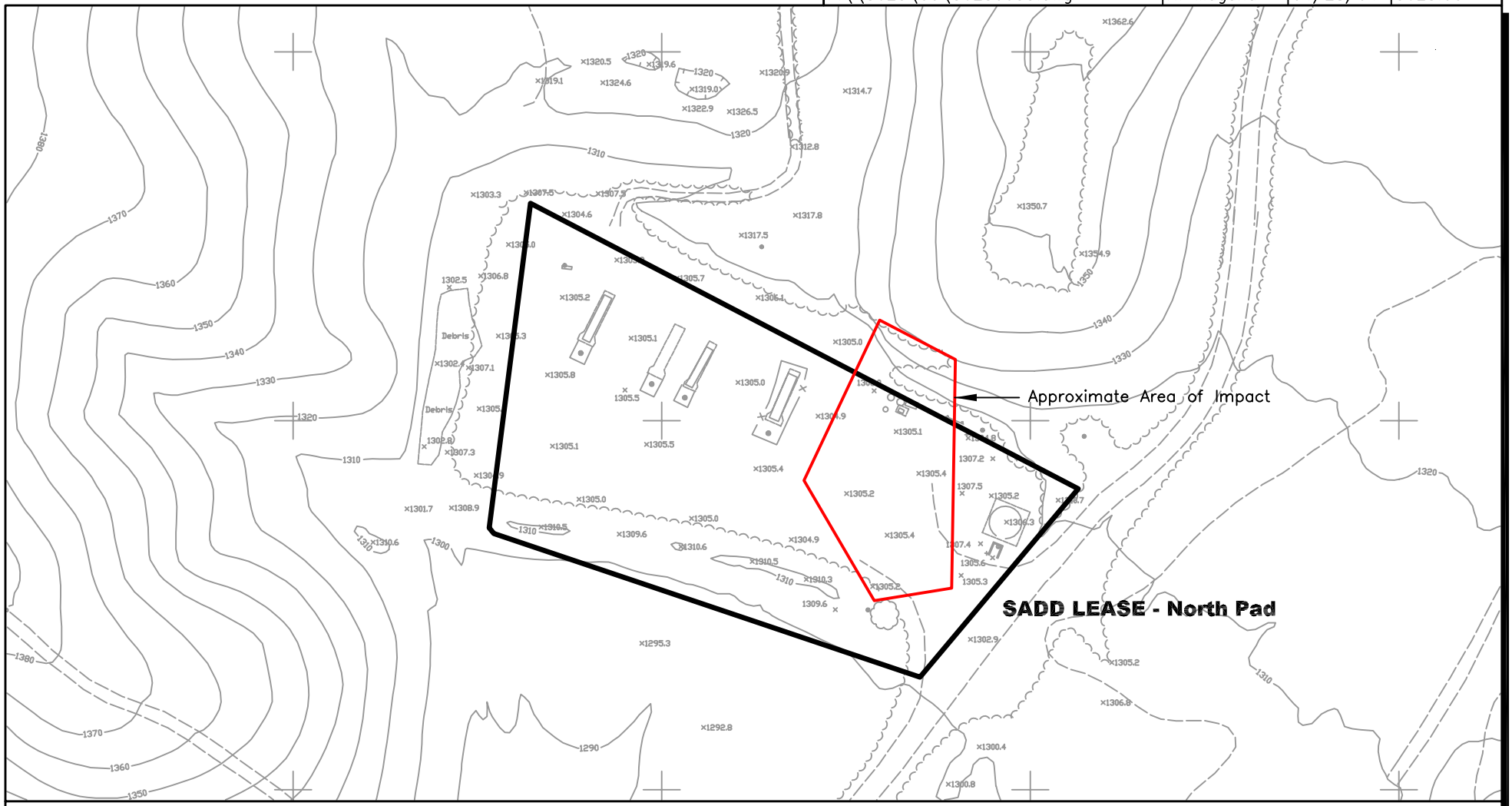

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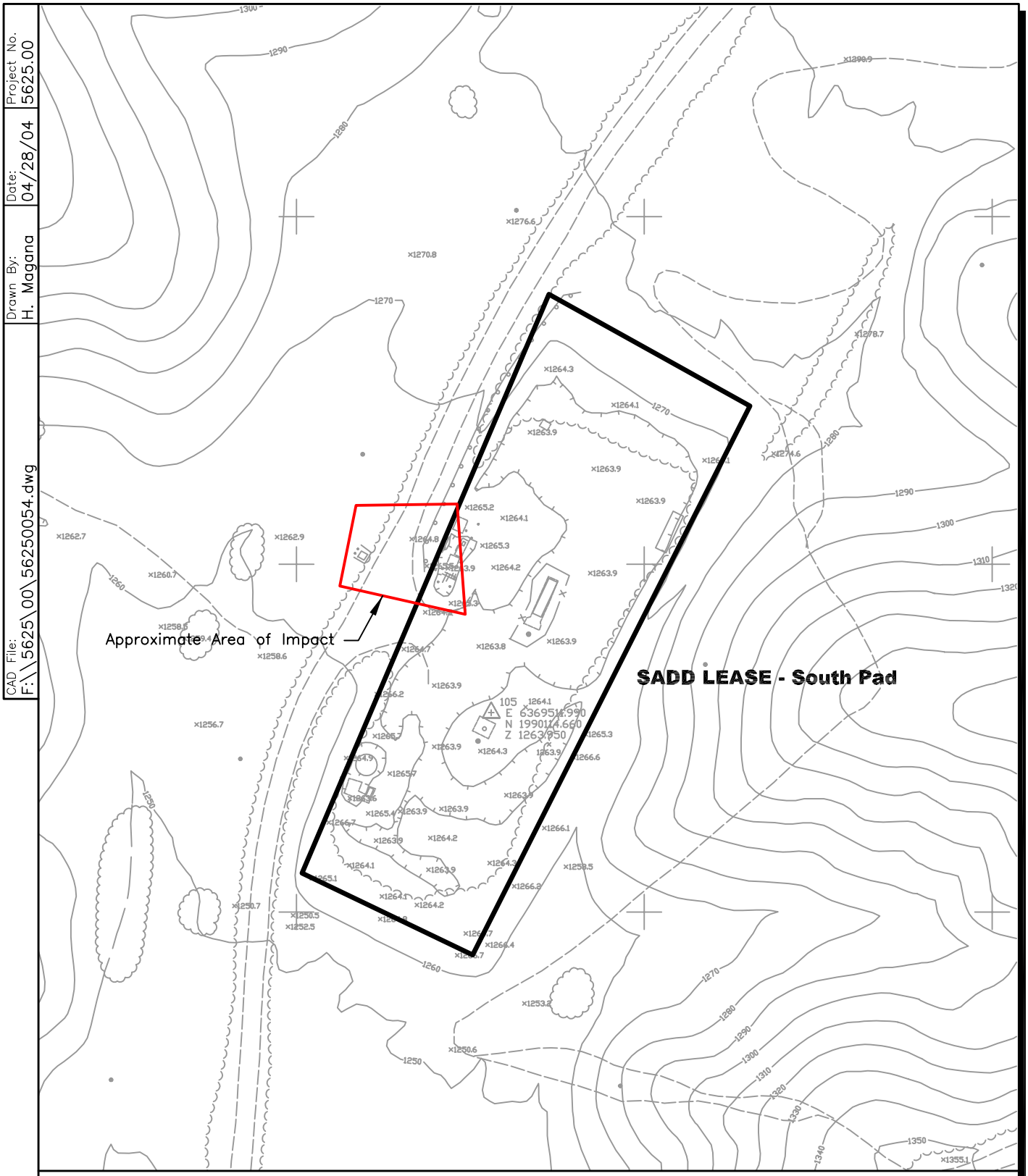
Figure 3
Impacted Area
SADD LEASE - North Pad
Remedial Action Plan
Former SADD Lease Site
Los Angeles County, California

ERM *05/04*



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Date: 04/28/04

Drawn By: H. Magana

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Figure 4

Impacted Area

SADD LEASE - South Pad

Remedial Action Plan

Former SADD Lease Site

Los Angeles County, California

ERM *05/04*

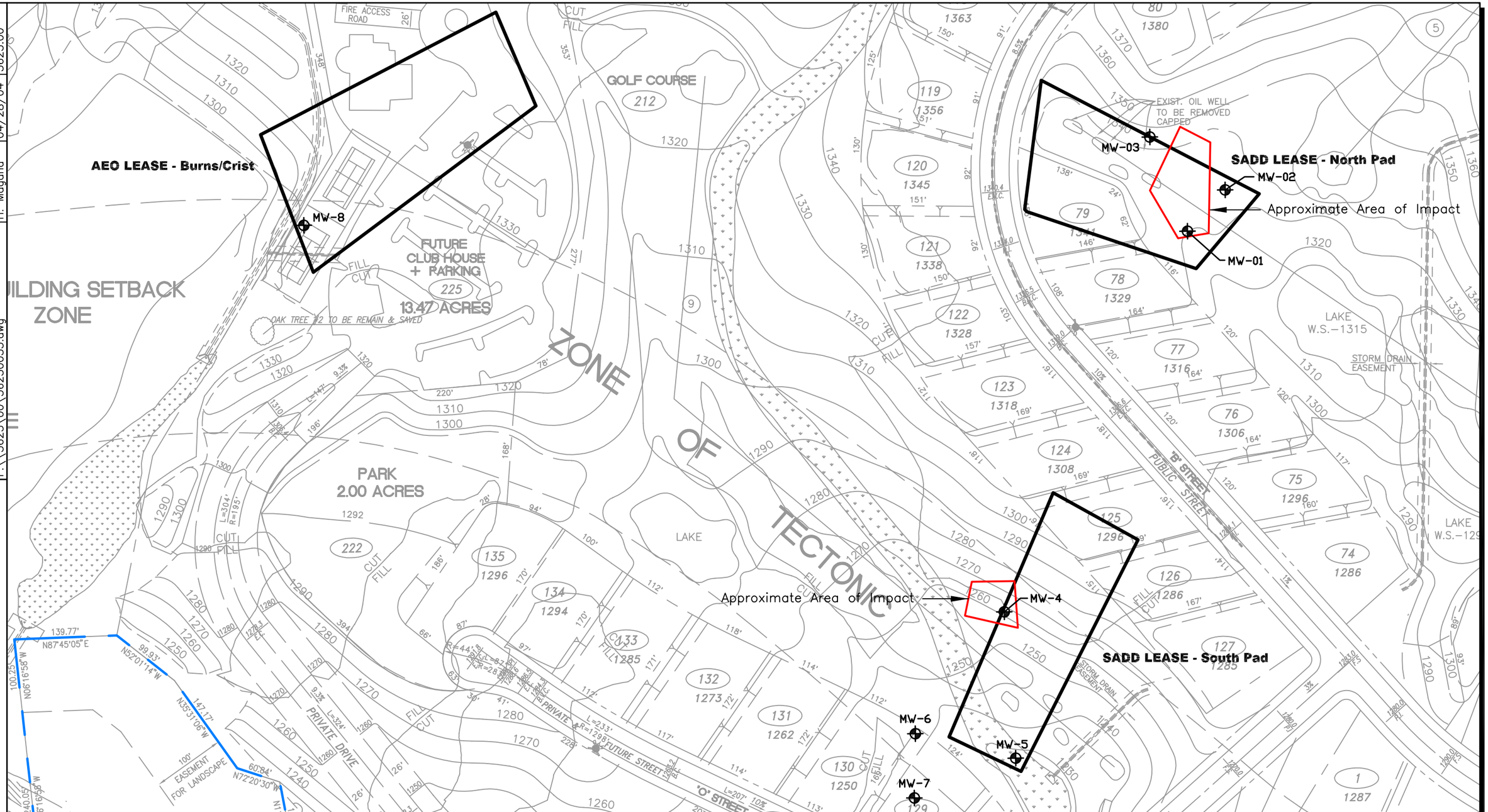

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Figure 5
Monitoring Well Locations
Remedial Action Plan
Former SADD Lease Site
Los Angeles County, California

ERM 05/04

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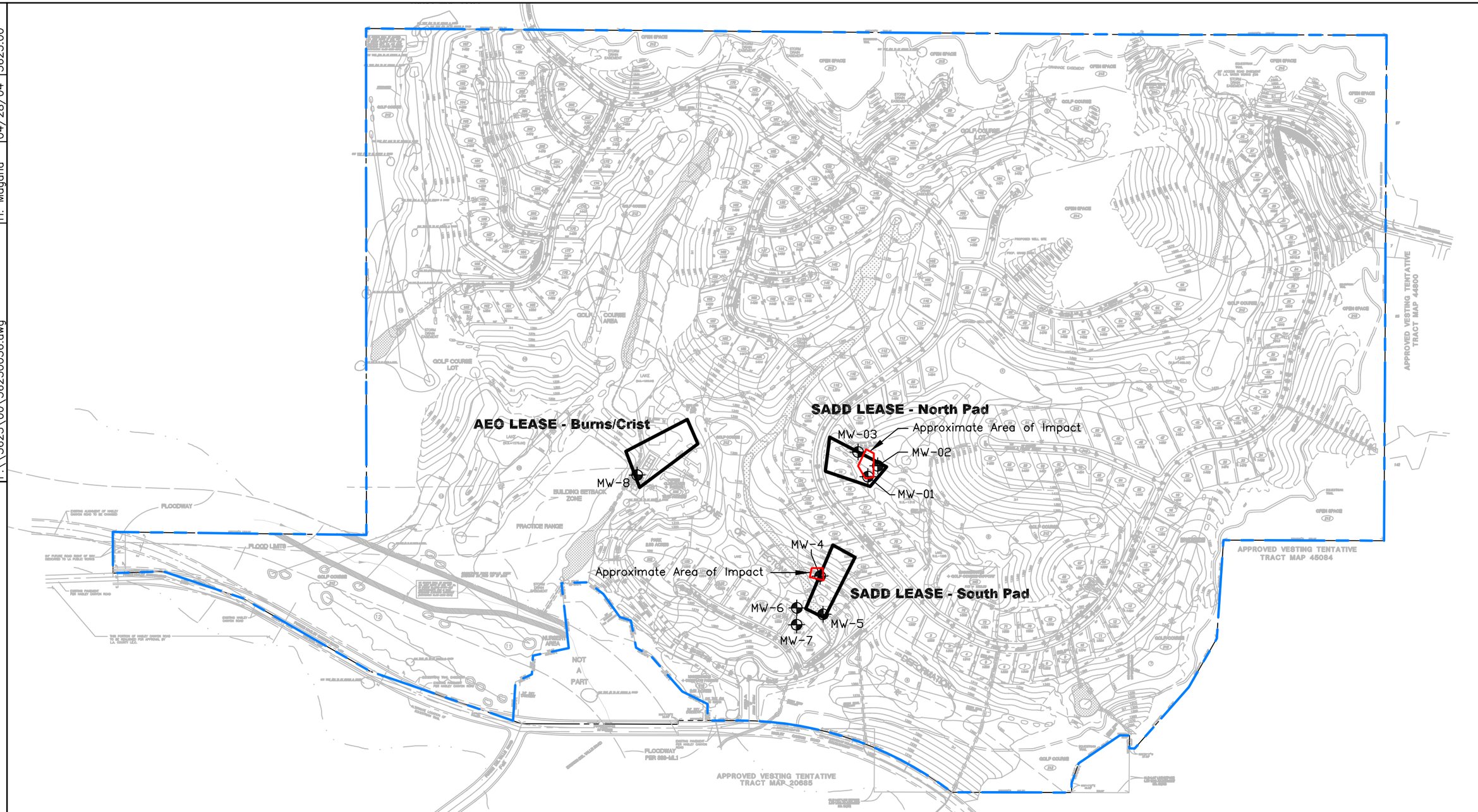

Figure 6
Proposed Land Use
Remedial Action Plan
Former SADD Lease Site
Los Angeles County, California

ERM 05/04

Project No. 5625.00
Date: 04/14/04
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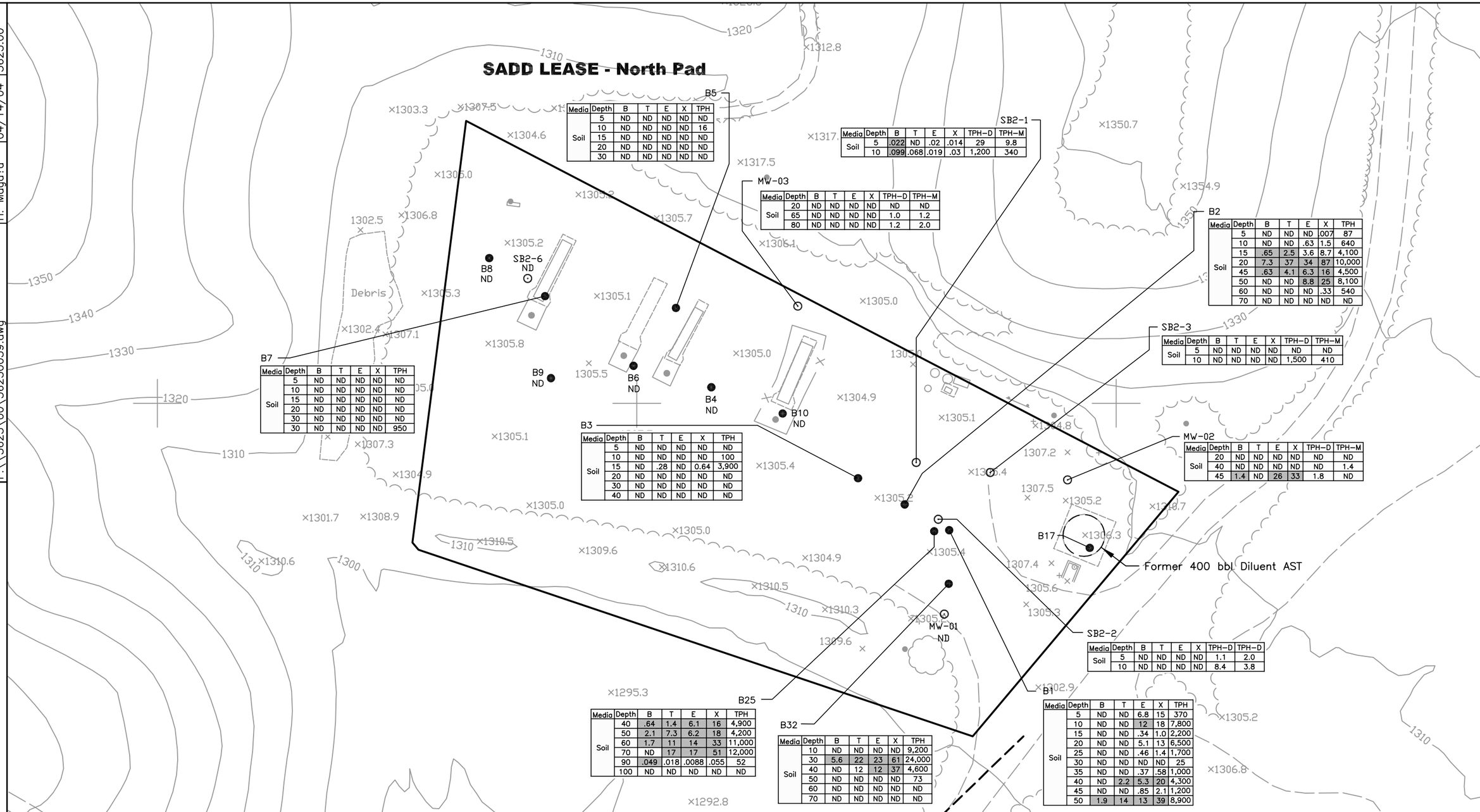
SADD LEASE - North Pad



Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	16
	15	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	5	.022	ND	.02	.014	29	9.8
	10	.099	.068	.019	.03	1,200	340

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	20	ND	ND	ND	ND	ND	ND
	65	ND	ND	ND	ND	1.0	1.2
	80	ND	ND	ND	ND	1.2	2.0

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	.007	87
	10	ND	ND	.63	1.5	640
	15	.65	2.5	3.6	8.7	4,100
	20	7.3	37	34	87	10,000
	45	.63	4.1	6.3	16	4,500
	50	ND	ND	8.8	25	8,100
	60	ND	ND	ND	.33	540
	70	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	5	ND	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	1,500	410

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	950

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	100
	15	ND	.28	ND	0.64	3,900
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	40	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	20	ND	ND	ND	ND	ND	ND
	40	ND	ND	ND	ND	ND	1.4
	45	1.4	ND	26	33	1.8	ND

Media	Depth	B	T	E	X	TPH-D	TPH-D
Soil	5	ND	ND	ND	ND	1.1	2.0
	10	ND	ND	ND	ND	8.4	3.8

Media	Depth	B	T	E	X	TPH
Soil	40	.64	1.4	6.1	16	4,900
	50	2.1	7.3	6.2	18	4,200
	60	1.7	11	14	33	11,000
	70	ND	17	17	51	12,000
	90	.049	.018	.0088	.055	52
	100	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH
Soil	10	ND	ND	ND	ND	9,200
	30	5.6	22	23	61	24,000
	40	ND	12	12	37	4,600
	50	ND	ND	ND	ND	73
	60	ND	ND	ND	ND	ND
	70	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	6.8	15	370
	10	ND	ND	12	18	7,800
	15	ND	ND	.34	1.0	2,200
	20	ND	ND	5.1	13	6,500
	25	ND	ND	.46	1.4	1,700
	30	ND	ND	ND	ND	25
	35	ND	ND	.37	.58	1,000
	40	ND	2.2	5.3	20	4,300
	45	ND	ND	.85	2.1	1,200
	50	1.9	14	13	39	8,900

LEGEND

● Location of Soil Boring Installed by CE

⊙ Location of Soil Boring Installed by ERM

Consentrations Expressed in Methane PPMV

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylene

ND = Not Detected
NA = Not Analyzed
TPH = Total Petroleum Hydrocarbons
TPH-D = TPH in Diesel Range
TPH-M = TPH in Motor Oil Range

NOTE:
1. B, T, E, X Soil Gas Results are Expressed in µg/L.
2. Methane Expressed in PPMV.
3. CO2 and O2 Expressed in Percent.
4. * Denoted Laboratory Analyses, all other Results are Based on Mobil Laboratory Analyses.
5. Soil Results in mg/kg.
6. Shaded Values Exceed Preliminary Clean-Up Goal.

N

0 20' 40' 80'
(APPROXIMATE) SCALE IN FEET

Figure 7
Previous Investigations: SADD Lease-North Pad
Remedial Action Plan
Former SADD Lease Site
Los Angeles County, California

ERM 05/04

CAD File:	Drawn By:	Date:	Project No.
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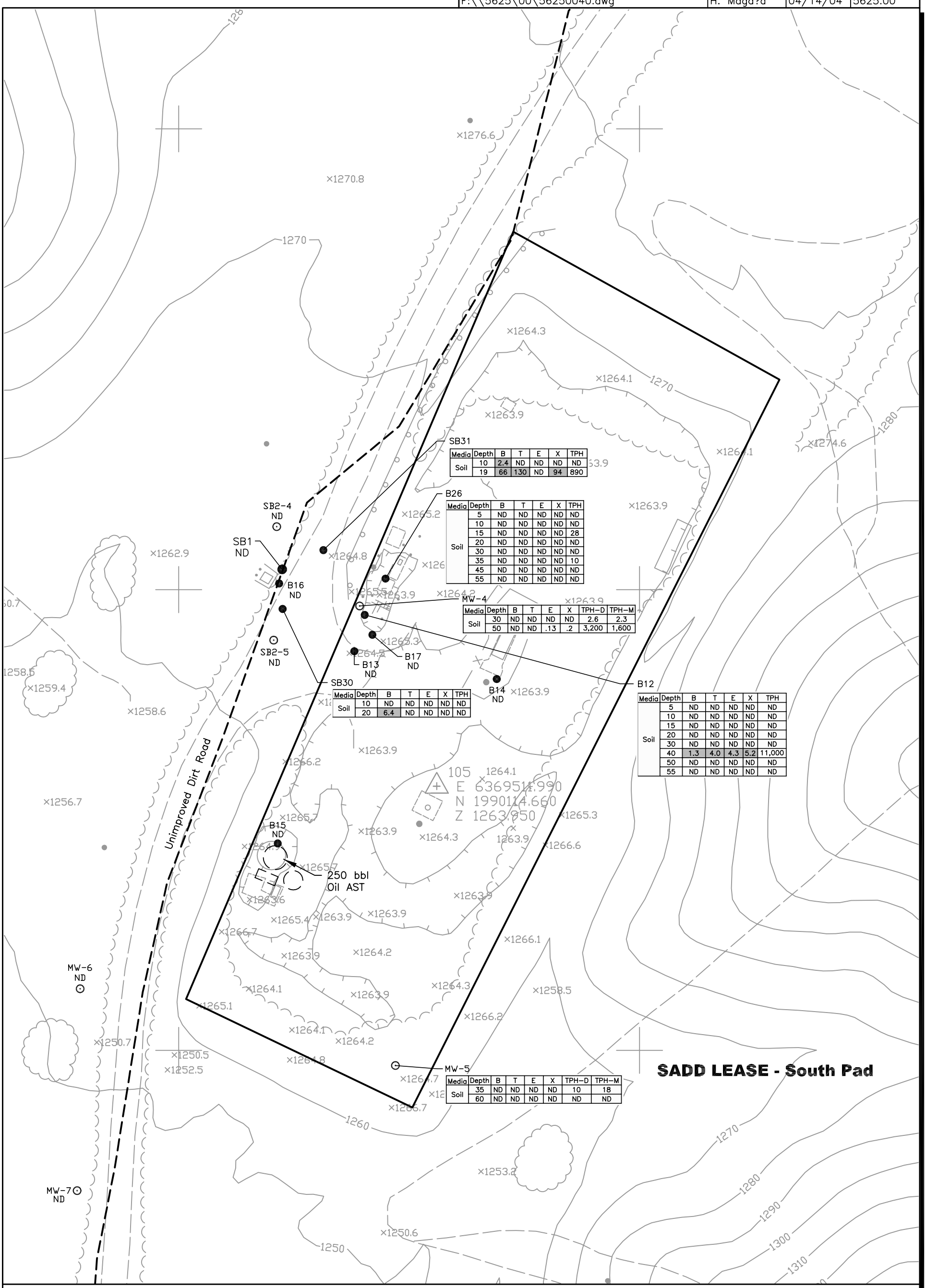


Media	Depth	B	T	E	X	TPH
Soil	10	2.4	ND	ND	ND	ND
	19	66	130	ND	94	890

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	28
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	35	ND	ND	ND	ND	10
	45	ND	ND	ND	ND	ND
	55	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	30	ND	ND	ND	ND	2.6	2.3
	50	ND	ND	.13	.2	3,200	1,600

Media	Depth	B	T	E	X	TPH
Soil	10	ND	ND	ND	ND	ND
	20	6.4	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	40	1.3	4.0	4.3	5.2	11,000
	50	ND	ND	ND	ND	ND
	55	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	35	ND	ND	ND	ND	10	18
	60	ND	ND	ND	ND	ND	ND

LEGEND

- ● Location of Soil Boring Installed by CE
- ⊙ Location of Soil Boring Installed by ERM

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylene
ND = Not Detected
TPH = Total Petroleum Hydrocarbons

TPH-D = TPH in Diesel Range
TPH-M = TPH in Motor Oil Range
CH4 = Methane
VOC = Volatile Organic Compound
NA = Mot Analyzed
CO2 = Carbon Dioxide
O2 = Oxygen

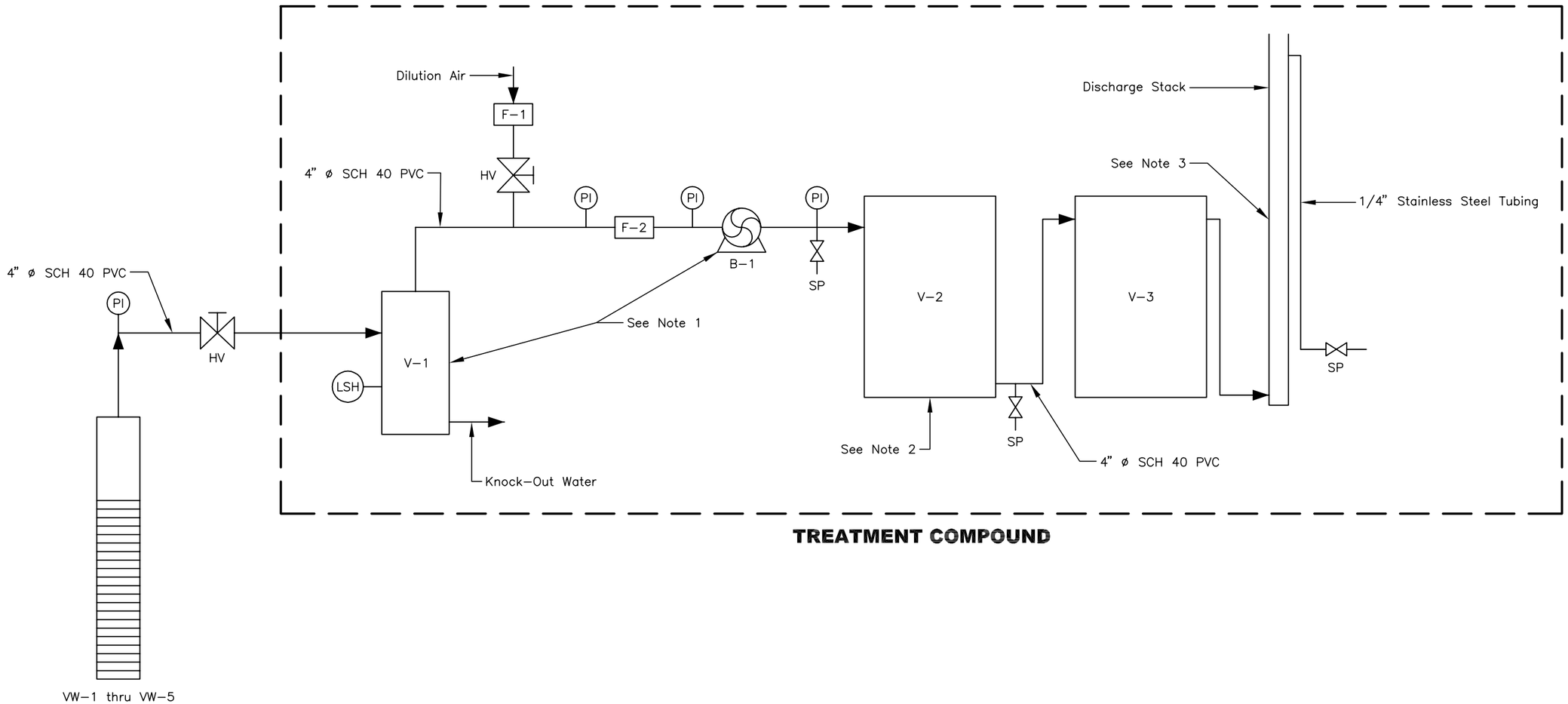
0 20' 40' 80'
(APPROXIMATE) SCALE IN FEET

NOTE:
1. B, T, E, X Soil Gas Results are Expressed in µg/L.
2. Methane Expressed in PPMV.
3. CO2 and O2 Expressed in Percent.
4. * Denoted Laboratory Analyses, all other Results are Based on Mobil Laboratory Analyses.
5. Soil Results in mg/kg.
6. Shaded Values Exceed Preliminary Clean-Up Goal.

Figure 8
Previous Investigations
SADD Lease-South Pad
Remedial Action Plan
Former SADD Lease Site
Los Angeles County, California

ERM 05/04

Project No. 5625.00
Date: 04/28/04
Drawn By: H. Magana
CAD File: F:\5625\00\5625005 7.dwg



TREATMENT COMPOUND

LEGEND

- HV — Hand Valve
- SP — Sample Port
- F-X — Filter
- V-X — Vessel
- B-X — Blower
- PI — Pressure Indicator
- LSH — High Level Switch

EQUIPMENT LIST

B-1	Regenerative Blower to Operate at 60 scfm at 12" of Mercury
F-1	Dilution Air Cartridge Filter (20 micron)
F-2	Inline Cartridge Air Filter (10 micron)
V-1	40 Gallon Air/Water Separator Rated for 50 cfm
V-2/3	500-lb Granular Activated Carbon Vessel with 4" Top and Side Connection Ports
VW-1/2/3/4/5	Soil Venting Wells

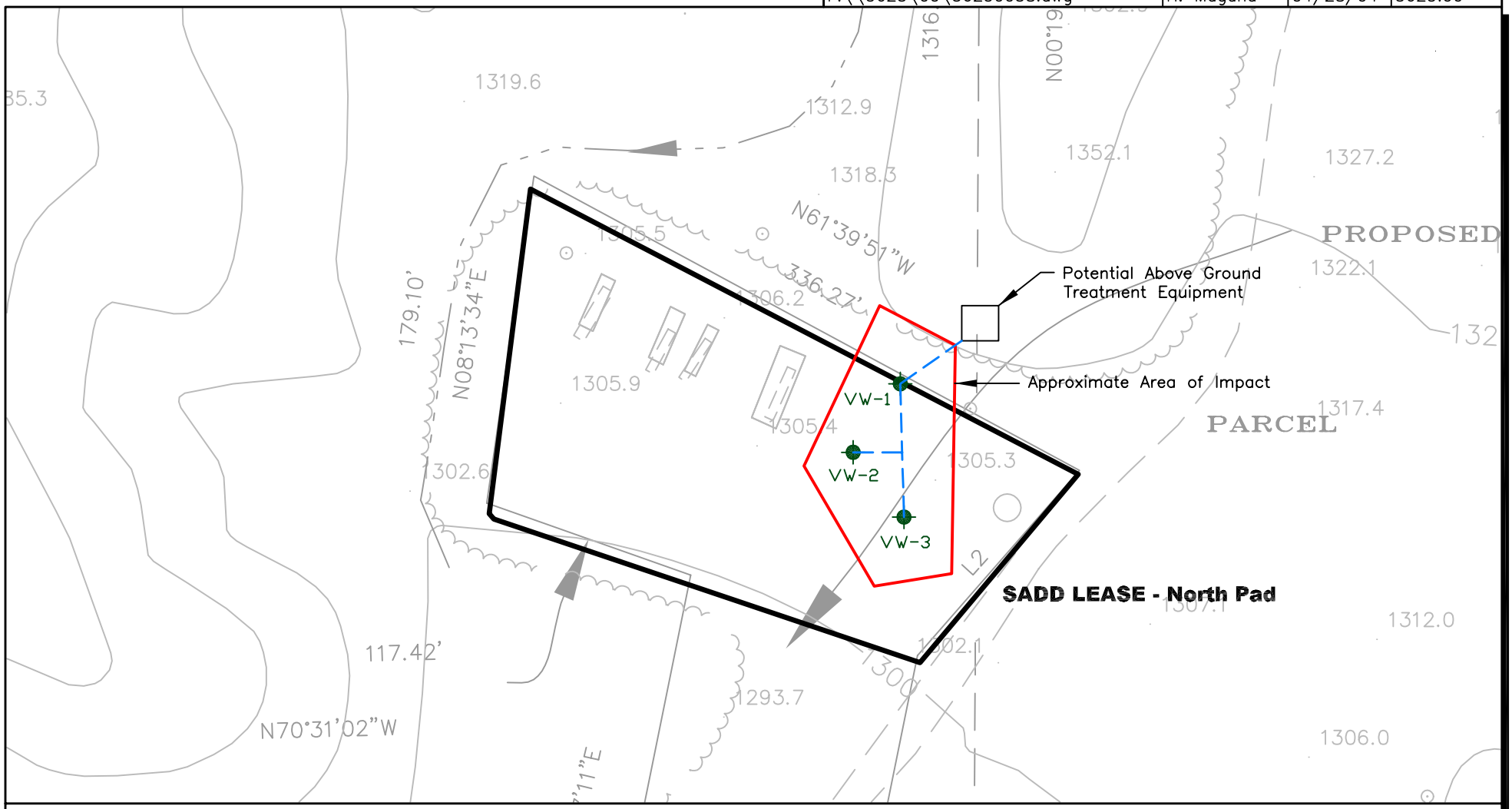
NOTES

1. The air/water separator (V-1) and the blower (B-1) shall be trailer mounted.
2. The GAC vessels (V-2, V-3) shall be skid mounted.
3. The discharge stack shall be 4"ø SCH 40 PVC and the height will be determined by the air discharge permit.
4. Piping between wells and the Venting System will be underground.
5. Controls will be installed to shut the Venting System off when there is a High Level in V-1 or when there is a High or low pressure in the vapor line.

Figure 9
Active Venting System
Process Flow Diagram
Remedial Action Plan
Former SADD Lease Site
Los Angeles County, California

ERM 05/04

CAD File:	Drawn By:	Date:	Project No.
F:\\5625\00\56250058.dwg	H. Magana	04/28/04	5625.00



LEGEND

VW-1 Proposed Venting Well

Subsurface Venting Piping

0 40' 80' 160'

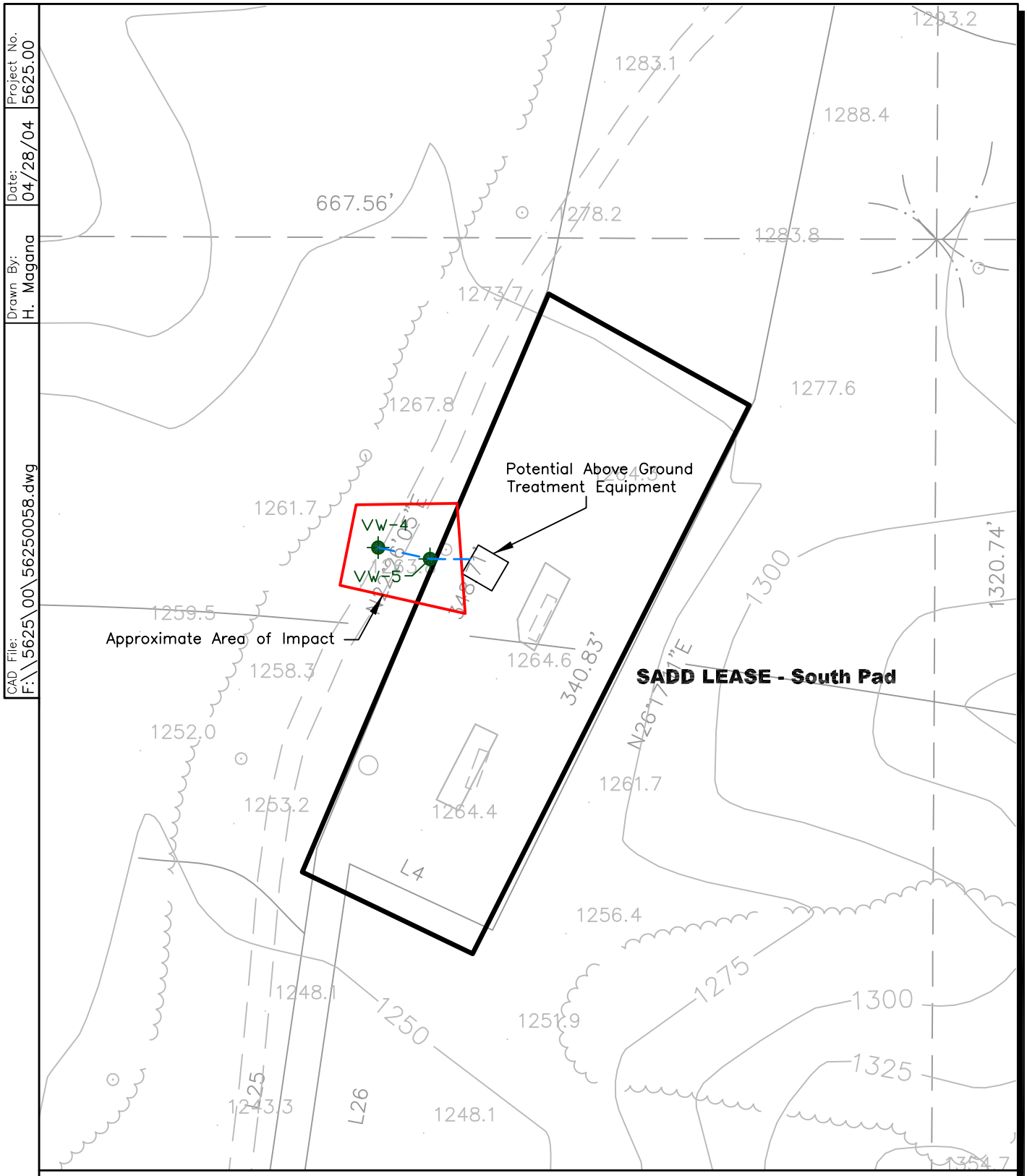
SCALE IN FEET

N

Figure 10

Proposed Venting Well Locations
SADD LEASE - North Pad
Remedial Action Plan
Former SADD Lease Site
Los Angeles County, California

ERM 05/04



0 40' 80' 160'

SCALE IN FEET

LEGEND

VW-4 Proposed Venting Well

Subsurface Venting Piping

N

Figure 11

Proposed Venting Well Locations
SADD LEASE - South Pad
Remedial Action Plan
Former SADD Lease Site
Los Angeles County, California

ERM 05/04

Project No. 5625.00
Date: 04/28/04
Drawn By: H. Magana
CAD File: F:\5625\00\56250059.dwg

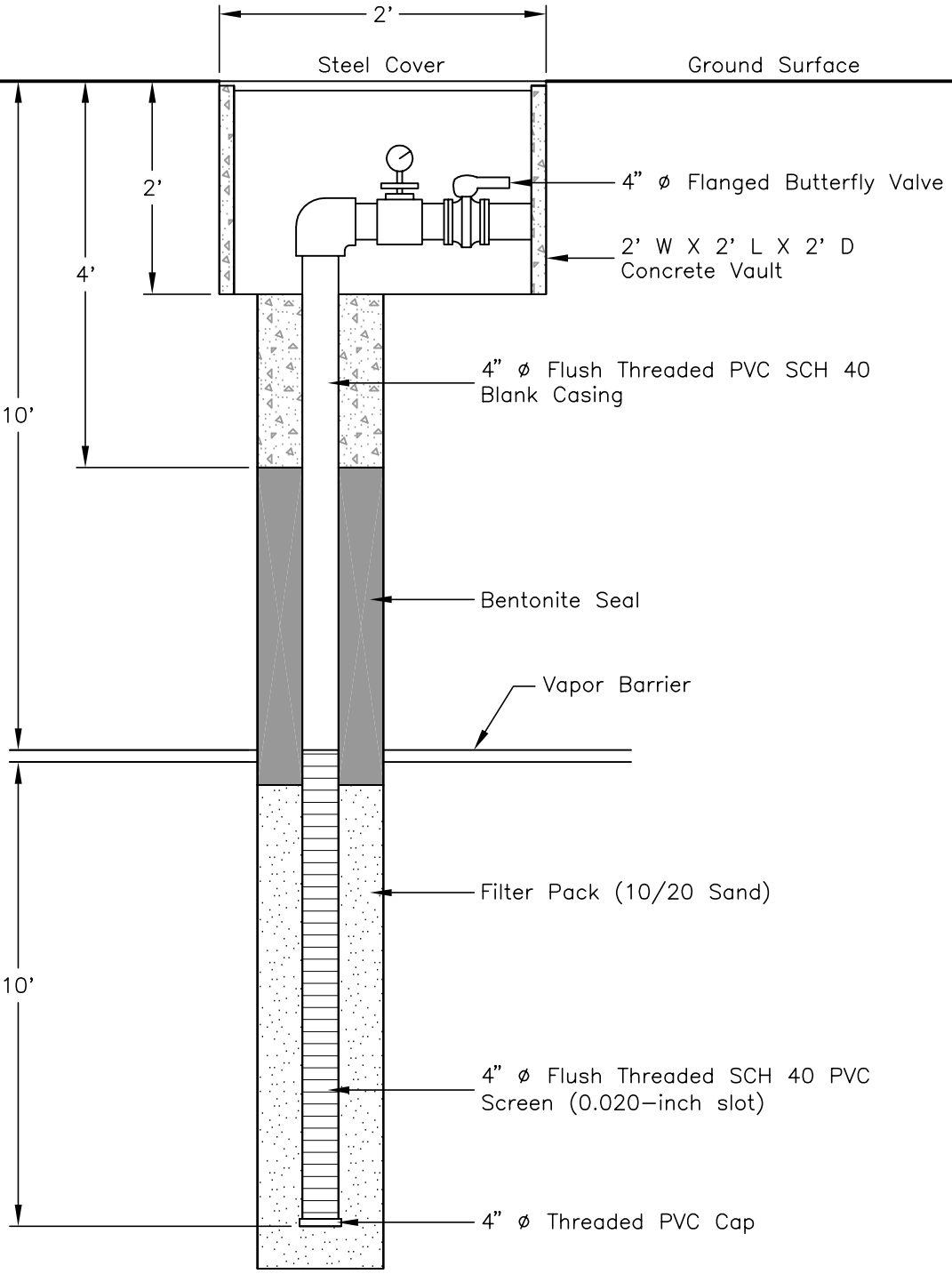


Figure 12
Venting Well Construction Detail
Remedial Action Plan
Former SADD Lease Site
Los Angeles County, California

NOT TO SCALE

ERM 05/04

Appendix A

Attenuation Factor Calculations

Table A1 *Attenuation Factor Calculations for Benzene*
SADD LEASE - North Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL (2) (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Benzene	1	0.5	89.5	4.475	58.175	26.85	0	73.2	37.0	4.7	4.71	NA	--
Benzene	1	5	85	4.25	55.25	25.5	0	73.2	34.3	4.4	4.37	22	80.1%
Benzene	1	10	80	4	52	24	0	73.2	31.3	4.0	3.99	99	96.0%
Benzene	1	15	75	3.75	48.75	22.5	0	73.2	28.3	3.6	3.61	650	99.4%
Benzene	1	20	70	3.5	45.5	21	0	73.2	25.3	3.2	3.23	7300	100.0%
Benzene	1	25	65	3.25	42.25	19.5	0	73.2	22.3	2.8	2.84	ND	--
Benzene	1	30	60	3	51	6	0	73.2	19.3	2.1	2.08	5600	100.0%
Benzene	1	35	55	2.75	46.75	5.5	0	73.2	16.3	1.8	1.75	ND	--
Benzene	1	40	50	2.5	42.5	5	0	73.2	13.3	1.4	1.43	640	99.8%
Benzene	1	45	45	2.25	38.25	4.5	0	73.2	10.3	1.1	1.11	1400	99.9%
Benzene	1	50	40	2	26	12	0	73.2	7.3	0.9	1.00	2100	100.0%
Benzene	1	60	30	1.5	25.5	3	0	73.2	5.7	0.6	1.00	1700	99.9%
Benzene	1	70	20	1	17	2	0	73.2	4.2	0.4	1.00	ND	--
Benzene	1	80	10	0.5	8.5	1	0	73.2	2.6	0.3	1.00	ND	--
Benzene	1	89.5	0.5	0.025	0.425	0.05	0	73.2	1.1	0.1	1.00	49	98.0%

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Benzene) =	65	(ml/g)
K_H(Benzene) =	0.229	
Average Depth to Groundwater =	90	feet

Soil Composition:

0 - 30 ft depth (Silty sand, SM)		**30 - 45 ft depth (Sand, SS)**		**45 - 50 ft depth (Silty sand, SM)**		**50 - 90 ft depth (sand, SS)**	
% Gravel =	5	% Gravel =	5	% Gravel =	5	% Gravel =	5
% Sand =	65	% Sand =	85	% Sand =	65	% Sand =	85
% Silt =	30	% Silt =	10	% Silt =	30	% Silt =	10
% Clay =	0	% Clay =	0	% Clay =	0	% Clay =	0

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Table A2 *Attenuation Factor Calculations for Toluene*
SADD LEASE - North Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL (2) (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Toluene	150	0.5	89.5	4.475	58.175	26.85	0	287.6	145.2	18.5	2777.39	NA	--
Toluene	150	5	85	4.25	55.25	25.5	0	287.6	134.6	17.2	2574.90	ND	--
Toluene	150	10	80	4	52	24	0	287.6	122.9	15.7	2349.91	68	--
Toluene	150	15	75	3.75	48.75	22.5	0	287.6	111.1	14.2	2124.92	2500	15.0%
Toluene	150	20	70	3.5	45.5	21	0	287.6	99.3	12.7	1899.93	37000	94.9%
Toluene	150	25	65	3.25	42.25	19.5	0	287.6	87.6	11.2	1674.94	ND	--
Toluene	150	30	60	3	51	6	0	287.6	75.8	8.2	1222.50	22000	94.4%
Toluene	150	35	55	2.75	46.75	5.5	0	287.6	64.0	6.9	1032.80	ND	--
Toluene	150	40	50	2.5	42.5	5	0	287.6	52.3	5.6	843.10	12000	93.0%
Toluene	150	45	45	2.25	38.25	4.5	0	287.6	40.5	4.4	653.41	4100	84.1%
Toluene	150	50	40	2	26	12	0	287.6	28.8	3.7	549.98	7300	92.5%
Toluene	150	60	30	1.5	25.5	3	0	287.6	21.8	2.3	351.81	11000	96.8%
Toluene	150	70	20	1	17	2	0	287.6	14.9	1.6	239.92	17000	98.6%
Toluene	150	80	10	0.5	8.5	1	0	287.6	7.9	0.9	150.00	ND	--
Toluene	150	89.5	0.5	0.025	0.425	0.05	0	287.6	1.3	0.1	150.00	18	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Toluene) =	260	(ml/g)
K_H(Toluene) =	0.274	
Average Depth to Groundwater =	90	feet

Soil Composition:

0 - 30 ft depth (Silty sand, SM)
% Gravel = 5
% Sand = 65
% Silt = 30

30 - 45 ft depth (Sand, SS)
% Gravel = 5
% Sand = 85
% Silt = 10

45 - 50 ft depth (Silty sand, SM)
% Gravel = 5
% Sand = 65
% Silt = 30

50 - 90 ft depth (sand, SS)
% Gravel = 5
% Sand = 85
% Silt = 10

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Table A3 *Attenuation Factor Calculations for Ethylbenzene*
SADD LEASE - North Pad
Remedial Action Plan
Former SADD Lease Site
Los Angeles County, California

CHEMICAL	MCL [2] (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Ethyl Benzene	700	0.5	89.5	4.475	58.175	26.85	0	243.8	123.1	15.7	10989.73	NA	--
Ethyl Benzene	700	5	85	4.25	55.25	25.5	0	243.8	114.2	14.6	10188.50	6800	--
Ethyl Benzene	700	10	80	4	52	24	0	243.8	104.2	13.3	9298.24	12000	22.5%
Ethyl Benzene	700	15	75	3.75	48.75	22.5	0	243.8	94.2	12.0	8407.99	3600	--
Ethyl Benzene	700	20	70	3.5	45.5	21	0	243.8	84.2	10.7	7517.73	34000	77.9%
Ethyl Benzene	700	25	65	3.25	42.25	19.5	0	243.8	74.3	9.5	6627.47	460	--
Ethyl Benzene	700	30	60	3	51	6	0	243.8	64.3	6.9	4837.26	23000	79.0%
Ethyl Benzene	700	35	55	2.75	46.75	5.5	0	243.8	54.3	5.8	4086.65	370	--
Ethyl Benzene	700	40	50	2.5	42.5	5	0	243.8	44.3	4.8	3336.04	12000	72.2%
Ethyl Benzene	700	45	45	2.25	38.25	4.5	0	243.8	34.4	3.7	2585.43	6300	59.0%
Ethyl Benzene	700	50	40	2	26	12	0	243.8	24.4	3.1	2176.18	13000	83.3%
Ethyl Benzene	700	60	30	1.5	25.5	3	0	243.8	18.5	2.0	1394.93	14000	90.0%
Ethyl Benzene	700	70	20	1	17	2	0	243.8	12.7	1.4	955.04	17000	94.4%
Ethyl Benzene	700	80	10	0.5	8.5	1	0	243.8	6.8	0.7	700.00	ND	--
Ethyl Benzene	700	89.5	0.5	0.025	0.425	0.05	0	243.8	1.3	0.1	700.00	8.8	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Ethyl Benzene) =	220	(ml/g)
K_H(Ethyl Benzene) =	0.328	
Average Depth to Groundwater =	90	feet

Soil Composition:

0 - 30 ft depth (Silty sand, SM)		**30 - 45 ft depth (Sand, SS)**		**45 - 50 ft depth (Silty sand, SM)**		**50 - 90 ft depth (sand, SS)**	
% Gravel =	5	% Gravel =	5	% Gravel =	5	% Gravel =	5
% Sand =	65	% Sand =	85	% Sand =	65	% Sand =	85
% Silt =	30	% Silt =	10	% Silt =	30	% Silt =	10

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Table A4 *Attenuation Factor Calculations for Xylenes*
SADD LEASE - North Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL (2) (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Total Xylenes	1750	0.5	89.5	4.475	58.175	26.85	0	265.4	134.0	17.1	29905.65	NA	--
Total Xylenes	1750	5	85	4.25	55.25	25.5	0	265.4	124.3	15.8	27725.31	15000	--
Total Xylenes	1750	10	80	4	52	24	0	265.4	113.4	14.5	25302.71	18000	--
Total Xylenes	1750	15	75	3.75	48.75	22.5	0	265.4	102.5	13.1	22880.11	8700	--
Total Xylenes	1750	20	70	3.5	45.5	21	0	265.4	91.7	11.7	20457.51	87000	76.5%
Total Xylenes	1750	25	65	3.25	42.25	19.5	0	265.4	80.8	10.3	18034.91	1400	--
Total Xylenes	1750	30	60	3	51	6	0	265.4	70.0	7.5	13163.32	61000	78.4%
Total Xylenes	1750	35	55	2.75	46.75	5.5	0	265.4	59.1	6.4	11120.74	580	--
Total Xylenes	1750	40	50	2.5	42.5	5	0	265.4	48.3	5.2	9078.15	37000	75.5%
Total Xylenes	1750	45	45	2.25	38.25	4.5	0	265.4	37.4	4.0	7035.57	16000	56.0%
Total Xylenes	1750	50	40	2	26	12	0	265.4	26.5	3.4	5921.91	39000	84.8%
Total Xylenes	1750	60	30	1.5	25.5	3	0	265.4	20.2	2.2	3791.77	33000	88.5%
Total Xylenes	1750	70	20	1	17	2	0	265.4	13.8	1.5	2590.55	51000	94.9%
Total Xylenes	1750	80	10	0.5	8.5	1	0	265.4	7.4	0.8	1750.00	ND	--
Total Xylenes	1750	89.5	0.5	0.025	0.425	0.05	0	265.4	1.3	0.1	1750.00	55	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Xylenes) =	240	(ml/g)
K_H(Xylenes) =	0.22	
Average Depth to Groundwater =	90	feet

Soil Composition:

0 - 30 ft depth (Silty sand, SM)
% Gravel = 5
% Sand = 65
% Silt = 30

30 - 45 ft depth (Sand, SS)
% Gravel = 5
% Sand = 85
% Silt = 10

45 - 50 ft depth (Silty sand, SM)
% Gravel = 5
% Sand = 65
% Silt = 30

50 - 90 ft depth (sand, SS)
% Gravel = 5
% Sand = 85
% Silt = 10

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Table A5 *Attenuation Factor Calculations for Benzene*
SADD LEASE - South Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL [2] (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Benzene	1	0.5	59.5	2.975	38.675	17.85	0	73.2	19.0	2.4	2.42	NA	--
Benzene	1	5	55	2.75	35.75	16.5	0	73.2	16.3	2.1	2.08	ND	--
Benzene	1	10	50	2.5	32.5	15	0	73.2	13.3	1.7	1.70	2400	99.9%
Benzene	1	15	45	2.25	29.25	13.5	0	73.2	10.3	1.3	1.32	ND	--
Benzene	1	20	40	2	34	4	0	73.2	7.3	0.8	1.00	66000	100.0%
Benzene	1	25	35	1.75	29.75	3.5	0	73.2	6.5	0.7	1.00	ND	--
Benzene	1	30	30	1.5	25.5	3	0	73.2	5.7	0.6	1.00	ND	--
Benzene	1	35	25	1.25	21.25	2.5	0	73.2	5.0	0.5	1.00	ND	--
Benzene	1	40	20	1	17	2	0	73.2	4.2	0.4	1.00	1300	99.9%
Benzene	1	45	15	0.75	12.75	1.5	0	73.2	3.4	0.4	1.00	ND	--
Benzene	1	50	10	0.5	8.5	1	0	73.2	2.6	0.3	1.00	ND	--
Benzene	1	59.5	0.5	0.025	0.425	0.05	0	73.2	1.1	0.1	1.00	ND	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Benzene) =	65	(ml/g)
K_H(Benzene) =	0.229	
Average Depth to Groudwater =	60	feet

0 - 15 ft depth (Silty sand, SM)		**15 - 60 ft depth (Sand, SS)**	
% Gravel =	5	% Gravel =	5
% Sand =	65	% Sand =	85
% Silt =	30	% Silt =	10
% Clay =	0	% Clay =	0

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Table A6 *Attenuation Factor Calculations for Toluene*
SADD LEASE - South Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL [2] (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Toluene	150	0.5	59.5	2.975	38.675	17.85	0	287.6	74.6	9.5	1427.44	NA	--
Toluene	150	5	55	2.75	35.75	16.5	0	287.6	64.0	8.2	1224.95	ND	--
Toluene	150	10	50	2.5	32.5	15	0	287.6	52.3	6.7	999.96	ND	--
Toluene	150	15	45	2.25	29.25	13.5	0	287.6	40.5	5.2	774.97	ND	--
Toluene	150	20	40	2	34	4	0	287.6	28.8	3.1	463.71	130000	99.6%
Toluene	150	25	35	1.75	29.75	3.5	0	287.6	25.3	2.7	407.76	ND	--
Toluene	150	30	30	1.5	25.5	3	0	287.6	21.8	2.3	351.81	ND	--
Toluene	150	35	25	1.25	21.25	2.5	0	287.6	18.3	2.0	295.86	ND	--
Toluene	150	40	20	1	17	2	0	287.6	14.9	1.6	239.92	4000	94.0%
Toluene	150	45	15	0.75	12.75	1.5	0	287.6	11.4	1.2	183.97	ND	--
Toluene	150	50	10	0.5	8.5	1	0	287.6	7.9	0.9	150.00	ND	--
Toluene	150	59.5	0.5	0.025	0.425	0.05	0	287.6	1.3	0.1	150.00	ND	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Toluene) =	260	(ml/g)
K_H(Toluene) =	0.274	
Average Depth to Groudwater =	60	feet

0 - 15 ft depth (Silty sand, SM)		**15 - 60 ft depth (Sand, SS)**	
% Gravel =	5	% Gravel =	5
% Sand =	65	% Sand =	85
% Silt =	30	% Silt =	10
% Clay =	0	% Clay =	0

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Table A7 *Attenuation Factor Calculations for Ethyl Benzene*
SADD LEASE - South Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL [2] (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Ethyl Benzene	700	0.5	59.5	2.975	38.675	17.85	0	243.8	63.3	8.1	5648.19	NA	--
Ethyl Benzene	700	5	55	2.75	35.75	16.5	0	243.8	54.3	6.9	4846.96	ND	--
Ethyl Benzene	700	10	50	2.5	32.5	15	0	243.8	44.3	5.7	3956.70	ND	--
Ethyl Benzene	700	15	45	2.25	29.25	13.5	0	243.8	34.4	4.4	3066.44	ND	--
Ethyl Benzene	700	20	40	2	34	4	0	243.8	24.4	2.6	1834.82	ND	--
Ethyl Benzene	700	25	35	1.75	29.75	3.5	0	243.8	21.5	2.3	1614.88	ND	--
Ethyl Benzene	700	30	30	1.5	25.5	3	0	243.8	18.5	2.0	1394.93	ND	--
Ethyl Benzene	700	35	25	1.25	21.25	2.5	0	243.8	15.6	1.7	1174.98	ND	--
Ethyl Benzene	700	40	20	1	17	2	0	243.8	12.7	1.4	955.04	4300	77.8%
Ethyl Benzene	700	45	15	0.75	12.75	1.5	0	243.8	9.8	1.1	735.09	ND	--
Ethyl Benzene	700	50	10	0.5	8.5	1	0	243.8	6.8	0.7	700.00	130	--
Ethyl Benzene	700	59.5	0.5	0.025	0.425	0.05	0	243.8	1.3	0.1	700.00	ND	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Ethyl Benzene) =	220	(ml/g)
K_H(Ethyl Benzene) =	0.328	
Average Depth to Groudwater =	60	feet

0 - 15 ft depth (Silty sand, SM)		**15 - 60 ft depth (Sand, SS)**	
% Gravel =	5	% Gravel =	5
% Sand =	65	% Sand =	85
% Silt =	30	% Silt =	10
% Clay =	0	% Clay =	0

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Table A8 *Attenuation Factor Calculations for Xylenes*
SADD LEASE - South Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL [2] (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Total Xylenes	1750	0.5	59.5	2.975	38.675	17.85	0	265.4	68.9	8.8	15370.05	NA	--
Total Xylenes	1750	5	55	2.75	35.75	16.5	0	265.4	59.1	7.5	13189.71	ND	--
Total Xylenes	1750	10	50	2.5	32.5	15	0	265.4	48.3	6.2	10767.11	ND	--
Total Xylenes	1750	15	45	2.25	29.25	13.5	0	265.4	37.4	4.8	8344.51	ND	--
Total Xylenes	1750	20	40	2	34	4	0	265.4	26.5	2.9	4992.98	94000	94.7%
Total Xylenes	1750	25	35	1.75	29.75	3.5	0	265.4	23.3	2.5	4392.38	ND	--
Total Xylenes	1750	30	30	1.5	25.5	3	0	265.4	20.2	2.2	3791.77	ND	--
Total Xylenes	1750	35	25	1.25	21.25	2.5	0	265.4	17.0	1.8	3191.16	ND	--
Total Xylenes	1750	40	20	1	17	2	0	265.4	13.8	1.5	2590.55	5200	50.2%
Total Xylenes	1750	45	15	0.75	12.75	1.5	0	265.4	10.6	1.1	1989.95	ND	--
Total Xylenes	1750	50	10	0.5	8.5	1	0	265.4	7.4	0.8	1750.00	200	--
Total Xylenes	1750	59.5	0.5	0.025	0.425	0.05	0	265.4	1.3	0.1	1750.00	ND	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Xylenes) =	240	(ml/g)
K_H(Xylenes) =	0.22	
Average Depth to Groudwater =	60	feet

0 - 15 ft depth (Silty sand, SM)		**15 - 60 ft depth (Sand, SS)**	
% Gravel =	5	% Gravel =	5
% Sand =	65	% Sand =	85
% Silt =	30	% Silt =	10
% Clay =	0	% Clay =	0

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Appendix B

Soil Vapor Extraction System Calculations

Environmental Resources Management

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Project: Hasley Canyon-Live Valley Develop. | Project No. 9625.00 | Sheet 1 of 2
Subject: Soil Venting System Calcs | By: G. Burks | Date: 4/21/09
Chkd. by: | Date:

(1) According to boring logs, MW-1 & MW-2 lie in region of proposed SV system on North SADD Lease Pad

- Wells to be screened from ~ 10-20 ft bgs
  1) MW-1 : have fine to medium sand
  2) MW-2 : 10-15 ft : silty sand
     15-20 ft : fine to coarse sand

⇒ Conservative use 1 Darcy as soil permeability

Assume 8 inches Hg vacuum × $\frac{0.033 \text{ atm}}{\text{inch Hg}}$ = 0.26 atm

Use Graph giving steady state flowrates (per unit well screen depth)

Use conservative approach ⇒ Assumptions are:

1. 1 Darcy permeability
2. 4" SV well diameter, 30' radius of influence
3. 0.40 atm Vacuum applied (~ 10-12 inches Hg)

⇒ Using figure from Camp, Dresser & McKee (1991), need to multiply Q/H by 1.27

From Figure C 1 Darcy & 0.40 atm, Q/H ≈ 2

⇒ use 1.27(2) = 2.54 scfm/ft screen

have 10' of screen

North PAD have 3 wells

⇒ blower req = (3 wells)(2.54 $\frac{\text{scfm}}{\text{ft screen}}$)(10 $\frac{\text{ft screen}}{\text{well}}$) = **75 scfm**

Environmental Resources Management

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(714) 430-1476 · Fax (714) 436-2940

Project: Hinsley Canyon - Los Valles Devel. Project No. 5625.00 Sheet 2 of 2
Subject: Soil Venting System Design Calcs By: G. BURKS Date:
Chkd. by: Date:

(2) South Pad

use MW-4 for soil type:
from 10-12, have silty sand
12-20 have fine sands
⇒ assume 1 Darcy

Some Assumptions

1. 1 Darcy permeability
2. 4" well diameter, 30' radius of influence
3. 0.40 atm (~ 11 inches Hg)

⇒ need to mult. Q/H × 1.27

From Figure

@ 1 Darcy & 0.40 atm, Q/H = 2

⇒ use (2)(1.27) = 2.54 scfm/ft screen

Have 10' of screen

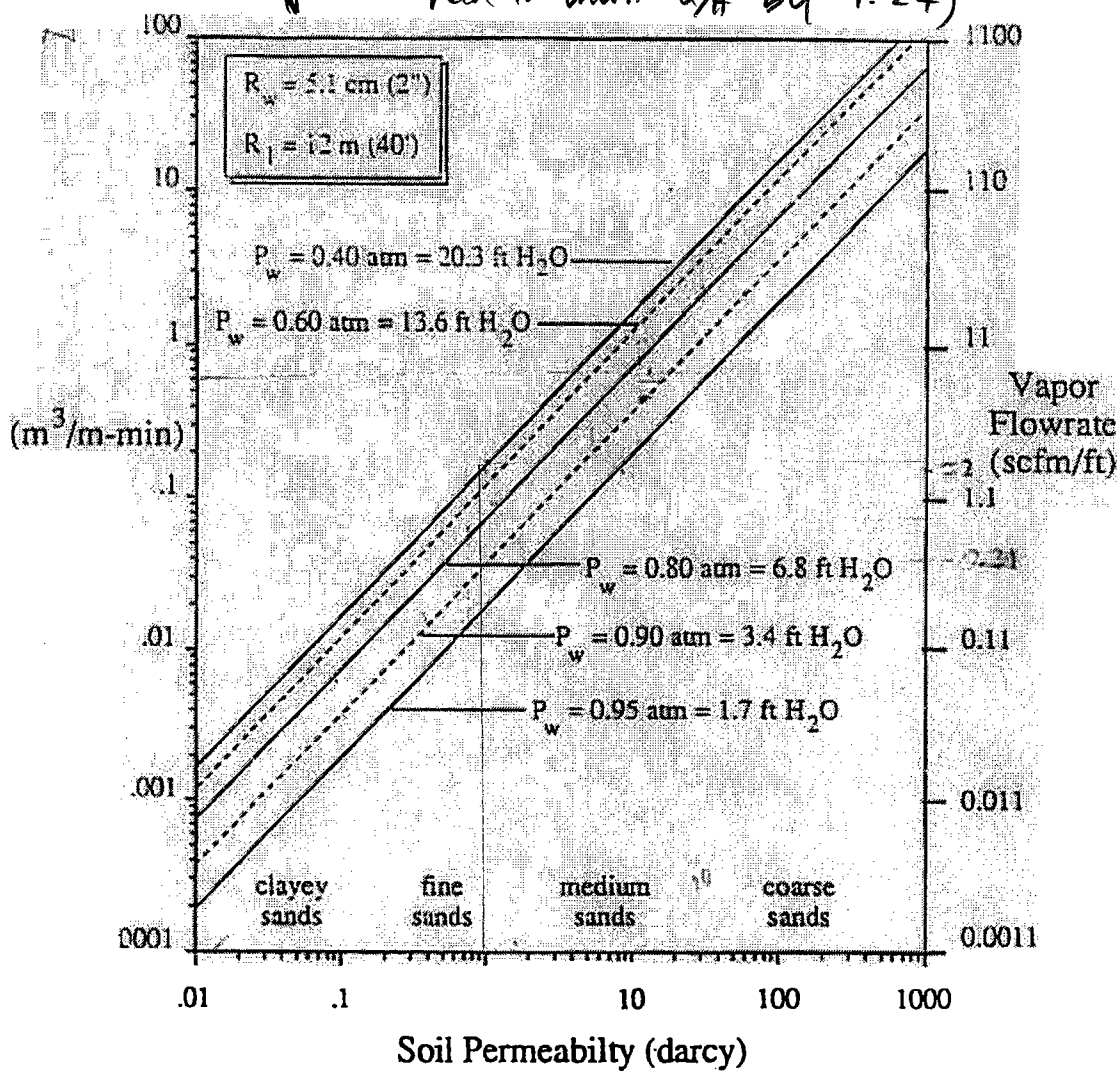
South Pad has 2 wells

⇒ blower rate = $(2)(\text{wells})(2.54)\left(\frac{\text{scfm}}{\text{ft-screen}}\right) \cdot \frac{10 \text{ ft screen}}{\text{well}}$

= 50 scfm

For 2" wells & 40' radius of influence

(for 4" wells & 25' radius of influence, need to mult Q/H by 1.27)



[ft H_2O] denote vacuums expressed as equivalent water column heights

Figure E-5. Predicted Steady-State Flowrates (per unit well screen depth) for a Range of Soil Permeabilities and Applied Vacuums (P_w).

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Health and Safety Plan

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Figure 2 *Route to Hospital*

1.0 INTRODUCTION

This Health and Safety Plan (HSP) has been developed by Environmental Resources Management (ERM) to establish the health and safety procedures required to minimize potential hazards to personnel conducting excavation and well installation activities at the 420-acre proposed development site (hereinafter "Site") located along the north flank of Hasley Canyon, approximately 3 miles northwest of the city of Santa Clarita, California. A site location map is shown on Figure 1. Previous investigations have indicated the need for further characterization and remediation of soil and ground water. This HSP provides guidelines regarding the health and safety aspects of the fieldwork associated with the project. The provisions of this HSP directly apply to ERM personnel and contractors who will be potentially exposed to safety and/or health hazards related to the project. This HSP does not directly apply to client personnel, although ERM will inform the client on the safety and health aspects of the work based on the guidelines specified in this HSP.

This HSP has been written to comply with ERM's health and safety policies. The procedures in this HSP have been developed based on current knowledge regarding the specific chemical and physical hazards that are known or anticipated to be potentially associated with the Site. All contractors who use this HSP must read and sign the "Disclaimers and Limitations on Use" included in Appendix A. It is ERM's policy that activities covered by this HSP must be conducted in complete compliance with this HSP and with all applicable federal, state, and local health and safety regulations, including:

- California Occupational Health and Safety Administration (Cal/OSHA), Title 8 of the California Code of Regulations (CCR) Section 5192; and
- California Occupational Health and Safety Administration (Cal/OSHA), Title 8 of the California Code of Regulations (CCR) , Construction Safety Orders, as applicable.;

On-site personnel who cannot, or will not, comply with the policies and requirements incorporated in the HSP will be excluded from project activities. Prior to the commencement of field activities, all ERM and subcontractor personnel covered by this HSP must review this document

and sign and return the Health and Safety Signature Sheet to the Project Manager. A copy of this form is provided in Appendix A.

1.1 SITE DESCRIPTION AND HISTORY

This section discusses the general location and history of the Halsey Canyon development. Site location and characteristics are described, hazardous chemicals associated with site activities and known releases are identified, and a list of probable remediation activities is presented.

1.1.1 Location

The 420-acre site of the planned development is located along the north flank of Hasley Canyon, approximately 3 miles northwest of the city of Santa Clarita (Figure 1). The topography of the site and the area in general, consists of fairly weathered hills cut by narrow gullies.

1.1.2 Operations History

The site is within the Hasley Canyon Oil Field, and oil production in the Santa Clarita area has been ongoing for over 100 years. The oil-producing zone at the site is reportedly present at a depth of 5,000 feet bgs. Three areas of former oil production located at the site are the primary areas of concern based on work performed by CEGE.

1.2 PRIOR INVESTIGATIONS

Based on information from prior investigations at this site, the sources of the known petroleum-hydrocarbon contamination are believed to be the oil well and related pits and sump areas and pipelines from former oil wells to the processing area. Stained and odorous soil was discovered when CEGE removed the pipelines in June and July of 2003. Subsequent subsurface investigations revealed three distinct areas of soil contaminated with petroleum hydrocarbons (reported as unrefined crude and a diluent product), ranging from depths of 10 bgs to 90 feet bgs, and ranging in concentration from below analytical detection limits to 24,000 milligrams per kilogram total petroleum hydrocarbons (TPH). Lower concentrations of benzene, toluene, ethylbenzene, and xylenes were also observed.

A single groundwater grab sample was collected from Boring B25 at 100 feet below grade. The benzene concentration at this location was reported to be 43 micrograms per liter. Low levels of gasoline-range hydrocarbons were detected at this location. No water level data is known to have been collected to date.

ERM conducted an investigation in December 2003 and January 2004 to further evaluate the extent of soil and groundwater impacts present at the Site. An extensive sampling program was performed consisting of the collection of 74 soil vapor samples, 11 surface soil samples, 23 subsurface soil samples at the three areas of concern (the locations of the three former oil production operations) and from the region adjacent to the existing oil production facility located north of Hasley Canyon Road. Eight groundwater monitoring wells were installed in the vicinities of the AEO Lease Burns/Crist Pad, SADD Lease North Pad, and SADD Lease South Pad. Ten groundwater samples were collected for analysis. Results of the analysis indicated the presence of only TPH-related constituents in the soil and groundwater and that only the SADD lease North and South Pads warranted further remediation through excavation and soil venting activities.

1.3 CONSTITUENTS OF CONCERN

Methane, total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) are the potential constituents of concern that have been identified in the soil and ground water at the site.

1.4 PROPOSED WORK

The following tasks may be conducted as part of the remediation phase of the project:

- Excavation of TPH-impacted soils using a backhoe or equivalent;
- Using a hollow stem auger drill rig, install 5 soil venting wells to a depth of 20 feet; and
- Using a hollow stem auger drill rig, install 7 groundwater monitoring wells.

In addition, tailgate safety meetings will be conducted at the start of each day's work activities.

2.0 *KEY PERSONNEL*

The organization and responsibilities for implementing safe project activities, and more specifically, the requirements contained in this HSP, are discussed in this section. The key personnel for this project are listed in Table 1.

Table 1 Key Personnel

Title	ERM Personnel
Project Manager (PM)	**Brett Bowyer.**
Task Manager/Site Health and Safety Officer (TM/HSO)	**Peter Decker**
Principal-in-Charge (PIC)	**Brett Bowyer**
Soil Scientist	**Peter Decker**
Internal Health and Safety Coordinator (IHSC)	**Robin Woolson**

Contractors will be used for this project for tasks such as drilling and sampling activities. All contractors will be trained according to regulations enforced by Cal/OSHA, 8 CCR 5192 and certified to work on hazardous waste sites. All contractors will be responsible for implementing and maintaining safety provisions specified in this HSP and applicable to their industry standards and state regulations under Title 8.

2.1 *PROJECT MANAGER*

ERM's PM is responsible for ensuring the overall health and safety of this project and for ensuring that the requirements described herein are understood and followed by key project personnel. The PM often serves in the role of TM/HSO and in such cases the PM is responsible for the tasks and responsibilities described in Section 2.2.

2.2 *TASK MANAGER/SITE HEALTH AND SAFETY OFFICER*

The ERM TM/HSO has primary responsibility for ensuring the overall health and safety of this project, including the primary responsibility for enforcing HSP requirements once work begins.

The TM/HSO has the authority to immediately correct all situations where HSP noncompliance is noted and to immediately stop work in cases where an immediate danger is perceived.

The TM/HSO's specific responsibilities include:

- Ensuring that all project personnel have received a copy of and have read this HSP, and have completed the Health and Safety Signature Sheet (Appendix A);
- Ensuring that all contractors who use this HSP read and sign the "Disclaimers and Limitations on Use" (Appendix A);
- Requiring the attendance of all Site personnel to a Job Safety Briefing (also referred to as tailgate safety briefing) apprising them of the contents of this HSP and the specific hazards identified to be present at the facility, prior to performing work and if work locations or task(s) change during a day, and documenting this briefing on the Job Safety Briefing Form (included in Appendix A);
- Ensuring that sufficient personal protective equipment (PPE), as required by this HSP, is available during the project, and procuring and distributing the PPE and air monitoring instrumentation needed for the project;
- Verifying that all PPE and health and safety equipment is in good working order;
- Obtaining all subcontractor documentation of employee participation in a medical monitoring and training program;
- Maintaining a high level of health and safety consciousness among employees at the facility;
- Maintaining communications with the IHSC, as referenced in the following section, in the event of any health and safety conflicts;
- Setting up and maintaining the personnel decontamination facility;
- Controlling Site entry for unauthorized personnel;
- Assuring completion of personal and ambient air monitoring;
- Supervising and monitoring the safety performance of all personnel to ensure that required health and safety procedures are followed and correcting any deficiencies;

- Conducting accident/incident investigations and preparing investigation reports (an Accident/Incident Investigation Form is included in Appendix A); and
- Initiating emergency response procedures.

2.3 *INTERNAL HEALTH AND SAFETY COORDINATOR*

ERM's IHSC is responsible for the preparation, interpretation, and modification of this HSP. Modifications to this HSP that may result in less stringent precautions cannot be undertaken by the TM/HSO without the approval of the IHSC.

Specific responsibilities of the IHSC include:

- Advising the TM/HSO on matters relating to health and safety on this project;
- Maintaining contact with the PIC in the case of injury, exposure, or other related issues;
- Recommending appropriate PPE and air monitoring instrumentation to protect personnel from potential hazards present on site;
- Performing field audits, when necessary, to monitor compliance with the HSP and its effectiveness;
- Conducting or directing personal exposure monitoring, where required and where deemed necessary, to determine the adequacy of protective measures and PPE specified by this HSP;
- Maintaining contact with the TM/HSO to regularly evaluate project conditions and new information that might require modification to this HSP;
- Working with the TM/HSO to ensure that sufficient PPE is available at the Site; and
- Conducting briefing meetings, when necessary, to apprise personnel of the contents of this HSP and the project hazards.

2.4 *PRINCIPAL-IN-CHARGE*

ERM's PIC is responsible for assisting the IHSC in case of injury, exposure, or with any other issues in which the IHSC may need guidance

or technical support. The PIC may also serve in the role of IHSC, and in such cases, the PIC is responsible for ensuring the tasks as described in Section 2.3 are accomplished as necessary.

2.5 FIELD PERSONNEL

All field and subcontractor personnel are responsible for following HSP procedures and for performing their work in a safe and responsible manner. Specific requirements include:

- Obtaining a copy of this HSP and reading it, in its entirety, prior to the start of field activities;
- Signing the Health and Safety Signature Sheet (Appendix A) acknowledging receipt and understanding of this HSP;
- Bringing forth any questions or concerns regarding the content of the HSP to the TM/HSO or IHSC prior to the start of work;
- Reporting accidents/incidents and the presence of potentially hazardous working situations to the TM/HSO; and
- Complying with the requests of the TM/HSO.

3.0 PARTICIPANT QUALIFICATIONS

To participate in this project, employees must be trained, as well as involved with medical surveillance and recordkeeping programs. The details associated with these requirements are briefly described below.

3.1 TRAINING REQUIREMENTS

All ERM and subcontractor personnel working on the Site will have completed an extensive training course and have previously worked at least 3 days at a hazardous waste site. The training course must be designed to meet the requirements of 8 CCR 5192. The training course must consist of a combination of 40 hours of classroom and field exercises, plus an annual 8-hour refresher.

All Site participants will be required to show proof of current training (less than 1 year since initial or refresher training) prior to participating in field activities. Intended participants without current training documentation will be excluded from Site activities.

Additionally, all personnel who are required to use respirators and other PPE must be trained in their proper selection, use, and limitations (see Section 6.1 - Personal Protection).

3.2 MEDICAL REQUIREMENTS

All on-site personnel, subcontractors, and visitors will be required to have a written statement from a licensed physician stating they have had a medical examination that meets the requirements of 8 CCR 5192. This examination must include pulmonary function testing, as well as certification by the physician of the employee's ability to wear a negative-pressure respirator and perform strenuous work. If a person sustains an injury or contracts an illness related to work on site that results in lost work time, he/she must obtain written approval from a physician to regain access to the Site.

3.3 RECORDKEEPING

Air monitoring (Section 5.0) via industrial hygiene monitoring or direct reading instrumentation will become part of the written record. Both medical and air monitoring data will be retained for 30 years. Training records shall be maintained in project files and are available for inspection at any time. Subcontractor training and medical surveillance certification will also be maintained in project files.

4.0 HAZARD EVALUATION

The following subsections present a summary of the potential chemical and physical hazards associated with Site activities based on known conditions.

4.1 CHEMICAL HAZARDS

Based on previous data collected from soil and ground water beneath the site and adjacent areas, the primary constituents of concern (COCs) at the Site are methane and petroleum hydrocarbons (TPH), and VOCs. These compounds may exist as chemical hazards in subsurface soil and water. The potential hazards associated with the above mentioned COCs are discussed in the following paragraphs. The occupational exposure limits (if established) for these COCs are presented below and Material Safety Data Sheets are included in Appendix B.

4.1.1 Petroleum Hydrocarbons

Most petroleum hydrocarbons, except those known to be carcinogenic, exhibit similar hazard effects in humans. Effects on the central nervous and upper respiratory systems, as well as skin irritation, predominate. Therefore, although a summary of the hazards of the identified petroleum hydrocarbons are listed separately as follows, additive effects of the mixture will be taken into consideration when determining established action levels. In the absence of a permissible exposure limit (PEL) for crude petroleum hydrocarbons, the PEL for gasoline is used as 300 parts per million (ppm) as a conservative measure and a short-term exposure limit (STEL) is 500 ppm. A PEL refers to the permitted 8-hour time-weighted average concentration that a worker may be exposed to without experiencing adverse health effects whereas a STEL pertains to a 15-minute exposure duration.

4.1.1.1 Methane

Methane is a colorless and odorless gas. It is not very soluble in water and at room temperature is less dense than air. Methane is combustible where mixtures of 5 to 15 percent in the air are explosive. Primary routes of entry are by inhalation. Although methane is not toxic when inhaled, it can cause suffocation because it reduces the amount of oxygen inhaled.

Effects of overexposure include suffocation, dizziness, headache, nausea, loss of consciousness, and death. A current CAL-OSHA PEL for methane is not established because as a gas and vapor, when present in high concentrations, it operates primarily as an asphyxiant without other adverse effects. Thus, it depletes the required amount of oxygen needed to sustain life.

4.1.2 Volatile Organic Compounds

Most VOCs, except those known to be carcinogens upon chronic exposure, affect the central nervous system and can cause depression; weakness; abdominal pain; eye, lung, and skin irritation; drowsiness; unconsciousness; liver and kidney damage; and nausea. Respiratory and dermal protection must be provided when contact is suspected. Exposed skin should be washed immediately to avoid skin absorption. Although a summary of the hazards of the identified hydrocarbons are listed separately below, additive effects of the mixture will be taken into consideration when determining established action levels

4.2 PHYSICAL HAZARDS

Physical hazards associated with remediation activities include vehicular traffic, slips (on wet surfaces), trips (on or around debris), falls, contact- and crushing-type injuries (with drilling equipment or other heavy equipment), sharp objects or flying debris, flammability, and heat-stress concerns. The potential for such hazards necessitates the use of gloves, safety shoes, or boots that meet American National Standards Institute (ANSI) Z41.1, eye protection that meets ANSI Z87.1, and hard hats that meet ANSI Z89.1. Personnel engaged in strenuous physical labor are to wear sturdy work gloves.

Additionally, previous experience indicates the noise level during use of drilling equipment such as air rotary/casing hammer or resonant vibration exceeds the Cal/OSHA action level of 85 dBA (decibels on A-weighted scale). Therefore, all personnel working in the exclusion zone during use of this equipment shall wear hearing protection in the form of plugs and/or muffs.

The location of all underground pipes, electrical conductors, fuel lines, water and sewer lines must be determined prior to any subsurface work (especially drilling and excavation activities). All lines must be de-energized, locked-out or blinded off where feasible. In addition, note the

presence of overhead hazards, e.g. powerlines, and avoid conducting activities such as drilling underneath these areas.

See Table 2 for a list of potential physical hazards that may be present and the procedures that will be utilized to minimize these potential hazards.

Table 2 Potential Physical Hazards

Potential Hazard	Source of Hazard	Procedures to Be Used to Minimize Hazard
Struck by heavy equipment	Drill rigs, backhoes, and other heavy equipment.	Maintain eye contact with equipment operators. Use proper PPE (i.e. hard hats, steel-toed boots, reflective vests, etc.). Maintain in pedestrian areas.
Puncture of utility line	Electrical, gas, water, or sewer line underground.	Locate existing utilities prior to start of operations. Maintain marked lines.
Slip, trips, or falls due to refuse and debris	Construction refuse and materials, trash, or excavated materials.	Maintain clean work areas and dispose of refuse promptly.
Fire/electrical hazard	Spark or heat producing equipment in the vicinity of combustibles.	Operate equipment away from combustibles such as vegetation. Maintain portable fire extinguishers nearby. Eliminate ignition sources. Bond or ground equipment if working in wet and/or flammable areas. Ground all portable generators.
Heat stress	Personnel working in environments with high ambient temperatures may be subject to adverse temperature-related effects.	Employ the buddy system. Each worker will be responsible to monitor his/her buddy for signs of heat stress (loss of concentration, profuse sweating, dizziness, etc.). The TM/HSO will also monitor working conditions via use of an ambient monitor when conditions warrant. Work/rest regimens may be followed (Table 3).
Dust	Automobiles/trucks/walking	Vehicles should be driven slowly and water can be used to moisten soil if necessary.
Struck by vehicular traffic in public right-of-way	Automobiles/trucks	Utilize traffic control plan (prepared by subcontractor) and traffic control devices and maintain physical barrier between work zone and active traffic.
Unknown materials or hazards	Unexpected discovery or dumping	Do not move materials; isolate only if safe to do so, and call emergency services applicable such as the fire department, utility, etc.

4.2.1 *Use of Equipment*

Any equipment, including earth moving equipment, drill rigs, cranes, or other heavy machinery, will be operated in strict compliance with the manufacturer's instructions, specifications, and limitations, as well as any applicable regulations and operated by appropriately trained personnel or contractor

Any equipment or machinery that cannot be operated safely will be tagged and will not be operated until the unsafe condition has been removed or repaired. All repaired equipment will remain out of service until a designated qualified person has tested and inspected the equipment.

The contractor of heavy equipment operator will clearly designate the zone(s) associated with each piece of heavy equipment where the potential for injuring workers exists. No site personnel will be permitted to enter or access this zone without prior approval from the operator.

All heavy equipment provided or leased on Site shall be equipped with audible backup warning devices. The operator is responsible for inspecting the equipment daily to ensure that it is functioning properly and safely. This inspection will include all pins, pulleys, and connections subject to faster than normal wear and all lubrication points. In addition, the contractor will verify that the kill switch is properly functioning on the drilling prior to use.

When equipment with moving booms, arms, or masts is operated in the vicinity of overhead hazards, the operator, with assistance from the designated signaling person, will ensure that the moving parts of the equipment maintain safe clearances to the hazards. Equipment will be kept away from energized electrical lines by at least 25 feet. Drill rigs and other equipment not specifically designed to move with the boom, mast, or arm elevated will be returned to traveling position and conditioned before being moved.

All portable equipment and tools will be inspected prior to each day's use and as often as necessary to ensure safety. Defective equipment and tools will be removed from service immediately. Examples of defective tools include:

- Hooks and chains stretched beyond allowable deformations;
- Cables and ropes with more than the allowable number of broken strands;
- Missing grounding prongs on power tools;
- Defective on/off switches;
- Mushroomed heads of impact tools;
- Sprung wrench jaws;
- Missing or broken handles or guards; and
- Wooden handles that are cracked, splintered, or loose.

All equipment and tools will be used within their rated capacities and capabilities.

The location of all underground pipes, electrical conductors, fuel, water and sewer lines must be determined prior to any drilling work. All lines must be de-energized, locked-out, or blinded off where feasible.

4.2.2 *Flammability Hazards*

The nature of this project and the operations to be performed may increase volatilization and cause a flammability hazard. Certain solvents can be extremely flammable. Oxidation products from burning can be extremely deadly.

All electrical equipment used during the project will be inspected to ensure that they are in good repair and have no frayed or loose connections before they may be used on site. Only approved, listed equipment and components will be used. All connections will be made in accordance with National Electric Code practices. All equipment and devices so designed will be properly grounded or bonded to an adequate grounding mechanism. Although explosive limits are not expected, only equipment listed as explosion-proof will be used in areas where explosivity is sustained at or above 10 percent of the lower explosion limit (LEL). Also, a fire extinguisher specified in Section 7.6 should be at the Site.

4.2.3 *Thermal-Stress Concerns*

Thermal stress includes heat stress, as well as cold injury. It should be noted that both types of thermal stress could occur simultaneously. The ambient air temperature, wind velocity, humidity, and activity level of the worker, as well as the type of protective equipment employed, are all factors which play a role in producing temperature stresses. Workers will be trained on the signs and symptoms of these forms of temperature stresses and will be encouraged to monitor themselves and others.

The human body has a regulator mechanism that maintains the body's core temperature at 98.6 degrees Fahrenheit. The body's energy is devoted to keeping the temperature within a fairly narrow range. When the body overheats, heat loss occurs primarily through evaporation via sweating and by radiant heat loss by dilation of blood vessels in the skin. When body temperature drops, involuntary shivering produces heat while constriction of the blood vessels in the skin reduces radiant heat loss.

Protective clothing designed to protect against chemicals interferes with the evaporative cooling mechanism. As a result, heat stress can develop rapidly in non-acclimated individuals. Cold stress can occur when the heat produced by intense activity is reduced by the stoppage of work. Chemical protective clothing offers no insulation and little protection against the cold; it does not retain body heat well. The water-saturated atmosphere that can occur within protective clothing loses heat more rapidly than ambient air; thus, heat loss can occur rapidly. During episodes of heavy work, it is possible for a worker to suffer symptoms of heat stress, only to experience cold stress when activity levels decrease or the work stops.

4.2.3.1 *Heat-Stress Concerns*

There are varying symptoms of heat stress, depending on its severity. Many heat-related problems occur in workers who are unaccustomed to heavy workloads and heat, or who are in poor physical condition. Obesity, alcohol or drug use, age, and the presence of other complicating factors, such as disease, also affect an individual's response to hot environments. In heat conditions, the work/rest regimen shown on Table 3 should be as followed. Heat stress is a general term used to describe one or more of the following heat-related disabilities and illnesses:

Heat Cramps are a condition characterized by painful, intermittent spasms of the voluntary muscles following hard physical work in a hot environment. Cramps usually occur after heavy sweating and often begin at the end of a work shift.

Heat Exhaustion is a condition characterized by profuse sweating, weakness, rapid pulse, dizziness, nausea, and headache. The skin is cool and sometimes pale and clammy with sweat. Body temperature is normal or subnormal. Nausea, vomiting, and unconsciousness may occur.

Heat Stroke is a condition in which sweating is diminished or absent. The skin is hot, dry, and flushed. Increased body temperature, if uncontrolled, may lead to delirium, convulsions, coma, and even death. **Medical attention is needed immediately.**

When selecting chemical protective clothing and equipment, each item's benefit should be carefully evaluated for its potential for increasing the risk of heat stress. For example, if a lighter, less insulating suit can be worn without a sacrifice of protection, then the lighter suit should be worn.

Workers will be trained on the signs and symptoms of the forms of heat stress and will be encouraged to monitor themselves and others. In addition, experience has shown that the following work/rest regimen (Table 3) is appropriate for acclimatized field workers performing light to moderate work while wearing Level D protection. When upgrading the level of personal protection is deemed necessary, heat-stress conditions should be taken into consideration.

Table 3 Work/Rest Regimen in Level D Protection

Wet Bulb, Globe Temperature °Fahrenheit (F)/°Celsius (C)	**Water Intake (quarts per hour)**	**Work/Rest Cycle (Minutes)**
82 – 84 (28 - 29)	At least 0.5	50/10
84 – 88 (29 – 31)	At least 1	45/15
86 - 90 (31 – 32)	At least 1.5	30/30
90 and above (above 32)	More than 2	20/40

The workload classes are defined in The American Conference of Governmental Industrial Hygienists' booklet, *Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 2003*.

5.0 EXPOSURE MONITORING PLAN

To identify and prevent the exposure of workers, an exposure monitoring plan will be followed. The following subsections summarize the details of the general area monitoring program, as well as the action levels that will be used to determine mitigating actions necessary.

5.1 GENERAL AREA AND PERSONAL MONITORING

Air monitoring maybe conducted to determine the presence of on-site hazardous conditions and will help determine the level of personal protection required for personnel. Environmental monitoring equipment includes a photoionization detector (PID) or a flame ionization detector (FID). In addition, a Miniature real-time aerosol monitor (Mini-RAM) dust monitor will be used during excavation activities if conditions warrant its use. Characterization with these instruments will determine airborne contaminants present and the respective concentrations in the workplace, and will help assess worker safety.

The intent of general area monitoring is to utilize generic field instruments and action levels to assess the continuous exposure to field personnel during Site activities, and upgrade or downgrade PPE as appropriate. Perimeter air monitoring will not be performed since the generation of dust or airborne contaminants is expected to be minimal. The general monitoring shall consist of daily breathing zone monitoring every 30 minutes using the PID or FID (<u>and Mini-RAM if necessary</u>) during Site activities. Daily calibration and maintenance of the PID or FID will also be recorded and performed according to the manufacturer's recommendations (see Appendix A for calibration documentation sheet). The Mini-RAM will be zeroed out during each day of use. All breathing zone readings will be recorded on ERM's Air Monitoring Form (provided in Appendix A).

5.2 ACTION LEVELS

The TM/HSO will establish daily background total organic vapor (TOV) and dust levels prior to initiating Site activities. Under most circumstances, this level can be determined by taking multiple readings at

representative locations along the perimeter of the Site, and averaging the results of sustained measurements.

Decisions to upgrade personal protection will be based on sustained breathing zone TOV and/or total dust that exceeds background levels. Breathing zone refers to the area from the top of the shoulders to the top of the head. Specific criteria for upgrading personal protection based on TOV are presented in Table 4 as follows.

Table 4 ***Criteria for Upgrading Respiratory Protection***

Sustained Breathing Zone TOV and Dust	Level of Respiratory Protection
Background + 5 ppm or Background + 0.5 mg/M^3	Level D (no respiratory protection)
5 to 20 ppm or 0.5 mg/M^3 to 2 mg/M^3	Level C (half-face, air-purifying respirators, equipped with organic vapor/high-efficiency particulate air [HEPA] cartridges)
20 to 50 ppm or 2 mg/m^3 to 5 mg/M^3	Level C (full-face, air-purifying respirators equipped with organic vapor/HEPA cartridges)
Above 50 ppm or 5 mg/M^3	Cease activities, evacuate the exclusion zone.

6.0 GENERAL SAFE WORK PROCEDURES

Personal protection, work zone and decontamination procedures, and general safety rules are described in the following subsections.

6.1 PERSONAL PROTECTION

Initial protection will include the Level D requirements for PPE, and will be upgraded based on sustained PID/FID readings, or Mini-Ram readings (if conditions warrant its use), compared to the action levels listed in Table 4. Level D protection is planned based on the site characterization data accumulated, and interpreted prior to beginning Site activities. Engineering controls and work practices will be increased and/or altered prior to upgrading PPE to eliminate the increased hazard. If additional PPE is still necessary, work shall proceed under Level C protection. Levels of PPE are described below.

6.1.1 Level D Protection

Level D protection consisting of the following items is required for sustained PID/FID readings of less than 5 ppm above background, or for Mini-Ram readings of less than 0.5 mg/M^3 above background.

- Long-sleeve shirt and long pants;
- Outer nitrile gloves for material handling (inner nitrile or similar surgical gloves are recommended when practical) and leather work gloves when shoveling soil without free product (to be disposed of properly according to local and state regulations if used in handling contaminated soils);
- Steel-toed safety boots;
- Safety glasses;
- Hard hat; and
- Orange reflective vest.

Other personal protection readily available for use, if necessary, includes the following:

- Chemical-resistant outer gloves; and

- Hearing protection.

6.1.2 *Level C Protection*

Level C protection is required for sustained PID/FID readings of 5 to 20 ppm above background, or Mini-Ram readings of 0.5 mg/M^3 to 2 mg/M^3 above background. Level C protection consists of Level D protection, plus the following:

- Half-face APR or full face APR equipped with combination organic vapor/HEPA filter cartridges;
- Chemical resistant clothing (i.e., Tyvek, polycoated Tyvek, or Saranex), consisting of one-piece suits with attached hoods, booties, and elastic wrist bands;
- Outer nitrile gloves and inner nitrile gloves; and
- Steel-toed safety boots with chemically resistant overboots.
- Duct tape with emergency tabs.

During work activities, sustained PID/FID readings of 20 to 50 ppm above background, or Mini-Ram readings of 2 mg/M^3 to 5 mg/M^3, require Level C protection, with the substitution of a full-face APR equipped with organic vapor/HEPA filter cartridges, in place of half-face APR and safety glasses.

Sustained PID/FID readings over 50 ppm above background, or Mini-Ram readings above or 5 mg/M^3, require an immediate cessation of activities, and an evacuation of personnel from the exclusion zone. Questions regarding personal protection and related issues should be addressed to the TM/HSO.

6.2 *WORK ZONES AND DECONTAMINATION PROCEDURES*

Work zones and decontamination procedures will be established in accordance with guidance provided in Chapters 9 and 10 of the *Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities*, published in 1985 by the National Institute for Occupational Safety and Health, FED-OSHA, and EPA. An exclusion zone will be established when the TM/HSO determines that one is necessary based on the type of work to be performed and the anticipated TOV and dust levels in the work area. Exclusion zones will be marked with yellow caution

tape. The location of the zones may be modified to fit applicable field conditions, however, proposed modifications must be approved by the TM/HSO.

All sampling equipment will be washed between sampling intervals with a non-phosphate solution, followed by two potable water rinses, and a final rinse in de-ionized water, or a steam cleaner.

Decontamination procedures will be implemented for Level C PPE. A minimum of one basin wash/rinse station will be placed in the contamination/reduction zone to facilitate cleaning and removal of PPE. The wash/rinse station will be used by workers to clean and rinse non-disposable boots and gloves. The ground beneath these basins will be covered with plastic to ensure the ground is not contaminated with basin rinse water. A drum or another type of container will be designated to dispose of PPE that will not be reused.

All personnel must follow the appropriate order for cleansing and removal during decontamination:

1. Boots;
2. Outer gloves;
3. Coveralls or protective suit;
4. Respirators; and
5. Inner gloves.

Direct contact with contaminated protective equipment can be avoided by following the proper decontamination sequence. To avoid a potential inhalation hazard during decontamination, respirators, if used, must not be removed before leaving the contaminated area.

Place contaminated garments in designated plastic bags or drums prior to disposal or transfer offsite. Labels in compliance with the hazard communication standard will be affixed to containers of contaminated debris and clothing.

Water, soap, and paper towels will be available for cleaning of hands and face before breaks, eating, drinking, or smoking. On-site toilet facilities or an easily accessible toilet facility will also be available.

6.3 *GENERAL SAFETY RULES*

In addition to the specific requirements of this site-specific HSP, common sense should prevail at all times. The following general safety rules and practices will be in effect at the Site:

- The Site will be suitably marked or barricaded as necessary to prevent unauthorized visitors, but will not hinder emergency services, if needed. All visitors will be required to sign in on visitors log sheet provided in Appendix A.
- All open holes, excavations, trenches, and obstacles will be properly barricaded in accordance with local Site needs. These needs will be determined by proximity to traffic ways, both pedestrian and vehicular, and site of the hole, trench, or obstacle. If holes are required to be left open during non-working hours, they will be adequately decked over or barricaded and sufficiently lighted.
- Prior to conducting any digging or boring operations, underground utility locations will be identified. The Site representative and local utility authorities (or Underground Alert) will be contacted to provide locations of underground utility lines and product piping. All boring, excavation, and other Site work will be planned and performed with consideration for underground lines.
- Smoking and ignition sources in the vicinity of flammable or contaminated material are prohibited. Designated smoking areas will be delineated.
- Dust suppression shall be utilized during all earth moving activities. A light water mist will be necessary and required during excavation activities to keep dust migration to an absolute minimum.
- No excavation activities will be allowed on excessively windy days. For purposes of this HSP, excessive wind will be defined as wind with sufficient velocity to render dust suppression techniques at the Site inadequate. This determination will be made by visual observations by the designated TM/HSO. If dust is observed blowing from the work area off site, work activities will cease. Personnel should keep themselves upwind from impacted areas during windy days.
- Stockpiled soils shall be covered with plastic while not being loaded. The TM/HSO must inspect the stockpiled soil periodically to ensure that the plastic sheeting remains in place.
- Drilling, boring, movement and use of cranes and drilling rigs, erection of towers, movement of vehicles, and equipment as well as other

activities will be planned and performed with consideration for the location, height, and relative position of aboveground utilities and fixtures, including signs, lights, canopies, buildings, other structures, and construction as well as natural features such as trees, boulders, bodies of water, and terrain.

- When working in areas where flammable vapors may be present, particular care must be exercised with tools and equipment that may be sources of ignition. All tools and equipment so provided must be properly bonded and/or grounded.
- Beards that interfere with respirator fit are not allowed within the Site boundaries. This is necessary because all Site personnel may be called upon to use respirator protection in some situations, and beards do not allow for proper respirator fit.
- No smoking, eating, or drinking will be allowed in the contaminated areas.
- Tools and hands must be kept away from the face.
- Personnel must shower at the end of the shift or as soon as possible after leaving the Site.
- Each sample must be treated and handled as though it was extremely toxic.
- Do not touch obvious contaminated materials. Avoiding contact with these materials will facilitate decontamination.
- Persons with long hair and/or loose-fitting clothing that could become entangled in power equipment are not permitted in the work area.
- Employees shall be suitably dressed to perform their duties safely and in a manner that will not interfere with their vision, hearing, or free use of their hands or feet. Only waist-length shirts with sleeves and trousers that cover the entire leg are to be worn.
- Horseplay is prohibited in the work area. The TM/HSO has the authority to discharge Site personnel for horseplay.
- Work while under the influence of intoxicants, narcotics, or controlled substances is prohibited.

7.0 EMERGENCY RESPONSE/ACCIDENT INVESTIGATION

The telephone numbers of the police and fire departments, ambulance services, local hospital, and ERM representatives are provided in the reference sheet in Section 8.0 of this HSP. Directions to the nearest hospital are also provided on the sheet. (A map to the hospital is provided on Figure 2). The reference sheet will be maintained at the work site by the TM/HSO.

Any accident/incident resulting in an OSHA-recordable injury or illness, treatment at a hospital or physician's office, property damage, or a near-miss accident requires that an accident/incident report be completed and submitted to the ERM IHSC. A copy of this form is provided in Appendix A. The investigation will be initiated as soon as emergency conditions are under control. The purpose of this investigation is not to attribute blame, but to determine the pertinent facts so that repeat or similar occurrences can be avoided.

7.1 PLANNING

Prior to facility entrance, the TM/HSO shall plan emergency actions and discuss them with personnel conducting project work. Initial planning includes establishing the best means for evacuation from the area in case of a catastrophe.

7.2 EMERGENCY SERVICES

A tested system must exist for rapid and clear distress communications, preferably voice, from all personnel to the TM/HSO. The TM/HSO shall ensure that all personnel working at the facility know how to communicate with the appropriate local emergency response units as well as provide adequate and clear directions between work locations and the locations of support personnel, prior to commencing any facility investigation or operations. Emergency response contacts and telephone numbers are included in the emergency reference sheet provided in Section 8.0. A copy of this information must be posted in a visible location at the project site before operations commence.

7.3 *GENERAL EVACUATION PLAN*

In case of fire, explosion, or toxic vapor release and the TM/HSO orders a Site evacuation, the following steps shall be performed:

1. Announce the evacuation via radio/horn. Three blasts of a car, truck, air horn will be used to signal emergencies that require evacuating.
2. Evaluate the immediate situation and downwind direction. All personnel will evacuate in the upwind direction.
3. Assemble all personnel in an upwind area when the situation permits.
4. Account for all personnel.
5. Determine the extent of the problem.
6. Assist emergency teams with information and announce when it is safe to return to the site, based on clearance from the external Incident Commander in charge of the emergency

7.4 *EVACUATION/MEETING POINT*

In the case of an emergency, utilize the following locations as evacuation/meeting points, and provide this information to emergency personnel:

1. Site entrance on Hasley Canyon.
2. The intersection of Hasley Canyon and Commerce Center Drive.

The TM/HSO shall meet emergency personnel and guide them to the incident scene.

7.5 *FIRST AID*

Qualified personnel on site shall give first aid and stabilize any worker needing assistance. Life support techniques such as cardiopulmonary resuscitation and treatment of life-threatening problems such as bleeding, airway maintenance, and shock shall be given top priority. Professional medical assistance shall be obtained at the earliest possible opportunity. If assistance beyond first aid is required, **phone 911, and request emergency medical assistance**.

A first aid kit and emergency eyewash shall be maintained readily accessible to all workers. First aid kits must be maintained in all self-propelled equipment. The portable eyewash shall be supplemented by at least two, 5-gallon carboys full of potable water, which will substitute as the continuous-flowing eyewash facility. Emergency first aid for exposure, inhalation, or exposure to organic compounds is summarized in the following paragraphs.

7.5.1 Eyes

Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. If injury occurs or irritation persists, transport person to emergency room as soon as possible.

7.5.2 Skin

Wash skin thoroughly with soap and water. See a doctor if any unusual signs or symptoms or if any skin irritation occurs. Launder chemically impacted clothing.

7.5.3 Inhalation

Move exposed person to fresh air. If breathing has stopped, apply artificial respiration. **Call 911 immediately**.

7.5.4 Ingestion

If swallowed, DO NOT induce vomiting. **Call Poison Control Center immediately 1-800-876-4766**.

7.5.5 Heat Stress

Persons exhibiting any of the signs of heat stress should be immediately moved to a cooler environment, such as an air-conditioned trailer or vehicle. First aid for the specific types of heat stress include:

Heat Stroke. Call 911, begin cooling the individual by soaking their clothes in cool water and fanning.

Heat Exhaustion. Replenish fluids by having the individual drink an electrolyte solution (such as Gatorade[RN] or other sports drink and water). If vomiting or loss of consciousness occurs, call 911.

Heat Cramps. Replenish salt balance by having the individual drink an electrolyte solution (see above). If cramps persist, person may need medical attention.

7.6 FIRE PROTECTION AND RESPONSE

To ensure that fire and explosion hazards are minimized, plans and procedures must be coordinated with the local Fire Department. A permit may be required before gasoline or other flammable liquids may be removed. **Call 911 in the event of any fire at a work location**. In the event of a fire or explosion at a work location, general evacuation plan described above in Section 7.3.

At least one fire extinguisher, with a minimum class rating of 20ABC, shall be provided within 50 feet of the Site activities. A fire extinguisher must be kept in each piece of self-propelled equipment. Site personnel must not attempt to extinguish large fires, but rather call 911 immediately.

8.0 EMERGENCY REFERENCES

The following subsections provide emergency telephone numbers, information regarding the nearest hospital, and directions to the Site.

8.1 KEY TELEPHONE NUMBERS

AMBULANCE:.....911
POLICE: 911
FIRE: 911
HOSPITAL:.....911
HENRY MAYO NEWHALL MEDICAL HOSPITAL: 1-661-253-8000
NATIONAL RESPONSE CENTER: 1-800-424-8802
POISON CONTROL CENTER: 1-800-876-4766
TOXLINE:.....1-301-496-1131
ERM INTERNAL HEALTH AND SAFETY COORDINATOR (ROBIN WOOLSON):.....1-714-430-1476
ERM PRINCIPAL-IN-CHARGE (BRETT BOWYER):…..... ……1-714-430-1476
ERM PROJECT MANAGER (BRETT BOWYER): 1-714-430-1476
SANTA CLARITA FIRE DEPARTMENT – STATION 11 1-661-296-5758

8.2 NEAREST HOSPITAL

Henry Mayo Newhall Medical Hospital 1-661-253-8000
23845 McBean Parkway, Santa Clarita, California

A map showing the route from the site to the hospital is provided as Figure 2.

8.2.1 Directions to Hospital

FROM HALSEY CANYON ROAD:

- Merge onto I-5 S toward LOS ANGELES for approximately 3.93 miles.
- Take the VALENCIA BLVD exit (0.25 miles).
- Turn LEFT onto VALENCIA BLVD (1.17 miles).
- Turn RIGHT onto MCBEAN PKWY (1.34 miles).

8.2.2 Directions to Hasley Canyon

From Interstate 5 (either direction) exit onto Halsey Canyon Road and heading west. Follow Halsey Canyon Road approximately 1.5 miles to the Site.

8.3 ERM REPRESENTATIVES

The following ERM representatives will serve in the role of TM/HSO:

Brett Bowyer – Project Manager
Peter Decker – Soil Scientist

ERM's IHSC is Robin Woolson (1-714-430-1476).

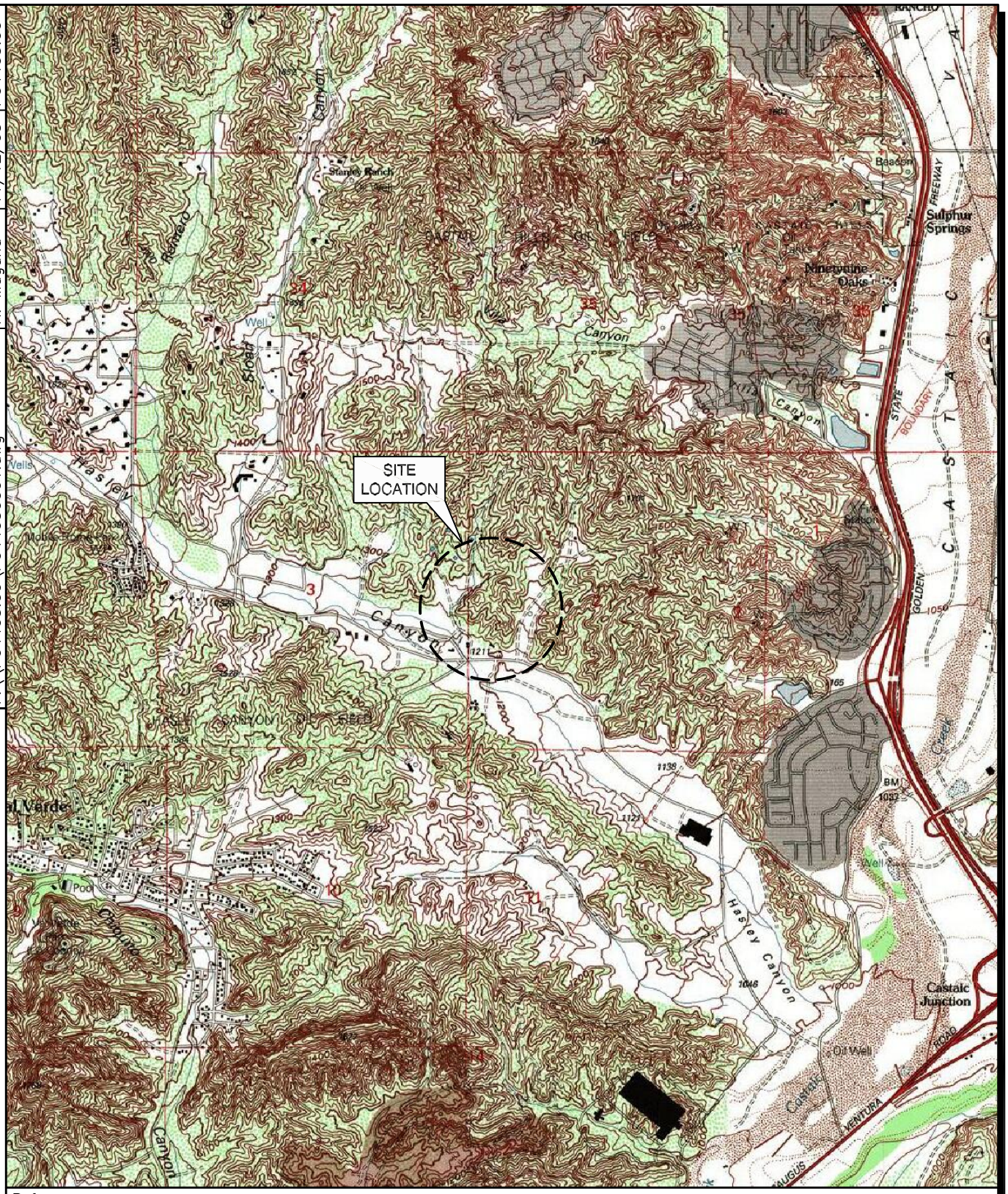
Figures

Project No. P04405.00

Date: 11/12/03

Drawn By: H. Magaña

CAD File: F:\P04405.00\P04050001.dwg



References:
Seamless U.S.G.S. 7.5 Minute Topographic Series
Map created with TOPO!® © 2001
National Geographic Holdings

0 1250' 2500' 5000'
SCALE IN FEET

N

Figure 1
Site Location Map
Hasley Canyon
Los Angeles County, California

ERM 11/03

Privileged and Confidential Attorney–Client Work Product

DIRECTIONS TO HENRY MAYO NEWHALL MEDICAL HOSPITAL:

1: Start out going East on HASLEY CANYON RD toward GIBRALTAR LN. (1.67 miles)

2: Merge onto I-5 S toward LOS ANGELES. (3.93 miles)

3: Take the VALENCIA BLVD exit. (0.25 miles)

4: Turn LEFT onto VALENCIA BLVD. (1.17 miles)

5: Turn RIGHT onto MCBEAN PKWY. (1.34 miles)

Total Estimated Time: 11 minutes; Total Distance: 8.34 miles

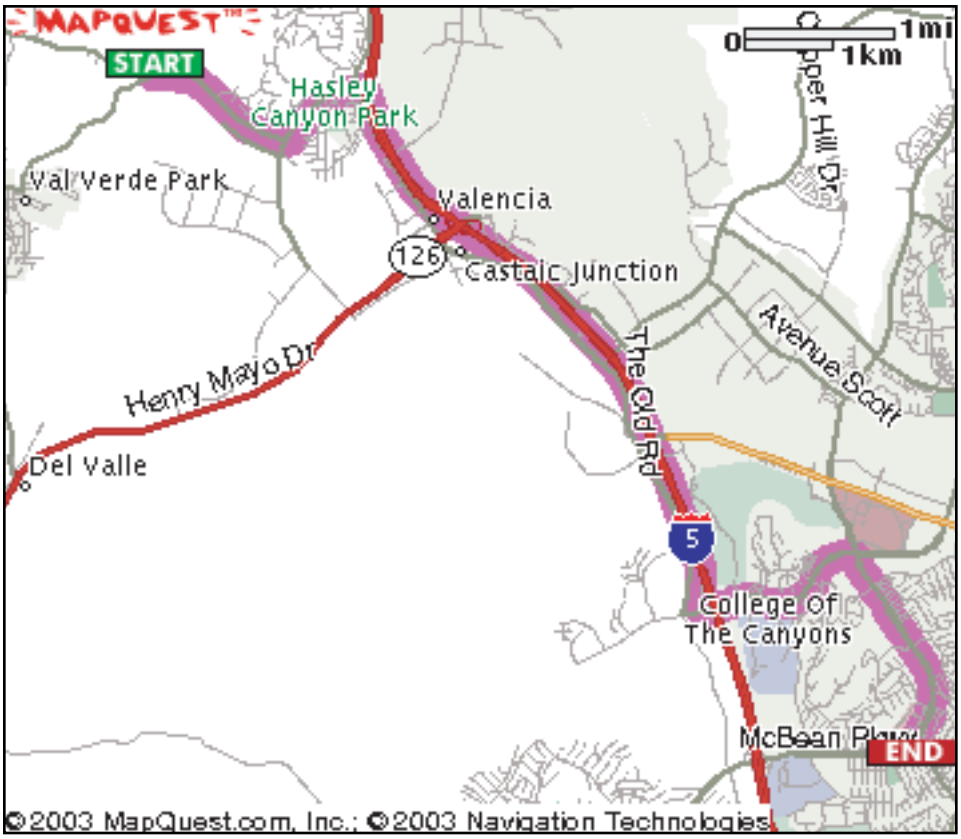


Figure 2
Route to Hospital Map
Hasley Canyon to
Henry Mayo Newhall
Medical Hospital
23845 McBean Parkway
Santa Clarita, California

ERM 2003

Appendix A
Health and Safety Forms

HEALTH AND SAFETY SIGNATURE SHEET

The following signatures indicate that the Safety and Health Program has been read and accepted by ERM management and personnel, as well as all contractors and subcontractors and their personnel.

NAME/TITLE	COMPANY	SIGNATURE/DATE

JOB SAFETY BRIEFING FORM		
DATE:	TIME:	PROJECT #:
PROJECT NAME:		
SPECIFIC LOCATION:		
TYPE OF WORK:		
CHEMICALS PRESENT:		
SAFETY TOPICS DISCUSSED		
PROTECTIVE CLOTHING/EQUIPMENT:		
POTENTIAL WILDLIFE :		
EMERGENCY PROCEDURES AND EVACUATION MEETING POINTS:		
HAZARDS OF CHEMICALS PRESENT:		
PHYSICAL HAZARDS:		
EMERGENCY PROCEDURES:		
HOSPITAL/CLINIC:		
PHONE:	PARAMEDICS:	
HOSPITAL ADDRESS:		
SPECIAL HAZARDS:		
OTHER TOPICS:		
ATTENDEES		
Name (printed)	Signature	

SUPERVISOR'S ACCIDENT/INCIDENT INVESTIGATION REPORT		
Injured Employee:	Title:	
Date of Accident/Incident:	Dept.:	
Location:	Time on this Job:	
Engaged in what work when injured:		
Nature of accident/incident:		
How did accident/incident occur?		
What can be done to prevent recurrence of the accident?		
What has been done to prevent recurrence of the accident?		
Supervisor's Signature:	Dept.:	Date:
Reviewer's Signature:	Dept.:	Date:
NOTE: Form to be completed by supervisors and submitted to the ERM Internal Health and Safety Coordinator within 24 hours days of the accident/incident.		

DISCLAIMERS AND LIMITATIONS ON USE

ERM-West, Inc. ("ERM") developed this site-specific Health and Safety Plan ("HSP") for use by ERM personnel and by ERM subcontractors (individually, an "ERM Contractor" and collectively, "ERM Contractors") in connection with the field activities (the "Project") being performed by ERM for Palmer-Hasley LLC (the "Client") at the Hasley Canyon Development, Santa Clarita, California (the "Site"). ERM personnel must adhere to the practices and procedures specified in this HSP.

Each ERM Contractor must review this HSP and agree to accept and abide by this HSP, subject to any modifications to this HSP (to address the ERM Contractor's more stringent practices and procedures) agreed upon in writing by ERM and the ERM Contractor. The ERM Contractor shall indicate such acceptance by executing a copy of this notice of disclaimers and limitations on use as indicated below and returning it to ERM's project manager for the Project prior to its commencing work at the Site. However, if any ERM Contractor commences work at the Site, the ERM Contractor shall be deemed to have accepted this HSP and the terms hereof and the failure to execute and return to ERM a copy of this notice shall not be relevant to such interpretation.

If a contractor or a person other than the Client, ERM employees and ERM Contractors (individually, a "Third Party" and collectively, "Third Parties") receives a copy of this HSP, such Third Party should not assume that this HSP is appropriate for the activities being conducted by the Third Party. **NO THIRD PARTY HAS THE RIGHT TO RELY ON THIS HSP. EACH THIRD PARTY SHOULD ABIDE BY ITS OWN SITE SPECIFIC HEALTH AND SAFETY PLAN IN ACCORDANCE WITH ITS OWN PROFESSIONAL JUDGMENT AND ESTABLISHED PRACTICES.**

ERM shall not be responsible for the implementation of any Third Party's safety program(s), except to the extent otherwise expressly agreed upon by ERM and a Third Party in writing. The services performed by ERM for the Client and any right of the Client and/or an ERM Contractor to rely on this HSP shall in no way inure to the benefit of any Third Party, including, but not limited to, employees, agents, or consultants and subcontractors of ERM Contractors, so as to give rise to any cause of action by such Third Party against ERM.

This HSP generated by ERM in connection with the Project is for use on a specific site and in connection with a specific project. ERM makes no representation or warranty as to the suitability of this HSP for reuse on another site or as to the suitability of this HSP for reuse on another project or for modifications made by the Client or a Third Party to this HSP.

ERM Contractors Only
Agreed and Accepted:

By: _____
Title: _____
Date: _____

HEALTH AND SAFETY READINGS PID/FID/Mini-RAM MEASUREMENTS				
Time	**Date**	**LOCATION (Breathing Zone/Downwind Perimeter)**	**PID/FID/Mini-RAM**	**Concentration (ppm)**

ERM EQUIPMENT CALIBRATION RECORD (Per Manufacturer's Instructions)				
INSTRUMENT MANUFACTURER/NAME:				
MODEL:				
SERIAL NUMBER:				
CALIBRATION GAS OR STANDARD:				
DATE	**CALIBRATED BY**	**STANDARD (±)**	**READING**	**INITIALS**

Appendix B
Material Safety Data Sheets

SCOTT SPECIALTY GASES 1651
ROUTE 611 NORTH, PLUMSTEADVILLE, PA 18949 (215) 766-8861

SCIENTIFIC GAS PRODUCTS
2330 HAMILTON BOULEVARD, P.O. BOX 648, SOUTH PLAINFIELD, N.J. 07080
(201) 754-7700/TELEX 844-552 SGP INC SPFD

REGIONAL PHONE NUMBERS
PA (215) 766-8861 CA (714) 887-2571 MI (313) 589-2950 TX (713) 644-4820
NJ (201) 754-7700 CA (415) 659-0162 CO (303) 442-4700 MA (617) 245-8707

CAT. NO XG4109-II/MM

MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION

CHEMICAL NAME: METHANE

SUPPLIER: SCOTT SPECIALTY GASES

CHEMICAL FORMULA: CH4

ADDRESS: ROUTE 611 NORTH
PLUMSTEADVILLE, PA 18949

CHEMICAL FAMILY: HYDROCARBON GAS

IN CASE OF EMERGENCY CONTACT YOUR REGIONAL PLANT MANAGER

OTHER DESIGNATION: METHYL HYDRIDE, CAS# 74-82-8 DATE OF PREP: 12/21/87

SECTION II - HAZARDOUS INGREDIENTS

COMPONENT	CONCENTRATION	TLV
METHANE	100 %	

DISCLAIMER: THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET IS OFFERED WITHOUT CHARGE FOR USE BY TECHNICALLY QUALIFIED PERSONNEL AT THEIR DISCRETION AND RISK. SCOTT SPECIALTY GASES HAS MADE THIS SHEET AVAILABLE WITH DATA WHICH WE BELIEVE IS RELIABLE, BUT THE ACCURACY AND COMPLETENESS OF THE DATA IS NOT GUARANTEED AND NO WARRANTY IS EITHER EXPRESSED OR IMPLIED. SINCE SCOTT SPECIALTY GASES HAS NO CONTROL OVER THE USE OF THIS PRODUCT DESCRIBED HEREIN, WE ASSUME NO LIABLITY FOR LOSS OR DAMAGE INCURRED FROM THE PROPER OR IMPROPER USE OF SUCH PRODUCT. THIS FORM IS ESSENTIALLY SIMILAR TO U.S. DEPARTMENT OF LABOR FORM OSHA-20.

SECTION III - PHYSICAL DATA

BOILING POINT (F): -258.6

SPECIFIC GRAVITY (H2O = 1): @-161.5C: 0.43

VAPOR PRESSURE: N/A

PERCENT, VOLATILE BY VOLUME (%): N/A

VAPOR DENSITY (AIR = 1): @ 0 C 1 ATM: 0.555

EVAPORATION RATE (_____=1): N/A

SOLUBILITY IN WATER @ 20C V/V, 1 ATM: 0.033

APPEARANCE AND ODOR: COLORLESS, ODORLESS

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD	FLAMMABLE LIMITS	LEL	UEL
-306 F		5 %	15 %

EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, HALOCARBON GAS.

SPECIAL FIRE FIGHTING PROCEDURES: STOP FLOW OF GAS, KEEP ADJACENT AREAS COOL. IT MAY BE NECESSARY OR DESIRABLE TO ALLOW FLAME AT CYLINDER OR STORAGE TANK TO CONTINUE BURNING WHILE COOLING SURROUNDINGS WITH WATER FROM A SAFE DISTANCE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: FORMS EXPLOSIVE MIXTURES WITH AIR OR OXYGEN. HAZARD OF REIGNITION OR EXPLOSION EXISTS IF FLAME IS EXTINGUISHED WITHOUT STOPPING FLOW OF GAS OR COOLING SURROUNDINGS. DANGER OF ROCKETING CYLINDERS AND EXPLOSION EXISTS. METHANE CYLINDERS HAVE FUSIBLE METAL SAFETY DEVICES (165 F OR 212 F) FOR PRESSURE RELIEF.

SECTION V - REACTIVITY DATA

STABILITY: STABLE. AVOID MIXING WITH AIR. AVOID MIXTURE OF LIQUID METHANE WITH LIQUID OXYGEN.

INCOMPATIBILITY (MATERIALS TO AVOID): OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: INHALATION

EFFECTS OF OVER EXPOSURE: SUFFOCATION, DIZZINESS, HEADACHE, NAUSEA, LOSS OF CONSCIOUSNESS AND DEATH CAN OCCUR. CONTACT WITH LIQUID METHANE CAN CAUSE FREEZE BURNS.

CARCINOGENICITY NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

EMERGENCY AND FIRST AID PROCEDURES: REMOVE VICTIM TO FRESH AIR. ARTIFICIAL RESPIRATION IF REQUIRED.

SECTION VII - SPILL OR LEAK PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: VENTILATE AREA. SHUT OFF METHANE SOURCE IF POSSIBLE. REMOVE SOURCES OF HEAT OR IGNITION. PAINTING SUSPECTED AREA WITH SOAP SOLUTION MAY BE USED TO DETECT A LEAK.

WASTE DISPOSAL METHOD: REMOVE CYLINDER TO OUTDOORS OR VENTILATED HOOD. ALLOW GAS TO DISHCARGE AT A SLOW MODERATE RATE.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): A SELF-CONTAINED BREATHING APPARATUS.

VENTILATION: LOCAL EXHAUST, MECHANICAL AND EXPLOSION PROOF RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT: SAFETY GLASSES, GLOVES, SAFETY SHOES WHEN HANDLING CYLINDERS.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN A WELL VENTILATED AREA AWAY FROM OXIDIZERS, SOURCES OF HEAT AND IGNITION. NO PART OF CYLINDER SHOULD BE EXPOSED TO TEMPERATURES ABOVE 125 F.

OTHER PRECAUTIONS: DO NOT DEFACE CYLINDERS OR LABELS. RETURN CYLINDER WITH POSITIVE PRESSURE. NO SMOKING WHERE METHANE IS USED OR STORED. METHANE LINES CAN BE TESTED FOR LEAKAGE WITH NITROGEN PRESSURE BEFORE USE.

APPENDIX 5.8-11

Site Summary Report including Health Risk Assessment, April 2006

Environmental Resources Management

3 Hutton Centre
Suite 600
Santa Ana, CA 92707
(714) 430-1476
(714) 436-2940 (fax)

31 May 2006

Via U.S. & Electronic Mail

Ms. Kim Clark
County of Los Angeles Fire Department
Health Hazardous Materials Division
5825 Rickenbacker Road
Commerce, California 90040-3027

Subject: Site Summary Report
28801 Hasley Canyon Road
Castaic, California

Dear Ms. Clark:

As requested by the Los Angeles County Fire Department (LACFD), ERM-West, Inc. (ERM), on behalf of Los Valles Company, Inc. (Los Valles), is submitting a site summary report to document site investigation and remediation activities conducted at the Los Valles site in Castaic, California. The overall purpose of this cover letter and report is to summarize environmental activities completed at the site and to provide justification for transitioning site remediation activities from an active to a passive phase.

The 432-acre site is located along the north flank of Hasley Canyon, approximately 3 miles northwest of the city of Santa Clarita and east of Sloan Canyon, in the Castaic Hills area of the western San Gabriel Mountains. The site is largely undeveloped, but contains a number of graded dirt roads and three approximately one-acre graded areas (pads) that were historically used to support oil production activities. A total of ten oil wells were previously operated on the pads. The oil production wells, installed in the 1970s or 1980s, were closed and properly abandoned in April 2003. The California Department of Oil and Gas (D.O.G.) reviewed closure reports and issued written approval for the well closures. Previous oil production activities resulted in potential environmental impacts at these three areas. The three former production areas are referred to as:

1. AEO Lease – Burns/Crist (AEO Pad);
2. SADD Lease – North Pad; and
3. SADD Lease - South Pad.

Los Valles is in the process of developing the site as a residential and recreational, mixed-use development consisting of single-family, custom luxury homes and a championship golf course. No homes are proposed above the areas containing impacted soil. The land directly above the impacted areas will be used for the planned golf course.

Since early 2003, Los Valles has completed the following tasks to evaluate impacted materials at the site:

- Abandonment and closure of oil wells;
- Phase I Environmental Site Assessment;
- Limited Phase II Site Investigation;
- Pipeline removal; and
- Investigation of subsurface petroleum hydrocarbon impacts.

Total petroleum hydrocarbon (TPH) impacted soil was identified at the site, primarily at the SADD Lease – North Pad. A Remedial Action Plan (RAP) was prepared and approved by the LACFD in 2004 to propose remedial activities designed to address impacted soil present at the site. The overall objective of the remediation program was to eliminate potential exposure to constituents of concern (COCs).

Potential exposure pathways to COCs, based on proposed land use, included

- Direct contact with impacted soil;
- Ingestion of impacted soil;
- Inhalation of impacted air; and
- Ingestion of impacted groundwater.

A combination of concentration (conservative baseline target objectives) and performance-based criteria was used to determine when remediation activities would be complete, such as:

- Mass removal;
- Asymptotic recovery during best available technology application; and
- Risk reduction/elimination.

To achieve the RAP objectives, a set of interrelated remediation activities was proposed, including excavation, active soil venting, passive soil venting, and groundwater monitoring. Excavation activities were intended to minimize the dermal and soil ingestion pathways by removing the potential for direct contact to future site users and construction workers. Active and passive soil venting addresses the inhalation and groundwater ingestion pathways, as well as groundwater protection by removing the mobile COCs.

The RAP proposed soil excavation up to 10 feet below ground surface for the impacted areas. To remediate the remaining impacted soil, a soil venting program was proposed for both the North and South Pads. Two phases were proposed for the soil venting program, (1) an active phase where a soil vapor extraction (SVE) system extracted vapors, via vacuum, from the soil through a network of vapor extraction wells for treatment; and (2) a passive phase where the wells are simply vented to the atmosphere. Transitioning from active to passive venting would occur once active venting reaches asymptotic levels for influent concentration and mass removal rates. A groundwater well installation and monitoring program was proposed to assess groundwater quality.

To date, Los Valles has completed the following remedial activities:

- Excavation and off-site disposal of shallow impacted soil;
- Installation of a vapor barrier at the bottom of the excavation and directly over the residual impacted soil;
- Installation and operation of an active soil venting system (i.e., SVE and treatment system);
- Evaluation of current potential health risks related to residual impacted soil; and
- Groundwater monitoring.

The completed excavation and backfilling activities created a minimum of 10 feet of buffer soil from the shallowest residual impacted soil from potential receptors, in effect, eliminating the direct contact with impacted soil and ingestion of impacted soil exposure pathways. The excavation activities covered minor stained soil at the AEO Pad and over 1,000 cubic yards of shallow soil at the SADD Lease-North and South Pads. Additionally, shallow pipelines were removed throughout the site.

The vapor barrier and active soil venting activities completed to date greatly reduced the potential risks to future site receptors (including nearby residences, golf course workers and visitors, and construction workers) from an inhalation of impacted air perspective. Active soil venting activities were performed at the SADD Lease-North Pad, which removed over 14,600 pounds of hydrocarbons from the subsurface. Mass removal rates and system influent concentrations have decreased by approximately 90 percent or greater and have reached asymptotic conditions.

A screening-level health risk assessment (HRA) was conducted to evaluate whether passive venting of residual impacted soil would pose a health risk to future site users or occupants, considering the proposed golf course and residential development. It should be noted that no residential structures would be built over the impacted areas. The HRA concluded that the maximum predicted individual excess carcinogenic risks at all modeled locations would be well below the Office of Environmental Health Hazards Assessment (OEHHA) recommended significance level. Correspondingly, the non-carcinogenic chronic and acute hazard indices predicted in this analysis have also been shown to be orders of magnitude below the OEHHA recommended significance level. As such, the passive venting of the soil gas wells in the SADD Lease-North and South Pads are not predicted to cause any significant health risk to future residents, workers, or guests during the construction or operation of the proposed golf course.

Los Valles recognizes that the ingestion of impacted groundwater exposure pathway has not been addressed in this letter or attached report. Los Valles has conducted groundwater monitoring at the site since early 2003 and has only observed low (less than the drinking water standards) and sporadic detections of TPH constituents at the site. Los Valles understands that it will need to contact the Regional Water Quality Control Board (RWQCB) to resolve this issue once the soil impacts are addressed with the LACFD.

In summary, impacted soil was identified and characterized at the Los Valles site. Remedial activities have been performed to remove and reduce contaminant mass. A HRA provided confirmation that residual impacted soil poses no significant risks to future site users. In addition, monitoring has demonstrated that groundwater is not significantly impacted and the continuation of the active system will have no net benefit to groundwater quality beneath the site. At this time, Los Valles requests that the LACFD approve the shutdown of the active soil venting system and transitioning to the passive venting phase.

As discussed previously with the LACFD, Los Valles will perform a final round of sampling at the site. This sampling event will consist of two components:

1. Soil sampling at four to six locations, at multiple depths, at the SADD Lease North Pad; and
2. Confirmation soil vapor sampling from all existing passive venting wells.

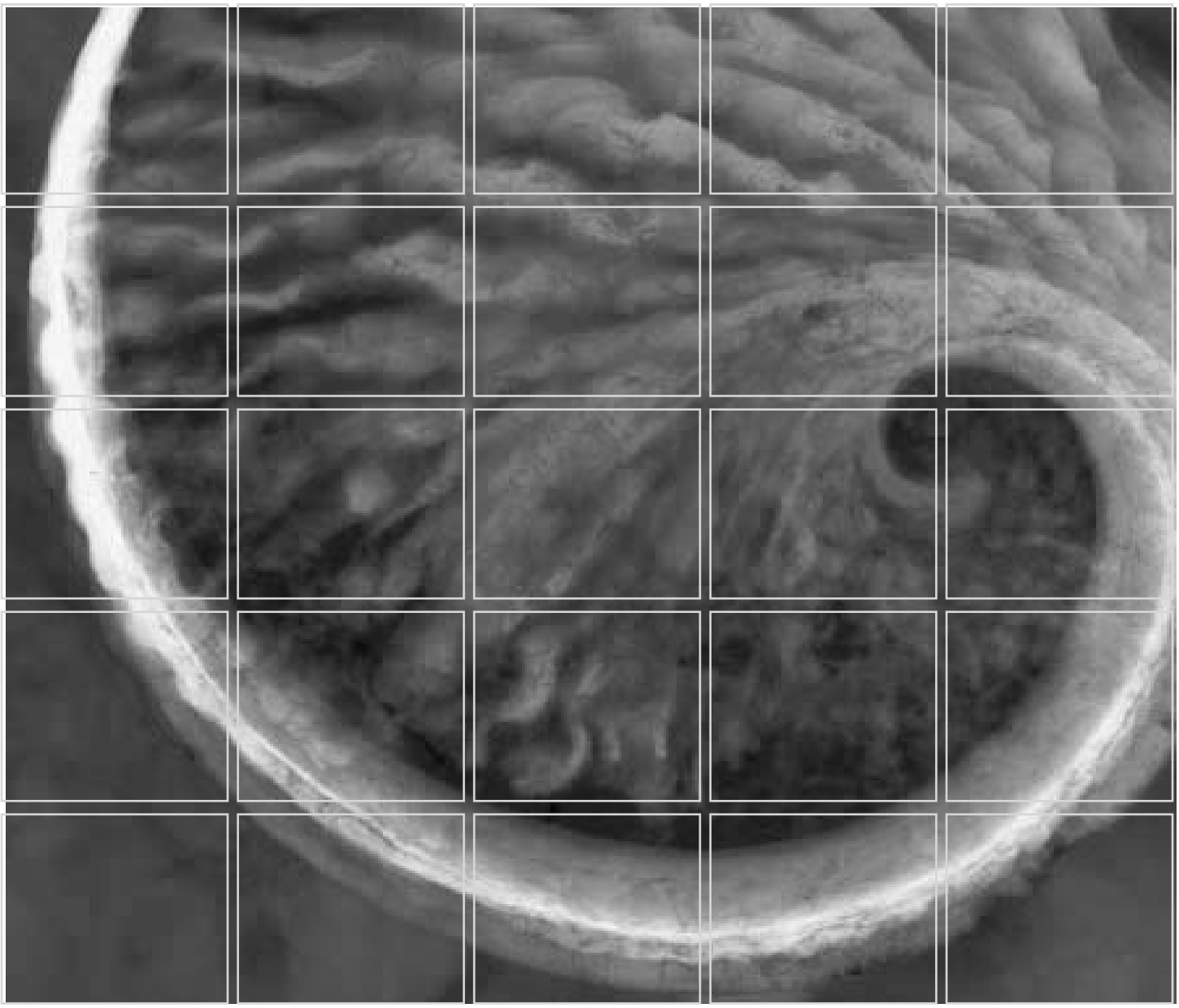
Los Valles and ERM understand that the LACFD will work with OEHHA to review this document. Submittal of this document is consistent with discussions between the LACFD and Los Valles/ERM in late 2005 and May 2006. We look forward to your response. We will also coordinate the field sampling schedule with the LACFD. If you have any questions regarding this project, please contact me at (714) 430-1476.

Sincerely,

Truong Mai, P.E.
Partner

TTM/taa/0021456.40

cc: Mr. Jeff Kaplinski, Los Valles Company, Inc.
Ms. Amber Sakai, Los Valles Company, Inc.



Site Summary Report

Prepared for:
Los Valles Company, Inc.

April 2006

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Los Valles Company, Inc.

Site Summary Report

April 2006

Project No. 0021456.40

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1.0 INTRODUCTION

On behalf of Los Valles Company, Inc. (Los Valles), ERM-West, Inc., (ERM) has prepared this summary report for the Los Valles site in Castaic, California. The Los Angeles County Fire Department (LACFD), as the lead agency for this site, requested that Los Valles submit this summary report.

This report summarizes investigation and remediation activities conducted at the Los Valles site to date. These activities have addressed the bulk of the impacted surface and subsurface contamination at the site. As such, Los Valles is submitting this report to request a transition from active soil venting operations to passive soil venting at the site, thus allowing the site to be redeveloped unimpeded.

Since early 2003, Los Valles has completed the following tasks to evaluate and address impacted materials at the Site:

- Abandonment and closure of oil wells;
- Phase I environmental site assessment (ESA);
- Limited Phase II site investigation;
- Pipeline removal;
- Investigation of subsurface petroleum hydrocarbon impacts;
- Development of a remedial approach;
- Excavation and off-site disposal of shallow impacted soil;
- Installation and operation of an active soil venting system (i.e., soil vapor extraction and treatment system);
- Groundwater monitoring; and
- Evaluation of current potential health risks related to residual impacted soil.

This report is organized as follows:

- Section 2.0 describes site characteristics, background, and proposed land use;
- Section 3.0 discusses previous investigation activities;

- Section 4.0 presents the remediation approach and activities completed;
- Section 5.0 summarizes the health risk assessment;
- Section 6.0 presents conclusions and recommendations; and
- Section 7.0 provides references.

2.0 SITE BACKGROUND

2.1 GENERAL SITE DESCRIPTION AND HISTORY

The 432-acre site is located along the north flank of Hasley Canyon, approximately 3 miles northwest of the city of Santa Clarita and east of Sloan Canyon, in the Castaic Hills area of the western San Gabriel Mountains. Figure 1 shows the site location.

The site is largely undeveloped, but contains a number of graded dirt roads and three approximately one-acre graded areas (pads) that were historically used to support oil production activities. A total of ten oil wells previously operated on the pads. The oil production wells, installed in the 1970s or 1980s, were closed and properly abandoned in April 2003. The California Department of Oil and Gas (D.O.G.) reviewed closure reports and issued written approval for the well closures.

Previous oil production activities resulted in potential environmental impacts at these three areas. The three former production areas, as shown on Figure 2, are referred to as:

1. AEO Lease – Burns/Crist (AEO Pad);
2. SADD Lease – North Pad; and
3. SADD Lease - South Pad.

2.2 SURFACE DRAINAGE, GEOLOGY, AND HYDROGEOLOGY

Four small canyons drain southward across the Site into the Hasley Canyon Wash, then into Castaic Creek to the east, and finally into the Santa Clara River. The tributary streams are incised into the alluvium indicating fairly recent rejuvenation. All of the streams on the property, including Hasley Canyon Wash, are seasonally intermittent.

Recent-age alluvium is present within the canyons. The Saugus Formation outcrops along the ridges and underlays the alluvium in the canyons throughout the general area of the Site. Groundwater is extracted from the Saugus Formation and used for a variety of purposes in the Santa Clarita area. It is estimated that the Saugus Formation stores approximately 1 million acre-feet of water, and that it has historically

supplied between 7,500 and 15,000 acre-feet of water annually. An additional 10,000 to 20,000 acre-feet of water per year will be extracted from the Saugus Formation through new wells to support planned development activities in the area. Although groundwater is present at the Site at depths of approximately 50 to 100 feet below ground surface (bgs), usable groundwater has reportedly been extracted from much greater depths (approximately 3,000 feet bgs).

Other water supply sources in the Santa Clarita area include the alluvial aquifer associated with the Santa Clarita River (located 2 miles east of the Site) and water imported from the State Water Project. As of 1999, The Los Angeles County Waterworks District No. 36 provided imported water to approximately 827 connections in the Hasley Canyon and Val Verde areas.

2.3 PROPOSED LAND USE

Los Valles is in the process of developing the Site as a residential and recreational mixed-use development consisting of single-family custom luxury homes and a championship golf course. The development plan is shown on Figure 3. As presented on Figure 3, no homes are proposed above the areas containing impacted soil. The land directly above the impacted areas will be used for the planned golf course.

3.0 SUMMARY OF INVESTIGATION ACTIVITIES

This section presents a summary of relevant environmental activities performed. Two main phases of investigation occurred at the site:

- Phase I ESA, limited Phase II site investigation, and pipeline removal; and
- Evaluation of subsurface petroleum hydrocarbon impacts.

3.1 PHASE I ENVIRONMENTAL SITE ASSESSMENT, LIMITED PHASE II SITE INVESTIGATION, AND PIPELINE REMOVAL

A Phase I ESA, limited Phase II site investigation, and pipeline removal were conducted at the site by California Environmental Geologist and Engineers, Inc. (CEGE) prior to December 2003. Following closure and sign off by D.O.G., CEGE was retained by Ervin, Cohen & Jessup (a law firm) on behalf of its client Hasley Canyon Land Company, LLC, to remove certain subsurface pipelines and further investigate and document site conditions. Stained and odorous soil was discovered when CEGE removed the pipelines at the SADD lease pads in June and July of 2003. Subsequent subsurface investigations by CEGE revealed three distinct areas of soil contaminated with petroleum hydrocarbons (reported as unrefined crude and a diluent product), ranging from depths of 10 bgs to 90 feet bgs and in concentration from below analytical detection limits to 24,000 milligrams per kilogram (mg/kg) total petroleum hydrocarbons (TPH). Lower concentrations of benzene, toluene, ethylbenzene, and xylenes were also observed. A single groundwater grab sample was collected at 100 feet below grade. The benzene concentration was reported to be 43 micrograms per liter (µg/L) and low levels of gasoline-range hydrocarbons were detected in soils at this location.

3.2 EVALUATION OF SUBSURFACE PETROLEUM HYDROCARBON IMPACTS

Based on the results obtained by CEGE, Los Valles retained ERM to further evaluate the nature and extent of the potentially impacted soil and groundwater. ERM performed subsequent soil, soil gas, and groundwater investigations. In addition, pipeline removal activities associated with the

former production areas at the former AEO Lease Pad were also performed. These activities are discussed separately below.

3.2.1 *Abandoned Pipeline Removal*

Starting on 17 December 2003, CEGE removed pipelines within the project site, all of which were located within the AEO Lease Pad area and along the road leading towards the active off-site oil production facility north of Hasley Canyon Road. ERM was present at the Site during a majority of CEGE's field activities to observe and document any staining associated with the excavations.

Staining was observed at two locations within the AEO Lease Pad Area, one in the southwest corner on the pad and the other approximately 90 feet west of the first location. No stained areas were observed outside of the AEO Lease Pad area during pipeline removal activities. All pipelines were removed except for approximately 100 feet near the southern property boundary of the Site, which was not removed because other utilities reportedly crossed the pipeline in this area and, therefore, the safe removal of the pipeline was not feasible.

To confirm that the pipeline did not impact underlying soils along the southern property boundary, soil vapor samples were collected on 12 February 2004 near the site perimeter at the former pipeline location. Figure 4 shows the extent of the removed pipeline and locations of the soil vapor samples.

3.2.2 *Trenching Operations*

On 21 January 2004, three exploratory trenches were excavated to remove stained soil observed during the pipeline removal activities at the AEO Lease Pad area. A backhoe was used to excavate three trenches (designated as Trench 1, 2, and 3) to depths of approximately 15 feet, 5.2 feet, and 14.5 feet, respectively. Figure 5 shows the soil boring locations and trench areas at the AEO Lease Pad area. Stained soil removed during these efforts was stockpiled on site, wrapped in visqueen, and subsequently disposed of off site.

3.2.3 *Soil Vapor Monitoring*

A total of 74 soil vapor samples were collected at 30 different locations as follows:

- AEO Lease – Burns/Crist – Nine samples were collected from three locations at depths of 5 to 20 feet bgs (Figure 4);
- SADD Lease-North Pad – Twenty-seven samples were collected from ten locations, at depths of 5 to 20 feet bgs, as shown on Figure 6; and
- SADD Lease-South Pad – Twenty-two samples were collected from eight locations, at depths of 5 to 20 feet bgs, as shown on Figure 7.
- Adjacent to the off-site active oil production area - Sixteen samples were collected from eight locations at depths of 10 to 20 feet bgs, as shown on Figure 8.

Samples selected for laboratory analysis were analyzed by H&P Mobile Geochemistry or Del Mar Analytical for one or more of the following constituents:

- Volatile organic compounds (VOCs) in accordance with United States Environmental Protection Agency (USEPA) Method 8260;
- Methane, fixed gases, and hydrogen sulfide, in accordance with American Standard Testing Methods Method 1945-96 and methane by USEPA Method 8015M;
- Total Petroleum Hydrocarbons as gasoline by USEPA Method 8015M;
- Methane, carbon dioxide, oxygen, and barometric pressure measure by Landtech, Model 6EM2000; and
- Hydrogen sulfide measured by Jerome, Model 631-X.

In addition, 11 surface soil samples were collected (eight samples at the SADD Lease pads, two samples of an unknown tar-like material, and a background sample as shown on Figure 9. Finally, 23 soil borings were drilled to collect soil samples from the SADD Lease pads and the AEO Lease Pad. Figures 10 and 11 show the locations of all soil borings.

3.2.4 *Groundwater Monitoring*

Figure 12 shows a total of eight ground water monitoring wells that were installed at the three pads:

- AEO Lease–Burns/Crist – One monitoring well installed on the pad area.
- SADD Lease-North Pad – Three monitoring wells installed on the pad area; and

- SADD Lease-South Pad – Two monitoring wells installed on the pad area, and two wells west of the south pad area.

3.2.5 *Results*

The results of these activities indicated the following:

- Chemical analyses conducted on numerous soil and groundwater samples did not detect the presence of any chemicals of concern (COCs) other than those typically associated with petroleum hydrocarbons.
- The petroleum hydrocarbons present at the Site contain a relatively low volatile content, and occur at or near the three former production areas.
- Following targeted soil excavation, remaining soil impacts at the AEO Lease–Pad are minimal and do not warrant additional remedial actions.
- Limited soil impacts at both the SADD Lease–North and South Pads warrant additional remedial actions.
- No contaminants were detected above their Maximum Contaminant Level or USEPA Region IX Tap Water Preliminary Remediation Goals (PRGs) in the groundwater samples.

The sampling results for the contaminants mentioned above are summarized in Tables 1 through 5. Also, a detailed discussion of the investigation results, sample locations, and sampling methods is presented in the *Evaluation of Subsurface Petroleum Hydrocarbon Impacts-Former Oil Production Pad Areas* (ERM, 2004a).

4.0 REMEDIAL APPROACH AND ACTIVITIES

This section presents a summary of relevant remedial activities performed at the site. These activities include:

- Development of a Remedial Action Plan (RAP);
- Soil excavation and pipeline removal;
- Groundwater monitoring; and
- Active soil venting and treatment.

4.1 REMEDIAL ACTION PLAN

A RAP (ERM, 2004c) was prepared (and approved by the LACFD) to propose remedial activities designed to address impacted soil present at the site. The overall objective of the remediation program was to eliminate potential exposure to COCs.

Potential exposure pathways of COCs, based on proposed land use, included ingestion of impacted soil and groundwater, direct contact with impacted soil, and inhalation of impacted air. A combination of concentration and performance-based criteria was used to determine when remediation activities would be complete, such as:

- Mass removal;
- Asymptotic recovery during best available technology application; and
- Risk reduction/elimination.

Preliminary clean-up levels were developed to provide conservative baseline target objectives for VOCs. Factors may be modified based on subsequent monitoring of performance-based criteria during active remedial implementation. Clean-up levels were calculated for benzene, toluene, ethylbenzene and xylenes (BTEX). These calculations are presented in Appendix A (Tables A1-A8). Figures 13 and 14 provide analytical results for soil sampling from previous investigations (to May 2004); those results that are shaded exceeded the preliminary clean-up levels calculated for BTEX.

To achieve the RAP objectives, a set of interrelated remediation activities was proposed, including excavation, active soil venting, passive soil

venting, and groundwater monitoring. Excavation activities were intended to minimize the dermal and soil ingestion pathways by removing the potential for direct contact to future site users and construction workers. Active and passive soil venting addresses the inhalation and groundwater ingestion pathways, as well as groundwater protection by removing the mobile COCs.

The RAP proposed soil excavation up to 10 ft bgs for the impacted areas. To remediate the remaining impacted soil, a soil venting program was proposed for both North and South Pads. Two phases were proposed for the soil venting program, an active phase where a soil vapor extraction (SVE) system (shown on Figure 15) extracted vapors via vacuum from the soil through a network of vapor extraction wells for treatment, and a passive phase where the wells are simply vented to the atmosphere. Transitioning from active to passive vent would occur once active venting reaches asymptotic levels for influent concentration and mass removal rates. A groundwater well installation and monitoring program was proposed to assess groundwater quality.

4.2 SOIL EXCAVATIONS

4.2.1 Excavation Activities and Pipeline Removal

On 2 June 2004, soil excavation activities commenced at the SADD Lease-North and South Pads. The upper 10 feet of soil was removed in both excavations, using an excavator, and stockpiled adjacent to the excavations. During excavation activities, abandoned steel pipelines ranging in size from 1- to 2-inches in diameter and containing residual product, were uncovered at approximately 3 feet bgs and extending under the adjacent access roads. A total of approximately 2,500 feet of abandoned pipeline was removed (Figures 16 and 17). Stained soil was observed in several small areas under the pipeline joints. All stained soil encountered was removed and added to the excavation stockpile. In general, VOC concentrations were not detected with the photoionization detector and there was no visual staining observed in the pipeline trenches during soil screening. The trenches were backfilled with the native soil.

To confirm the extent of impacted soil associated with the pipelines in the north end of the South Pad excavation area, three trenches were excavated north of the South Pad excavation (Figure 18).

Confirmation samples were collected from all excavation walls and bottoms. Results of these samples are discussed in Section 4.2.2.

Upon completion of the sidewall and bottom sampling, the North Pad excavation was lined with a vapor barrier consisting of 60-mil high-density polyethylene and then backfilled with fill sand.

The South Pad excavation was backfilled with a combination of clean excavated soil and fill sand. The fill material was placed in the excavation in 1-foot lifts to the surface and wheel rolled with the bucket loader.

4.2.2 *Results*

Confirmation sampling activities for the SADD Lease – North Pad were performed under the supervision of LACFD personnel, who prescribed the sampling locations and analysis. Sample results are summarized in Tables 6 through 10 and shown on Figures 18 and 19. The laboratory report and chain-of-custody forms can be found in the *Summary Report, Los Valles Land & Golf, LLC.* (ERM, 2004b).

Table 6 and Figure 18 show that VOCs were detected in three of the eight excavation soil samples; however, the concentrations did not exceed the USEPA's PRGs for residential soil.

Table 7 and Figure 18 indicate that TPHs as diesel and motor oil were detected in all of the excavation soil samples except NP-SSW. Detected concentrations of TPH as diesel ranged from 1.2 mg/kg to 2,100 mg/kg. Detected concentrations of TPH as motor oil ranged from 1.8 to 640 mg/kg. Results of the TPH analyses were compared to the Regional Water Quality Control Board soil screening levels (SSLs) for TPH-impacted soil located within approximately 20 to 150 feet above groundwater. Concentrations of TPH as diesel in bottom samples (NP-NBS and NP-SBS) exceeded the SSL.

As shown in Table 8 and on Figure 18, naphthalene was detected at a concentration of 4,700 μg/kg in soil sample NP-SBS collected from the bottom of the excavation. No other Polynuclear Aromatic Hydrocarbons were detected in the confirmation samples.

Polychlorinated Biphenyls were not detected in the confirmation soil samples, as illustrated on Figure 19 and in Table 9.

As shown on Figure 19 and in Table 10, metals were detected in all of the excavation soil samples; however, the concentrations did not exceed the PRGs for residential soil.

The report recommended the installation of three vapor extraction wells to remediate the remaining subsurface soil, deeper than approximately 10 feet bgs. The recommended design was a triple screen extraction well (screen intervals at 10 to 20 feet bgs, 30 to 50 feet bgs, and 50 to 75 feet bgs) to optimize soil remediation efforts by extracting vapors at different depth intervals.

4.3 GROUNDWATER MONITORING SUMMARY

Groundwater monitoring at the Site was conducted from December 2003 to December 2004 (four quarterly sampling events were performed during this period). At the request of the LACFD, an extra monitoring event was performed in May 2005 before well decommission. Table 11 shows results for all sampling events.

Based on Table 11, all monitoring wells, with the exception of MW-4, appear to be free of contaminants. Although hydrocarbon constituents, including ethylbenzene, xylenes, propylbenzene, and naphthalene, were detected sporadically in MW-4, the detected concentrations have only been marginally above the detection limits and much less than the Maximum Contaminant Levels.

4.3.1 Monitoring Wells Decommission

Historically, the groundwater sample results indicate that the contamination from the soil has not migrated to the groundwater. For that reason, ERM obtained permission to decommission the eight monitoring wells at the Site. The monitoring wells were properly destroyed on 25 to 27 May 2005. Each of the eight wells was drilled out to total depth as required by the County of Los Angeles. To seal the boreholes, neat cement was pumped through a pipe from the bottom to the top in each borehole. Table 12 shows the former well construction details and groundwater level data collected during the abovementioned period of time.

4.4 *SOIL VAPOR EXTRACTION SYSTEM PERFORMANCE SUMMARY*

In August 2004, ERM installed three multi-port vapor venting wells at the Site. Two wells, designated as VW-1 and VW-2, were installed within the footprint of the excavation at the North Pad and a third well (VW-3) was installed approximately 20 feet north of MW-4 at the South Pad. Well locations at the North and South Pads are shown on Figures 20 and 21, respectively. Wells VW-1 and VW-2 were constructed identically, with screened sections at 10 to 30 feet bgs, 35 to 55 feet bgs, and 60 to 80 feet bgs. Because the depth to groundwater is shallower at the South Pad, well VW-3 was constructed with only two screened sections at 10 to 30 feet bgs and 35 to 55 feet bgs.

Following the first round of vapor samples collected in August 2004, it was determined that low hydrocarbon concentration in South Pad (VW-3) soil vapor did not warrant an active SVE system, thus no SVE system was installed at the South Pad. On the other hand, soil vapor samples collected from the North Pad contained benzene, toluene, and xylenes at concentrations greater than the screening levels, thus an active SVE program was warranted for the North Pad.

During active soil venting, ERM collected and analyzed periodic soil vapor samples for evaluation of the system's effectiveness. Vapor analytical results (Table 13) indicate that the active soil venting system influent concentrations and mass removal rates appear to have reached asymptotic conditions. The COC concentrations in the individual vapor extraction wells decreased significantly since startup of the active soil venting system, as shown in Table 13 and on Figure 22. Similarly, the system influent concentrations, shown in Table 14, reduced considerably compared to prior to system operation start-up. To date, the active soil venting system has removed and treated approximately 14,647 pounds of hydrocarbons, as shown in Table 15.

Los Valles and ERM believe that, during the 12 months of active soil vapor extraction, COC concentrations have reduced to levels where passive soil venting may be appropriate. In order to obtain necessary information to prepare a risk assessment, Los Valles and ERM, with LACFD concurrence, collected vapor samples during system shutdown to evaluate rebounding and off-gas concentrations from the well. This data was then used to conduct a HRA.

5.0 HEALTH RISK ASSESSMENT

To confirm that active soil venting tasks have reduced potential health risks at the site adequately and transitioning to the passive venting phase is appropriate, a HRA (ERM, 2006a) was conducted. Soil vapor samples representative of passive soil venting conditions were collected to provide a basis for the risk evaluation. Specifically, the HRA focuses on the passive venting of vapors from partially treated soil at the Former SADD Lease Pads after the development of the property. The HRA report was submitted to the LACFD in February 2006. Following review of the HRA report, the LACFD requested that Los Valles submit this site summary report. The entire HRA report, as initially submitted to the LACFD, is included as Appendix B. The section summarizes the HRA Report.

The screening HRA is used to conservatively assess the potential for carcinogenic risk and non-carcinogenic health effects from the passive venting of residual impacted soil at the SADD Lease-North and South Pads on near-by future residents, golf-course workers, and golf course guests. The HRA includes the development of air toxic emission rates, model analysis of exposure, and the predicted health impacts from the continuous low-level releases into the atmosphere.

5.1 HEALTH RISK ASSESSMENT METHODOLOGY

In order to assess the impacts from the passive well emissions, mass emissions are required to conduct exposure modeling. Mass emissions can be calculated from soil gas concentrations. For the purpose of this model, it is assumed that all vent piping will be bundled at one location for both the North and South Pads, and a single point source will be used to model each location. The soil gas concentrations at each depth for VW-1 and VW-2 will be averaged to define the soil gas concentration in the emissions development for the North Pad source. Similarly, all depths from VW-3 will be used to calculate the average soil gas for the South Pad source. The most current measurements were used to represent current and future soil gas estimates.

For the purposes of the HRA, the SCREEN3 model was utilized to assess maximum ground-level concentrations. This model has been approved by the USEPA and the California Air Resources Board (CARB) for use in assessing air quality impacts for regulatory purposes. The model

calculates maximum 1-hour concentrations from single sources at specified receptor locations for selected hypothetical, worst-case meteorological conditions. Long-term exposure in this assessment was estimated by applying a 1-hour to annual peak-to-mean ratio of 0.1, as specified by CARB, to the 1-hour maximum concentration. This has been shown to be a conservatively high estimate of long-term impacts. Short-term exposure (1-hour) will be determined by the maximum 1-hour predicted concentration from all meteorological conditions.

Four specific receptors were selected for analysis. These include: 1) the closest future residential location to the North Pad source; 2) the closest tee box to the North Pad source; 3) the closest future resident to the South Pad source; and 4) the closest tee box to the South Pad source. It is assumed that the tee boxes will be the location where the highest likely exposure will be to both workers and guests. Since distances vary between the North Pad and South Pad sources with respect to the four sensitive receptor locations, eight distances were modeled, four relative to each source.

For long-term residential risk exposure, Office of Environmental Health Hazard Assessment (OEHHA) suggests a conservative estimate of 24 hours per day, 350 days per year, for a 70-year period. OEHHA also suggests that a residential inhalation rate of 302 liters per kilogram-day (l/kg-day) be used. Due to the unique aspects of the workplace at the golf course, as recommended by OEHHA, the inhalation rate of 149 l/kg-day was used. In addition, the recommended values of 8 hours per day, 5 days per week, and 49 weeks per year (a total of 245 days per year) were used with the modification that, over any given year, the worker is expected to be at each hole only 1/18 of the time (on an annual basis). Finally, the over worker exposure is assumed to be 40 years, as recommended by OEHHA. There is no guidance on risk exposures for golf course guests; therefore, as a conservative estimate, it was assumed that a golfer would play the course once per week, 52 weeks per year for a period of 20 years. At any hole, the time spent for tee-off was assumed to be 15 minutes.

For the estimation of carcinogenic risk and non-carcinogenic chronic and acute health effects, only BTEX are identified on the OEHHA air toxic list. Benzene has the potential for carcinogenic risk and chronic/acute health effects. Toluene and xylene have the potential for both chronic and acute non-carcinogenic health effects. Ethylbenzene is only identified for the potential of non-carcinogenic chronic health effects.

For more information on the methodology and assumptions used in the HRA Report, refer to Appendix B, where the report is attached in its entirety.

5.2 HEALTH RISK ASSESSMENT RESULTS

Overall, the results of the preliminary screening HRA indicate that the carcinogenic risks and non-carcinogenic chronic and acute health effects are below recognized safe health levels. Detailed reporting of the HRA results obtained can be found in Appendix B.

5.3 HEALTH RISK ASSESSMENT CONCLUSIONS

Based upon the results of the HRA, the maximum predicted individual excess carcinogenic risks at all modeled locations will be well below the OEHHA recommended significance level. Correspondingly, the non-carcinogenic chronic and acute hazard indices predicted in this analysis have also been shown to be orders of magnitude below the OEHHA recommended significance level. As such, the passive venting of the soil gas wells in the SADD Lease-North and South Pads are not predicted to cause any significant health risk to future residents, workers, or guests during the construction or operation of the proposed golf course.

6.0 CONCLUSIONS

Based on the results of the investigation, remediation activities, and health risk evaluation conducted to date, the following conclusions can be made:

- Hydrocarbon-impacted soil warranting remediation was identified and characterized at the site. A remedial approach was developed to address the impacts and reduce potential health and environmental risks. This approach comprised of shallow soil excavation and off site disposal, active and passive soil venting, and groundwater monitoring.
- Shallow soil excavation and off site disposal have been completed under LACFD oversight. The excavation activities covered minor stained soil at the AEO Pad and over 1,000 cubic yards of shallow soil at the SADD Lease-North and South Pads. Los Valles also installed a soil vapor barrier at the bottom of the excavation at the SADD Lease-North Pad, directly over the deeper residual impacted soils, to minimize potential upward vertical migration of soil vapors from the deeper impacts. Additionally, shallow pipelines were removed throughout the site.
- Active soil venting activities were performed at the SADD Lease-North Pad and removed over 14,600 pounds of hydrocarbons from the subsurface. Mass removal rates and system influent concentrations have decreased by approximately 90 percent or greater and appear to have reached asymptotic conditions.
- Site-wide groundwater monitoring indicates that minimal impact to groundwater has occurred. Low hydrocarbon concentrations were only sporadically detected over five separate site-wide monitoring events spanning approximately 18 months. Most of the eight monitoring wells contained no detectable hydrocarbon concentrations over the entire monitoring period.
- A HRA was conducted to evaluate whether passive venting of residual impacted soil would pose a health risk to future site users or occupants, considering the proposed golf course and residential redevelopment of the Site. It should be noted that no residential structures would be built over the impacted areas. All impacted areas will be incorporated as features of the golf course. The HRA concluded that the maximum predicted individual excess carcinogenic risks at all modeled locations would be well below the OEHHA recommended significance level. Correspondingly, the non-

carcinogenic chronic and acute hazard indices predicted in this analysis have also been shown to be orders of magnitude below the OEHHA recommended significance level. As such, the passive venting of the soil gas wells in the SADD Lease-North and South Pads are not predicted to cause any significant health risk to future residents, workers, or guests during the construction or operation of the proposed golf course.

In summary, impacted soil was identified and characterized. Remedial activities have been performed to remove and reduce contaminant mass. A HRA provided confirmation that residual impacted soil poses no significant risks to future site users. At this time, Los Valles requests that the LACFD approve the permanent shutdown of the active soil venting system and transitioning to the passive venting phase. Consistent with previous discussions with the LACFD, Los Valles will perform a final round of sampling at the site. This sampling event will consist of two components:

1. Soil sampling at four to six locations, at multiple depths, at the SADD Lease North Pad; and
2. Confirmation soil vapor sampling from all existing passive venting wells.

Los Valles will coordinate the field schedule with the LACFD over the next few weeks.

7.0 REFERENCES

ERM. 2004a. Evaluation of Subsurface Petroleum Hydrocarbon Impacts, Former Oil Production Pad Areas, Hasley Canyon Development Site.

ERM. 2004b. Summary Report, Los Valles Land & Golf, LLC.

ERM. 2004c. Remedial Action Plan, Former SADD Lease Site.

ERM. 2006. Health Risk Assessment Report.

Figures

Figures

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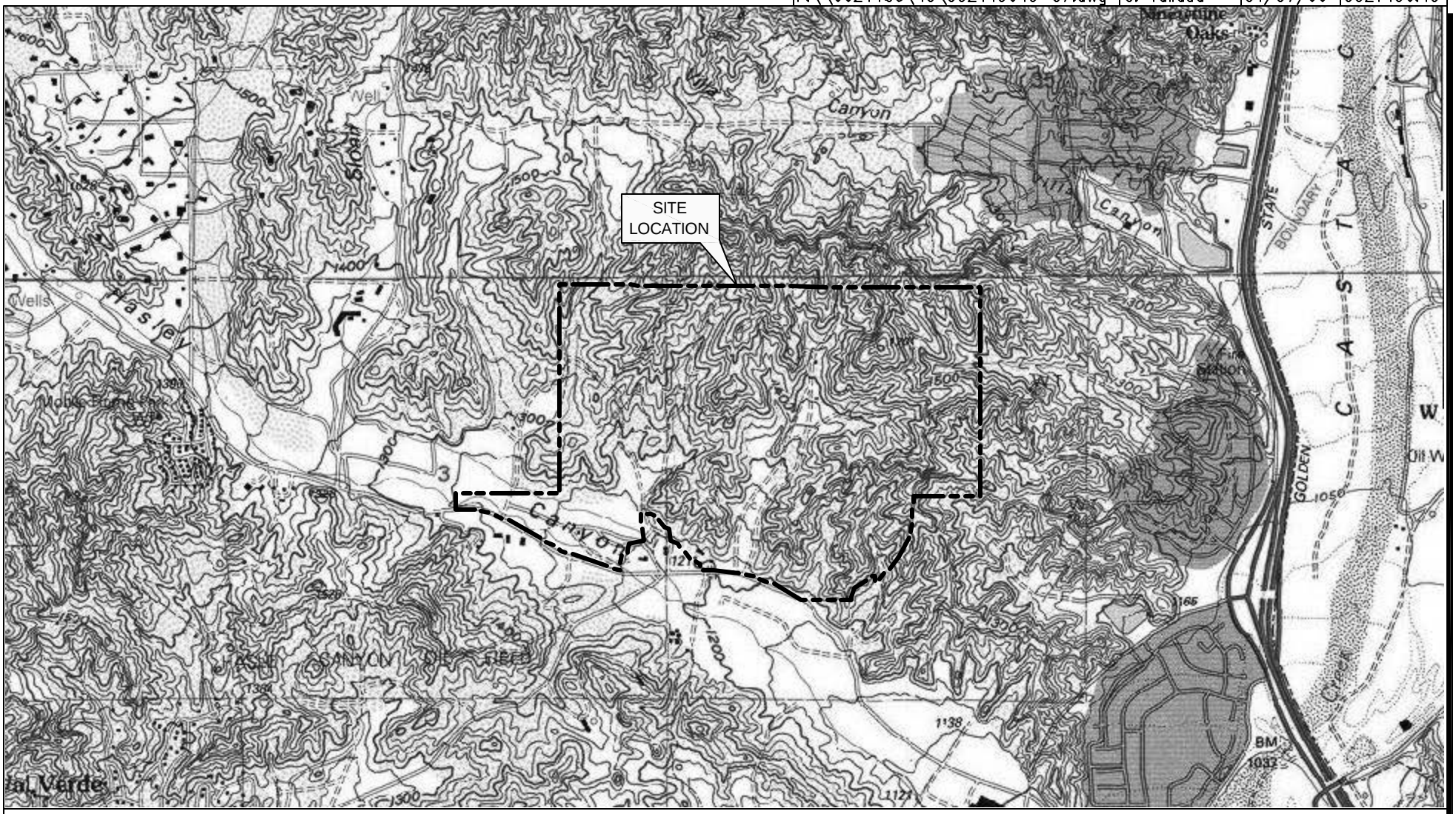

References:
Seamless U.S.G.S. 7.5 Minute Topographic Series
Map created with TOPO!® © 2001
National Geographic Holdings

N

0 900' 1800' 3600'

SCALE IN FEET

Figure 1

Site Location Map

Los Valles Land & Golf, LLC

Los Angeles County, California

ERM *04/06*

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Drawn By: C. Tallada
Date: 04/07/06
Project No. 0021456.40

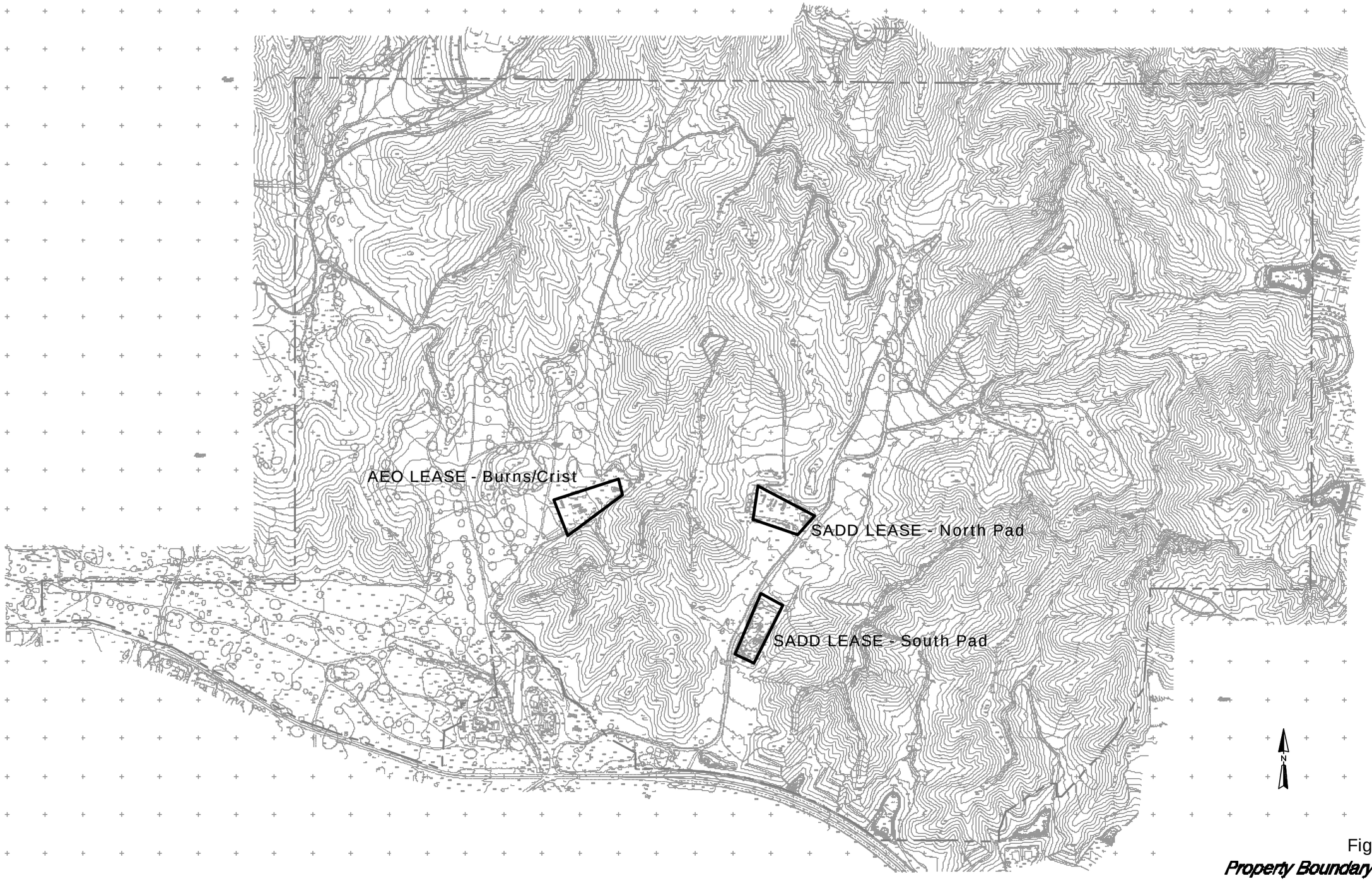

Figure 2

Property Boundary Map
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06

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Date: 04/07/06
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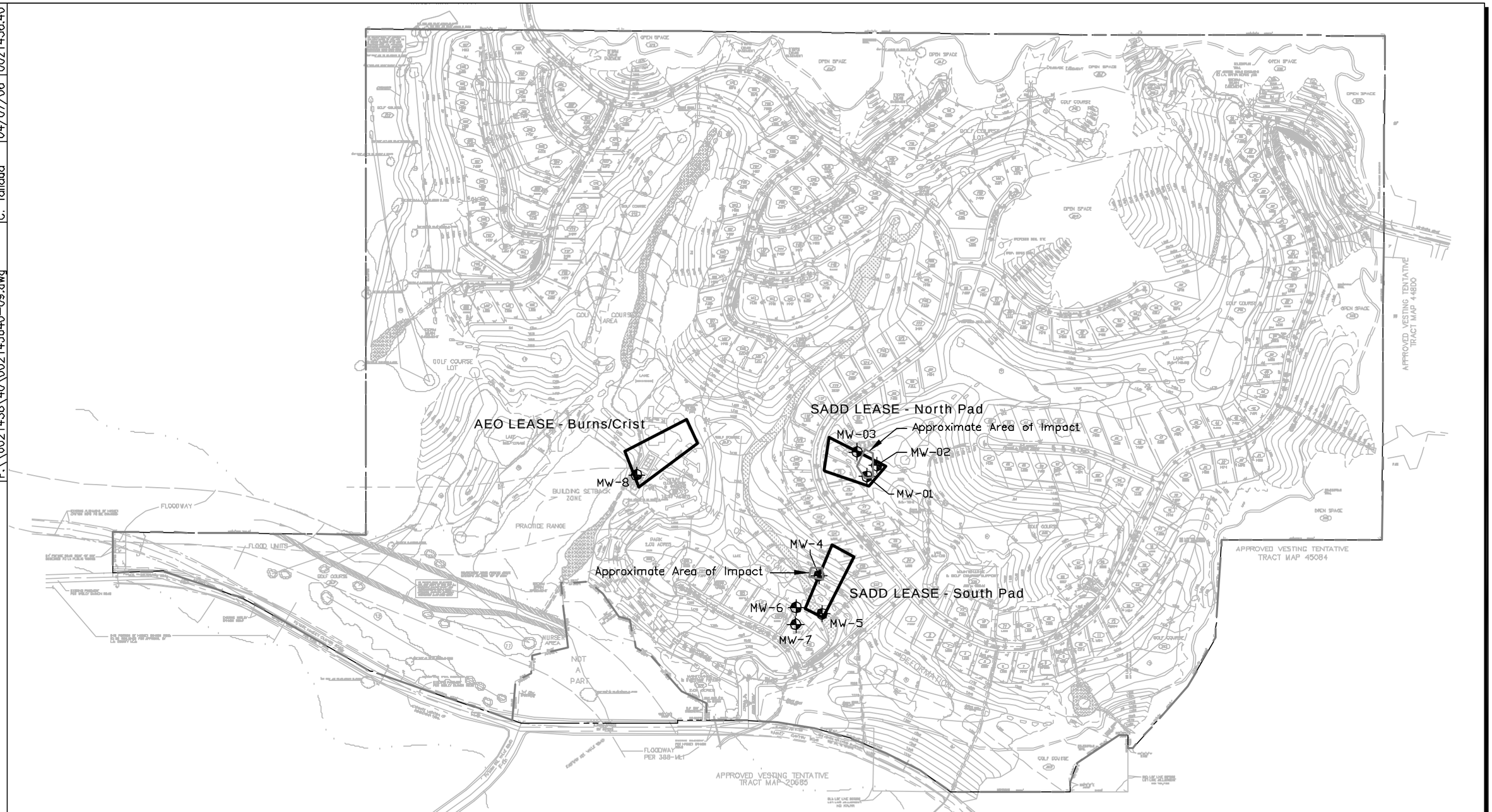


N

0 250' 500' 1000'

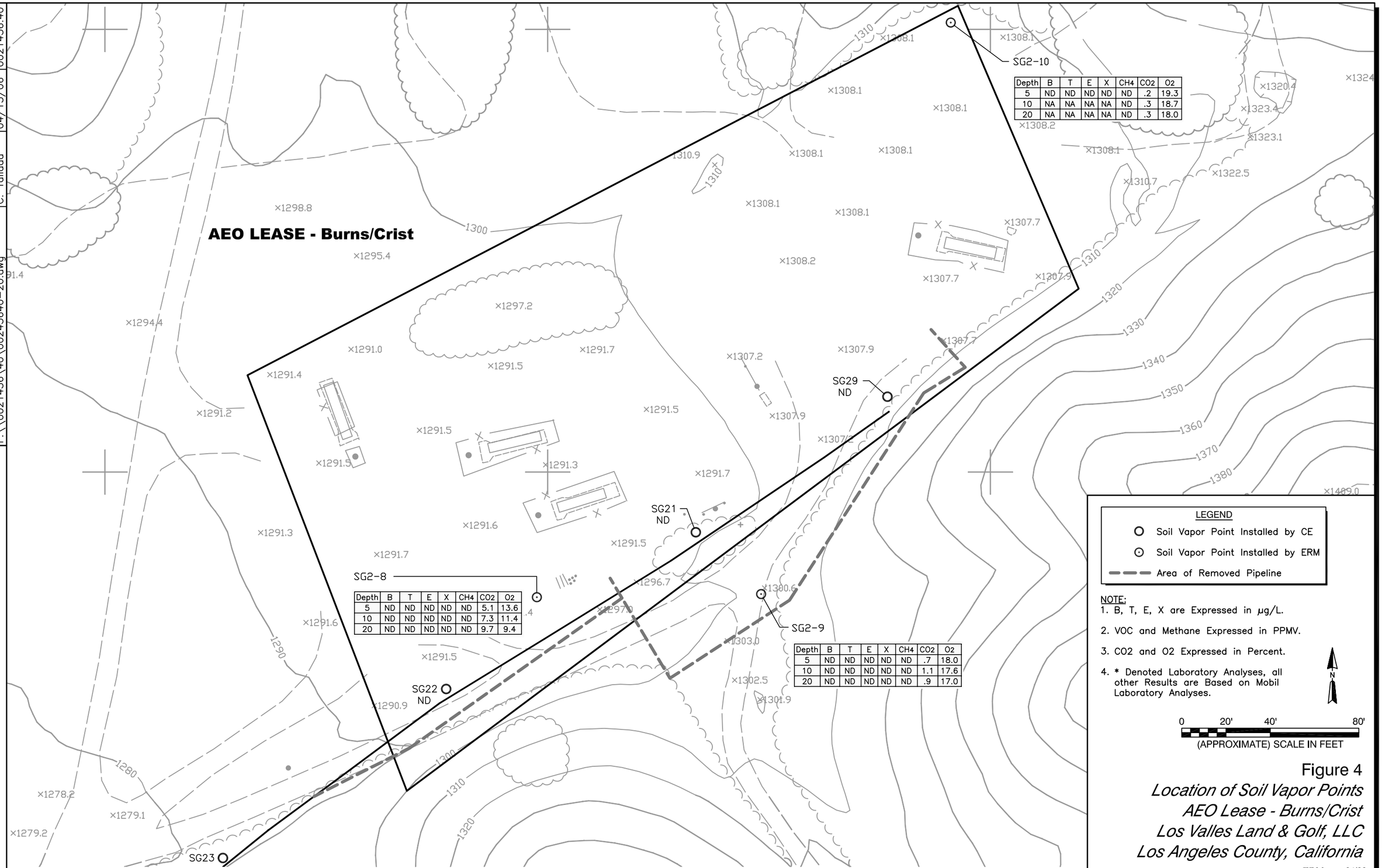
SCALE IN FEET

Figure 3

Proposed Land Use
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM *04/06*

Project No. 0021456.40
Date: 04/13/06
Drawn By: C. Tallada
CAD File: F:\0021456\40\00245640-20.dwg



Depth	B	T	E	X	CH4	CO2	O2
5	ND	ND	ND	ND	ND	.2	19.3
10	NA	NA	NA	NA	ND	.3	18.7
20	NA	NA	NA	NA	ND	.3	18.0

Depth	B	T	E	X	CH4	CO2	O2
5	ND	ND	ND	ND	ND	5.1	13.6
10	ND	ND	ND	ND	ND	7.3	11.4
20	ND	ND	ND	ND	ND	9.7	9.4

Depth	B	T	E	X	CH4	CO2	O2
5	ND	ND	ND	ND	ND	.7	18.0
10	ND	ND	ND	ND	ND	1.1	17.6
20	ND	ND	ND	ND	ND	.9	17.0

Figure 4
Location of Soil Vapor Points
AEO Lease - Burns/Crist
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06

Project No. 0021456.40
Date: 04/13/06
Drawn By: C. Tallada
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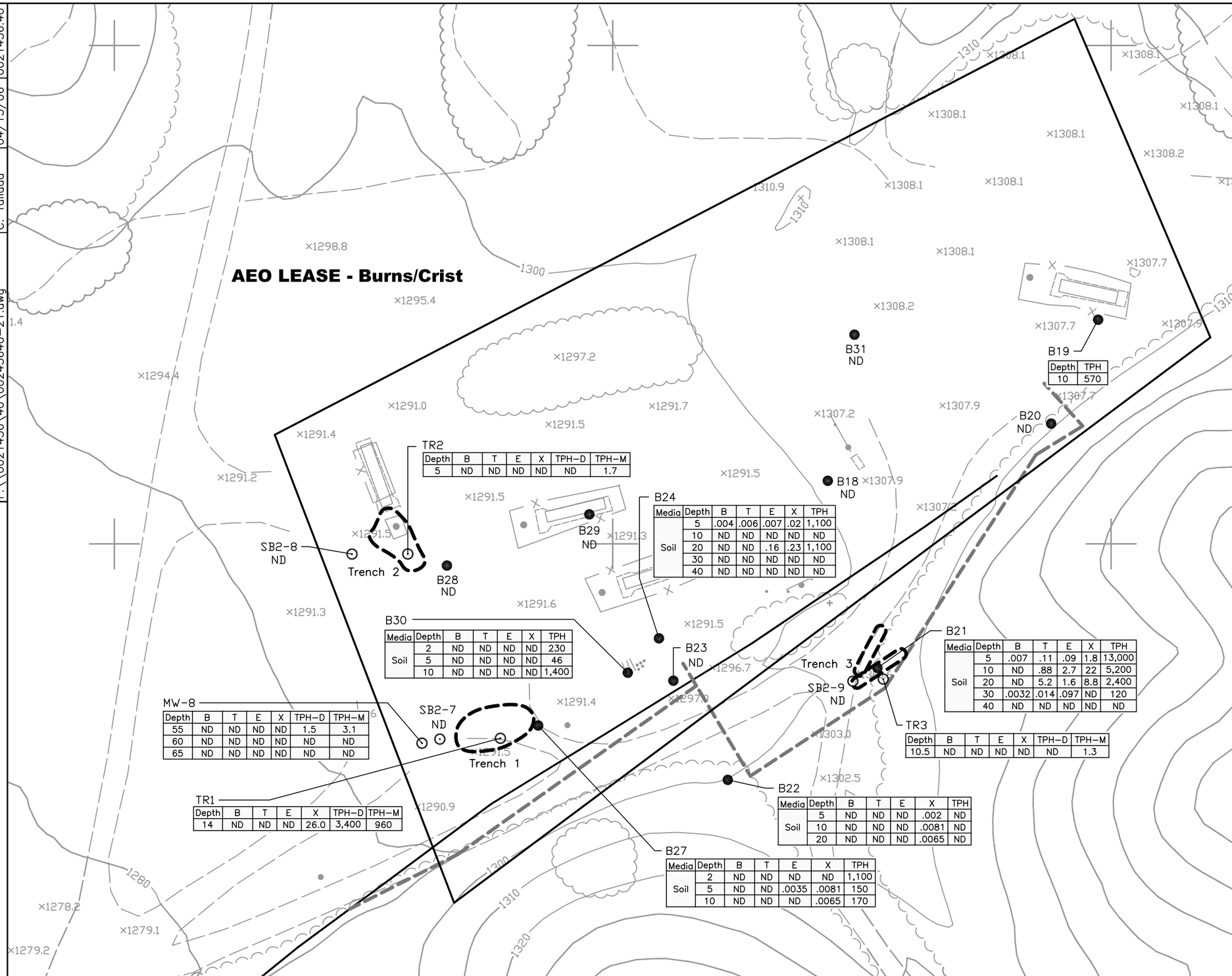

Depth	TPH
10	570

Depth	B	T	E	X	TPH-D	TPH-M
5	ND	ND	ND	ND	ND	1.7

Media	Depth	B	T	E	X	TPH
Soil	5	.004	.006	.007	.02	1,100
	10	ND	ND	ND	ND	ND
	20	ND	ND	.16	.23	1,100
	30	ND	ND	ND	ND	ND
	40	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH
Soil	2	ND	ND	ND	ND	230
	5	ND	ND	ND	ND	46
	10	ND	ND	ND	ND	1,400

Depth	B	T	E	X	TPH-D	TPH-M
55	ND	ND	ND	ND	1.5	3.1
60	ND	ND	ND	ND	ND	ND
65	ND	ND	ND	ND	ND	ND

Depth	B	T	E	X	TPH-D	TPH-M
14	ND	ND	ND	26.0	3,400	960

Media	Depth	B	T	E	X	TPH
Soil	5	.007	.11	.09	1.8	13,000
	10	ND	.88	2.7	22	5,200
	20	ND	5.2	1.6	8.8	2,400
	30	.0032	.014	.097	ND	120
	40	ND	ND	ND	ND	ND

Depth	B	T	E	X	TPH-D	TPH-M
10.5	ND	ND	ND	ND	ND	1.3

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	.002	ND
	10	ND	ND	ND	.0081	ND
	20	ND	ND	ND	.0065	ND

Media	Depth	B	T	E	X	TPH
Soil	2	ND	ND	ND	ND	1,100
	5	ND	ND	.0035	.0081	150
	10	ND	ND	ND	.0065	170

LEGEND

- Location of Soil Boring Installed by CE
- Location of Soil Boring Installed by ERM
- Area of Removed Pipeline
- Trench Area
- B = Benzene
- T = Toluene
- E = Ethylbenzene
- X = Xylene
- ND = Not Detected
- TPH = Total Petroleum Hydrocarbons
- TPH-D = TPH in Diesel Range
- TPH-M = TPH in Motor Oil Range

NOTE:
Soil Results in mg/kg

N

0 20' 40' 80'
(APPROXIMATE) SCALE IN FEET

Figure 5
Location of Soil Borings
AEO Lease - Burns/Crist
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06

Project No. 0021456.40
Date: 04/13/06
Drawn By: C. Tallada
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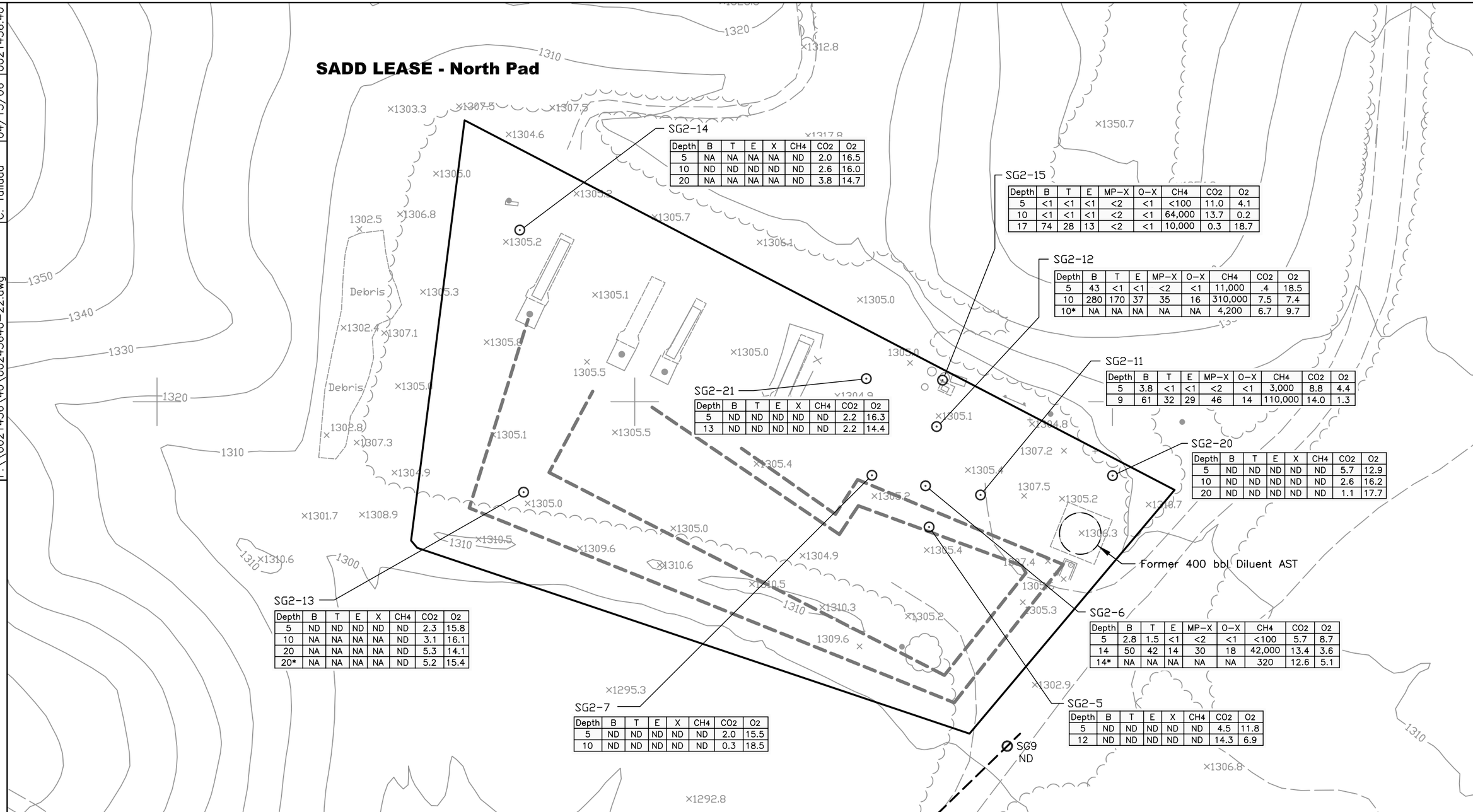

SG2-14							
Depth	B	T	E	X	CH4	CO2	O2
5	NA	NA	NA	NA	ND	2.0	16.5
10	ND	ND	ND	ND	ND	2.6	16.0
20	NA	NA	NA	NA	ND	3.8	14.7

SG2-15								
Depth	B	T	E	MP-X	O-X	CH4	CO2	O2
5	<1	<1	<1	<2	<1	<100	11.0	4.1
10	<1	<1	<1	<2	<1	64,000	13.7	0.2
17	74	28	13	<2	<1	10,000	0.3	18.7

SG2-12								
Depth	B	T	E	MP-X	O-X	CH4	CO2	O2
5	43	<1	<1	<2	<1	11,000	.4	18.5
10	280	170	37	35	16	310,000	7.5	7.4
10*	NA	NA	NA	NA	NA	4,200	6.7	9.7

SG2-11								
Depth	B	T	E	MP-X	O-X	CH4	CO2	O2
5	3.8	<1	<1	<2	<1	3,000	8.8	4.4
9	61	32	29	46	14	110,000	14.0	1.3

SG2-21							
Depth	B	T	E	X	CH4	CO2	O2
5	ND	ND	ND	ND	ND	2.2	16.3
13	ND	ND	ND	ND	ND	2.2	14.4

SG2-20							
Depth	B	T	E	X	CH4	CO2	O2
5	ND	ND	ND	ND	ND	5.7	12.9
10	ND	ND	ND	ND	ND	2.6	16.2
20	ND	ND	ND	ND	ND	1.1	17.7

SG2-13							
Depth	B	T	E	X	CH4	CO2	O2
5	ND	ND	ND	ND	ND	2.3	15.8
10	NA	NA	NA	NA	ND	3.1	16.1
20	NA	NA	NA	NA	ND	5.3	14.1
20*	NA	NA	NA	NA	ND	5.2	15.4

SG2-6								
Depth	B	T	E	MP-X	O-X	CH4	CO2	O2
5	2.8	1.5	<1	<2	<1	<100	5.7	8.7
14	50	42	14	30	18	42,000	13.4	3.6
14*	NA	NA	NA	NA	NA	320	12.6	5.1

SG2-7							
Depth	B	T	E	X	CH4	CO2	O2
5	ND	ND	ND	ND	ND	2.0	15.5
10	ND	ND	ND	ND	ND	0.3	18.5

SG2-5							
Depth	B	T	E	X	CH4	CO2	O2
5	ND	ND	ND	ND	ND	4.5	11.8
12	ND	ND	ND	ND	ND	14.3	6.9

LEGEND

- Soil Vapor Point Installed by CE
- Soil Vapor Point Installed by ERM
- Area of Removed Pipeline

Consentrations Expressed in Methane PPMV

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylene
NA = Not Analyzed
ND = Not Detected

NOTE:
1. B, T, E, X are Expressed in µg/L.
2. VOC and Methane Expressed in PPMV.
3. CO2 and O2 Expressed in Percent.
4. * Denoted Laboratory Analyses, all other Results are Based on Mobil Laboratory Analyses.

N

0 20' 40' 80'
(APPROXIMATE) SCALE IN FEET

Figure 6
Location of Soil Vapor Points
SADD Lease - North Pad
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06

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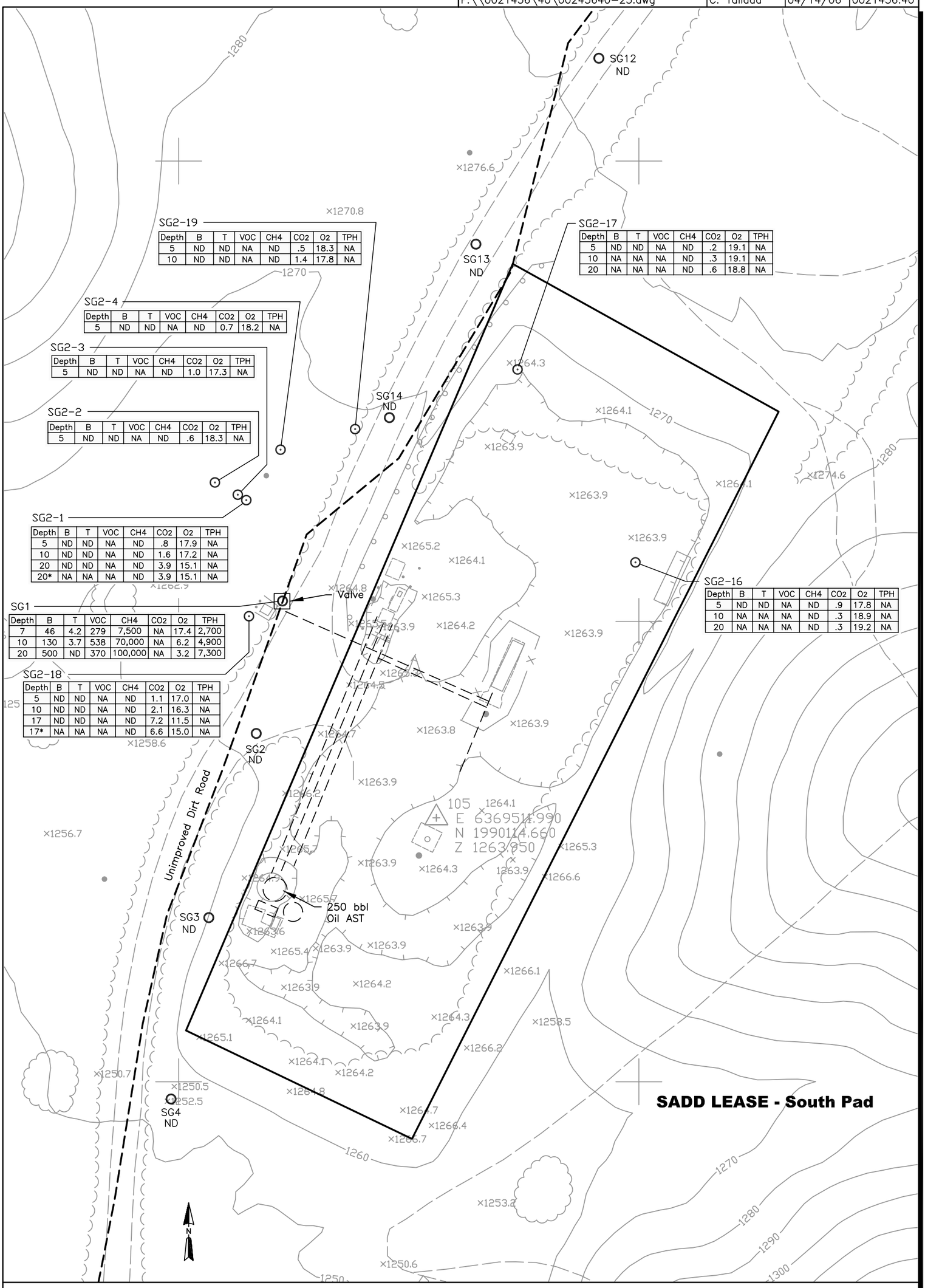


SG2-19

Depth	B	T	VOC	CH4	CO2	O2	TPH
5	ND	ND	NA	ND	.5	18.3	NA
10	ND	ND	NA	ND	1.4	17.8	NA

SG2-17

Depth	B	T	VOC	CH4	CO2	O2	TPH
5	ND	ND	NA	ND	.2	19.1	NA
10	NA	NA	NA	ND	.3	19.1	NA
20	NA	NA	NA	ND	.6	18.8	NA

SG2-4

Depth	B	T	VOC	CH4	CO2	O2	TPH
5	ND	ND	NA	ND	0.7	18.2	NA

SG2-3

Depth	B	T	VOC	CH4	CO2	O2	TPH
5	ND	ND	NA	ND	1.0	17.3	NA

SG2-2

Depth	B	T	VOC	CH4	CO2	O2	TPH
5	ND	ND	NA	ND	.6	18.3	NA

SG2-1

Depth	B	T	VOC	CH4	CO2	O2	TPH
5	ND	ND	NA	ND	.8	17.9	NA
10	ND	ND	NA	ND	1.6	17.2	NA
20	ND	ND	NA	ND	3.9	15.1	NA
20*	NA	NA	NA	ND	3.9	15.1	NA

SG1

Depth	B	T	VOC	CH4	CO2	O2	TPH
7	46	4.2	279	7,500	NA	17.4	2,700
10	130	3.7	538	70,000	NA	6.2	4,900
20	500	ND	370	100,000	NA	3.2	7,300

SG2-18

Depth	B	T	VOC	CH4	CO2	O2	TPH
5	ND	ND	NA	ND	1.1	17.0	NA
10	ND	ND	NA	ND	2.1	16.3	NA
17	ND	ND	NA	ND	7.2	11.5	NA
17*	NA	NA	NA	ND	6.6	15.0	NA

SG2-16

Depth	B	T	VOC	CH4	CO2	O2	TPH
5	ND	ND	NA	ND	.9	17.8	NA
10	NA	NA	NA	ND	.3	18.9	NA
20	NA	NA	NA	ND	.3	19.2	NA

0 20' 40' 80'

(APPROXIMATE) SCALE IN FEET

LEGEND

- Soil Vapor Point Installed by CE
- Soil Vapor Point Installed by ERM
- Area of Removed Pipeline

CH4 = Methane
VOC = Volatile Organic Compound
B = Benzene
T = Toluene
ND = Not Detected
NA = Mot Analyzed
CO2 = Carbon Dioxide
O2 = Oxygen

NOTE:
1. B, T, E, X are Expressed in µg/L.
2. VOC and Methane Expressed in PPMV.
3. CO2 and O2 Expressed in Percent.
4. * Denoted Laboratory Analyses, all other Results are Based on Mobil Laboratory Analyses.

Figure 7
Location of Soil Vapor Points
SADD Lease - South Pad
Los Valles Land & Golf, LLC
Los Angeles County, California

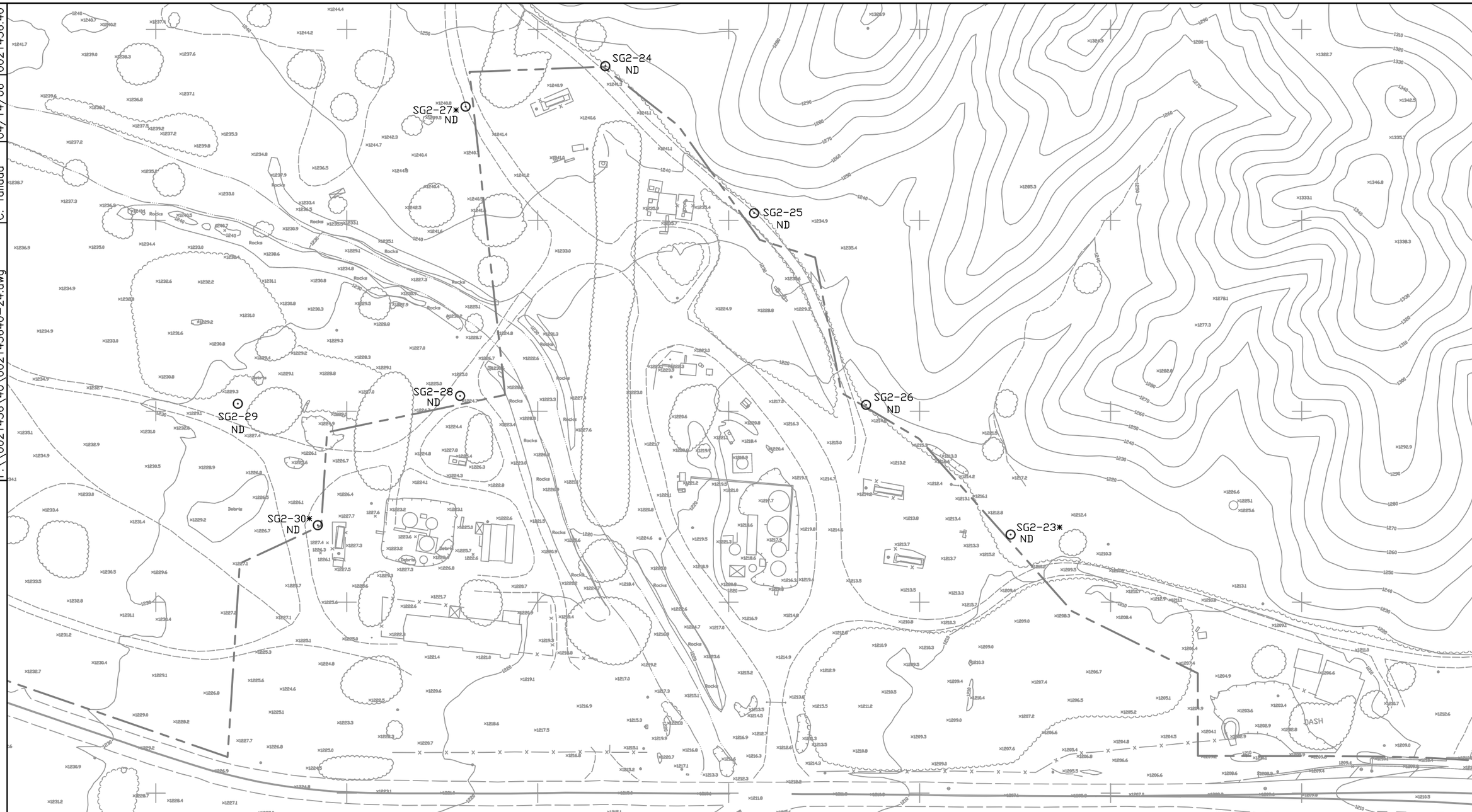
ERM 04/06

Project No. 0021456.40

Date: 04/14/06

Drawn By: C. Tallada

CAD File: F:\0021456\40\00214564O-24.dwg



NOTE:
1. B, T, E, X are Expressed in µg/L.
2. VOC and Methane Expressed in PPMV.
3. CO2 and O2 Expressed in Percent.
4. * Denoted Laboratory Analyses and Mobil Laboratory Analyses.

LEGEND
- ⊙ Soil Vapor Point Installed by ERM
- Property Boundary

N

0 50' 100' 200'
(APPROXIMATE) SCALE IN FEET

Figure 8
Location of Soil Vapor Points
Off-Site Property Boundary Near Active Oil Producing Area
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06

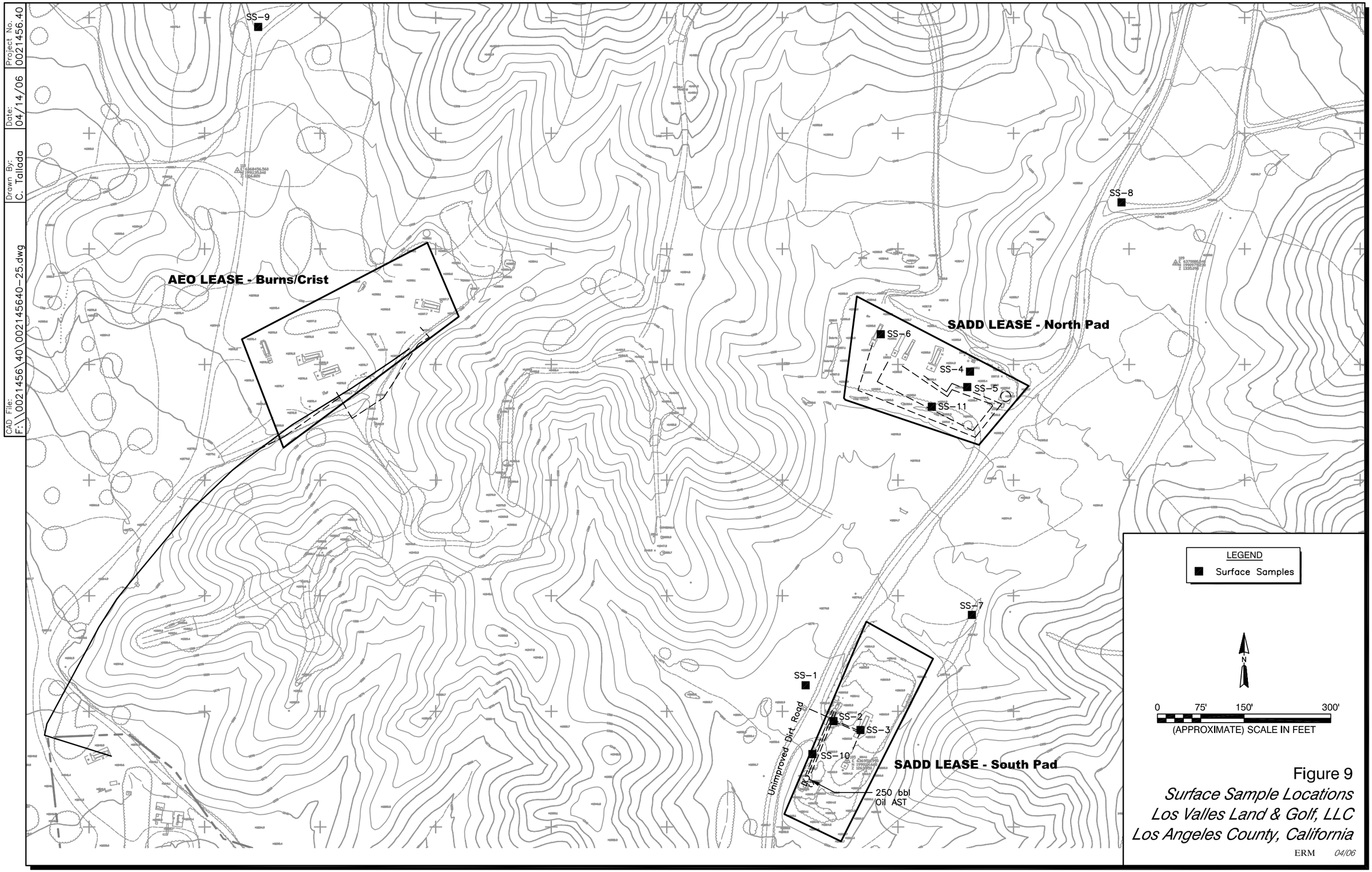


Figure 9
Surface Sample Locations
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06

Project No. 0021456.40
Date: 04/14/06
Drawn By: C. Tallada
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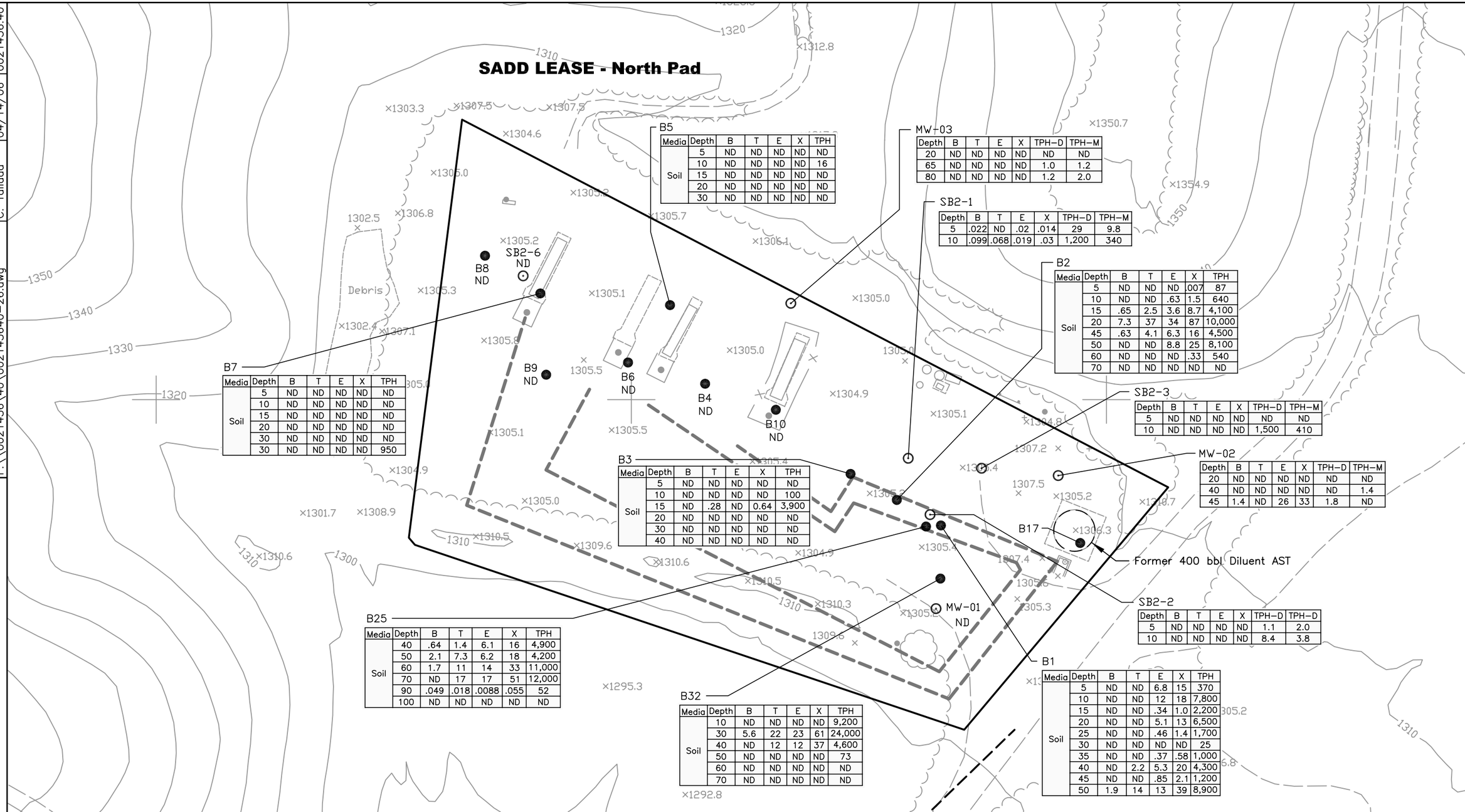
SADD LEASE - North Pad



B5						
Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	16
	15	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND

MW-03						
Depth	B	T	E	X	TPH-D	TPH-M
20	ND	ND	ND	ND	ND	ND
65	ND	ND	ND	ND	1.0	1.2
80	ND	ND	ND	ND	1.2	2.0

SB2-1						
Depth	B	T	E	X	TPH-D	TPH-M
5	.022	ND	.02	.014	29	9.8
10	.099	.068	.019	.03	1,200	340

B2						
Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	.007	87
	10	ND	ND	.63	1.5	640
	15	.65	2.5	3.6	8.7	4,100
	20	7.3	37	34	87	10,000
	45	.63	4.1	6.3	16	4,500
	50	ND	ND	8.8	25	8,100
	60	ND	ND	ND	.33	540
	70	ND	ND	ND	ND	ND

SB2-3						
Depth	B	T	E	X	TPH-D	TPH-M
5	ND	ND	ND	ND	ND	ND
10	ND	ND	ND	ND	1,500	410

MW-02						
Depth	B	T	E	X	TPH-D	TPH-M
20	ND	ND	ND	ND	ND	ND
40	ND	ND	ND	ND	ND	1.4
45	1.4	ND	26	33	1.8	ND

B7						
Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	950

B3						
Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	100
	15	ND	.28	ND	0.64	3,900
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	40	ND	ND	ND	ND	ND

SB2-2						
Depth	B	T	E	X	TPH-D	TPH-D
5	ND	ND	ND	ND	1.1	2.0
10	ND	ND	ND	ND	8.4	3.8

B25						
Media	Depth	B	T	E	X	TPH
Soil	40	.64	1.4	6.1	16	4,900
	50	2.1	7.3	6.2	18	4,200
	60	1.7	11	14	33	11,000
	70	ND	17	17	51	12,000
	90	.049	.018	.0088	.055	52
	100	ND	ND	ND	ND	ND

B32						
Media	Depth	B	T	E	X	TPH
Soil	10	ND	ND	ND	ND	9,200
	30	5.6	22	23	61	24,000
	40	ND	12	12	37	4,600
	50	ND	ND	ND	ND	73
	60	ND	ND	ND	ND	ND
	70	ND	ND	ND	ND	ND

B1						
Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	6.8	15	370
	10	ND	ND	12	18	7,800
	15	ND	ND	.34	1.0	2,200
	20	ND	ND	5.1	13	6,500
	25	ND	ND	.46	1.4	1,700
	30	ND	ND	ND	ND	25
	35	ND	ND	.37	.58	1,000
	40	ND	2.2	5.3	20	4,300
	45	ND	ND	.85	2.1	1,200
	50	1.9	14	13	39	8,900

LEGEND

- Location of Soil Boring Installed by CE
- Location of Soil Boring Installed by ERM
- Area of Removed Pipeline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylene
ND = Not Detected
TPH = Total Petroleum Hydrocarbons
TPH-D = TPH in Diesel Range
TPH-M = TPH in Motor Oil Range

NOTE:
Soil Results in mg/kg, Water Results in µg/L

N

0 20' 40' 80'
(APPROXIMATE) SCALE IN FEET

Figure 10
Location of Soil Borings
SADD Lease - North Pad
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06

CAD File:	Drawn By:	Date:	Project No.
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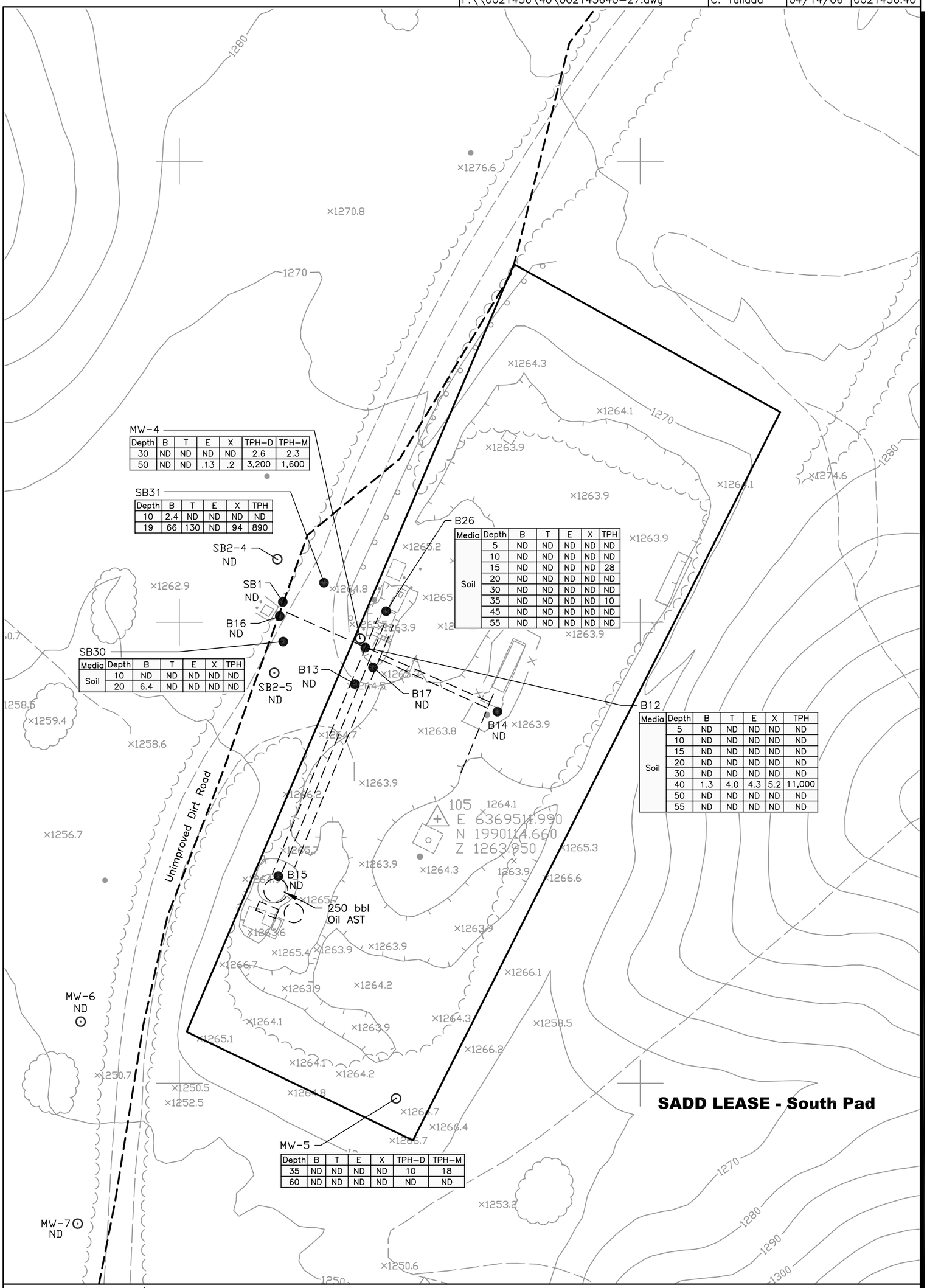


MW-4						
Depth	B	T	E	X	TPH-D	TPH-M
30	ND	ND	ND	ND	2.6	2.3
50	ND	ND	.13	.2	3,200	1,600

SB31					
Depth	B	T	E	X	TPH
10	2.4	ND	ND	ND	ND
19	66	130	ND	94	890

B26						
Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	28
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	35	ND	ND	ND	ND	10
	45	ND	ND	ND	ND	ND
	55	ND	ND	ND	ND	ND

SB30						
Media	Depth	B	T	E	X	TPH
Soil	10	ND	ND	ND	ND	ND
	20	6.4	ND	ND	ND	ND

B12						
Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	40	1.3	4.0	4.3	5.2	11,000
	50	ND	ND	ND	ND	ND
	55	ND	ND	ND	ND	ND

MW-5						
Depth	B	T	E	X	TPH-D	TPH-M
35	ND	ND	ND	ND	10	18
60	ND	ND	ND	ND	ND	ND

NOTE: Soil Results in mg/kg

LEGEND

- ● Location of Soil Boring Installed by CE
- ⊙ Location of Soil Boring Installed by ERM
- Area of Removed Pipeline

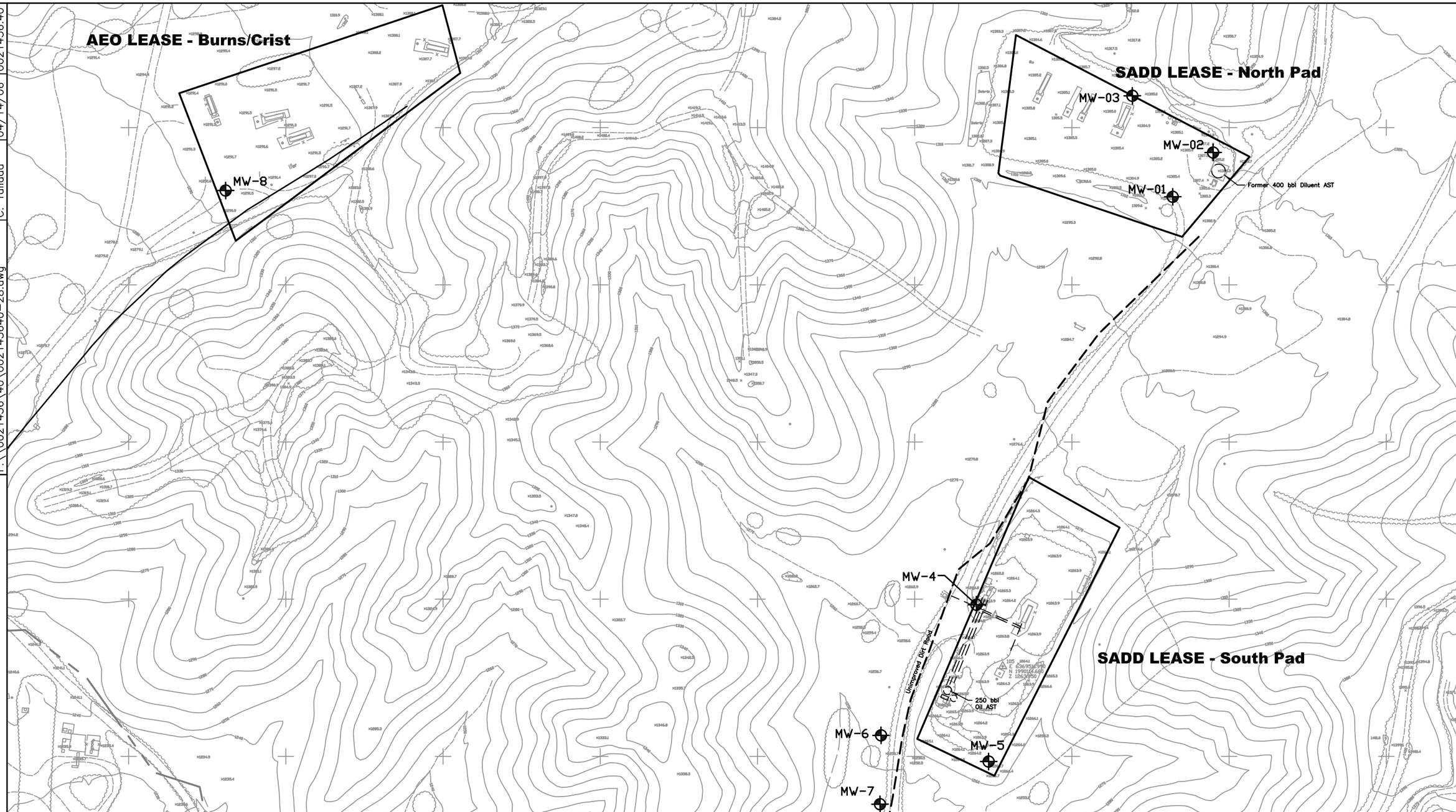
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylene
ND = Not Detected
TPH = Total Petroleum Hydrocarbons
TPH-D = TPH in Diesel Range
TPH-M = TPH in Motor Oil Range

N

0 20' 40' 80'
(APPROXIMATE) SCALE IN FEET

Figure 11
Location of Soil Borings
SADD Lease - South Pad
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06



NOTE:
1. Water Results in µg/L, Except for TPH which is in mg/L.
2. Low Levels of Benzene and Toluene Isomers were also Present in MW-4.

LEGEND
Location of Monitoring Wells

N

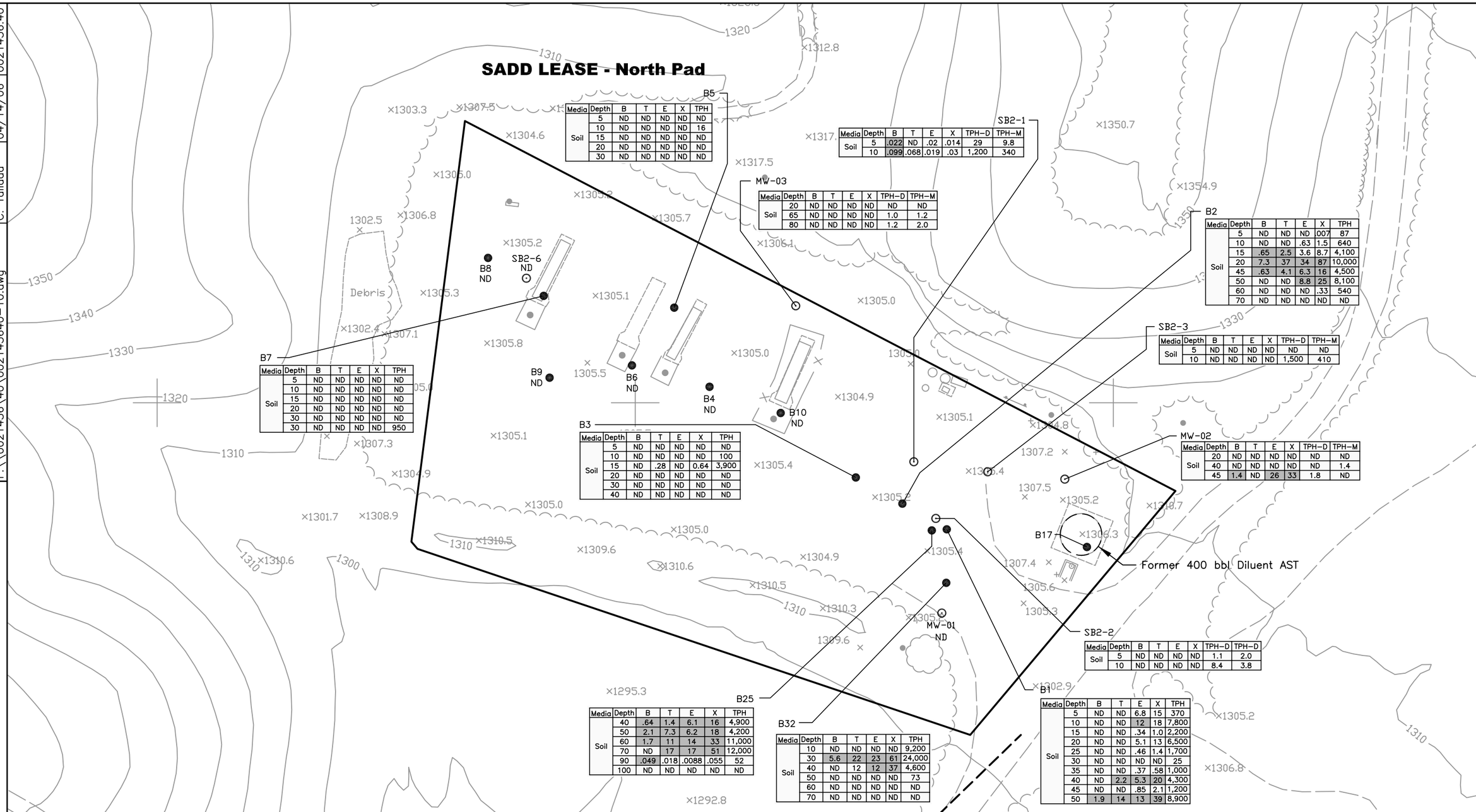
0 60' 120' 240'
(APPROXIMATE) SCALE IN FEET

Figure 12
Location of Monitoring Wells
SADD Lease - North and South Pads
Los Valles Land & Golf, LLC
Los Angeles County, California
ERM 04/06

CAD File: F:\0021456\40\0021456\40-28.dwg
Drawn By: C. Tallada
Date: 04/14/06
Project No. 0021456.40

Project No. 0021456.40 | Date: 04/14/06 | Drawn By: C. Tallada | CAD File: F:\0021456\40\0021456 40-10.dwg

SADD LEASE - North Pad



Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	16
	15	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	5	.022	ND	.02	.014	29	9.8
	10	.099	.068	.019	.03	1,200	340

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	20	ND	ND	ND	ND	ND	ND
	65	ND	ND	ND	ND	1.0	1.2
	80	ND	ND	ND	ND	1.2	2.0

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	.007	87
	10	ND	ND	.63	1.5	640
	15	.65	2.5	3.6	8.7	4,100
	20	7.3	37	34	87	10,000
	45	.63	4.1	6.3	16	4,500
	50	ND	ND	8.8	25	8,100
	60	ND	ND	ND	.33	540
	70	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	5	ND	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	1,500	410

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	950

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	100
	15	ND	.28	ND	0.64	3,900
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	40	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	20	ND	ND	ND	ND	ND	ND
	40	ND	ND	ND	ND	ND	1.4
	45	1.4	ND	26	33	1.8	ND

Media	Depth	B	T	E	X	TPH-D	TPH-D
Soil	5	ND	ND	ND	ND	1.1	2.0
	10	ND	ND	ND	ND	8.4	3.8

Media	Depth	B	T	E	X	TPH
Soil	40	.64	1.4	6.1	16	4,900
	50	2.1	7.3	6.2	18	4,200
	60	1.7	11	14	33	11,000
	70	ND	17	17	51	12,000
	90	.049	.018	.0088	.055	52
	100	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH
Soil	10	ND	ND	ND	ND	9,200
	30	5.6	22	23	61	24,000
	40	ND	12	12	37	4,600
	50	ND	ND	ND	ND	73
	60	ND	ND	ND	ND	ND
	70	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	6.8	15	370
	10	ND	ND	12	18	7,800
	15	ND	ND	.34	1.0	2,200
	20	ND	ND	5.1	13	6,500
	25	ND	ND	.46	1.4	1,700
	30	ND	ND	ND	ND	25
	35	ND	ND	.37	.58	1,000
	40	ND	2.2	5.3	20	4,300
	45	ND	ND	.85	2.1	1,200
	50	1.9	14	13	39	8,900

LEGEND

- ● Location of Soil Boring Installed by CE
- ⊙ Location of Soil Boring Installed by ERM

Concentrations Expressed in Methane PPMV

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylene

ND = Not Detected
NA = Not Analyzed
TPH = Total Petroleum Hydrocarbons
TPH-D = TPH in Diesel Range
TPH-M = TPH in Motor Oil Range

NOTE:
1. B, T, E, X Soil Gas Results are Expressed in µg/L.
2. Methane Expressed in PPMV.
3. CO2 and O2 Expressed in Percent.
4. * Denoted Laboratory Analyses, all other Results are Based on Mobil Laboratory Analyses.
5. Soil Results in mg/kg.
6. Shaded Values Exceed Preliminary Clean-Up Goal.

N

0 20' 40' 80'
(APPROXIMATE) SCALE IN FEET

Figure 13
Previous Investigations
SADD Lease - North Pad
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06

CAD File:	Drawn By:	Date:	Project No.
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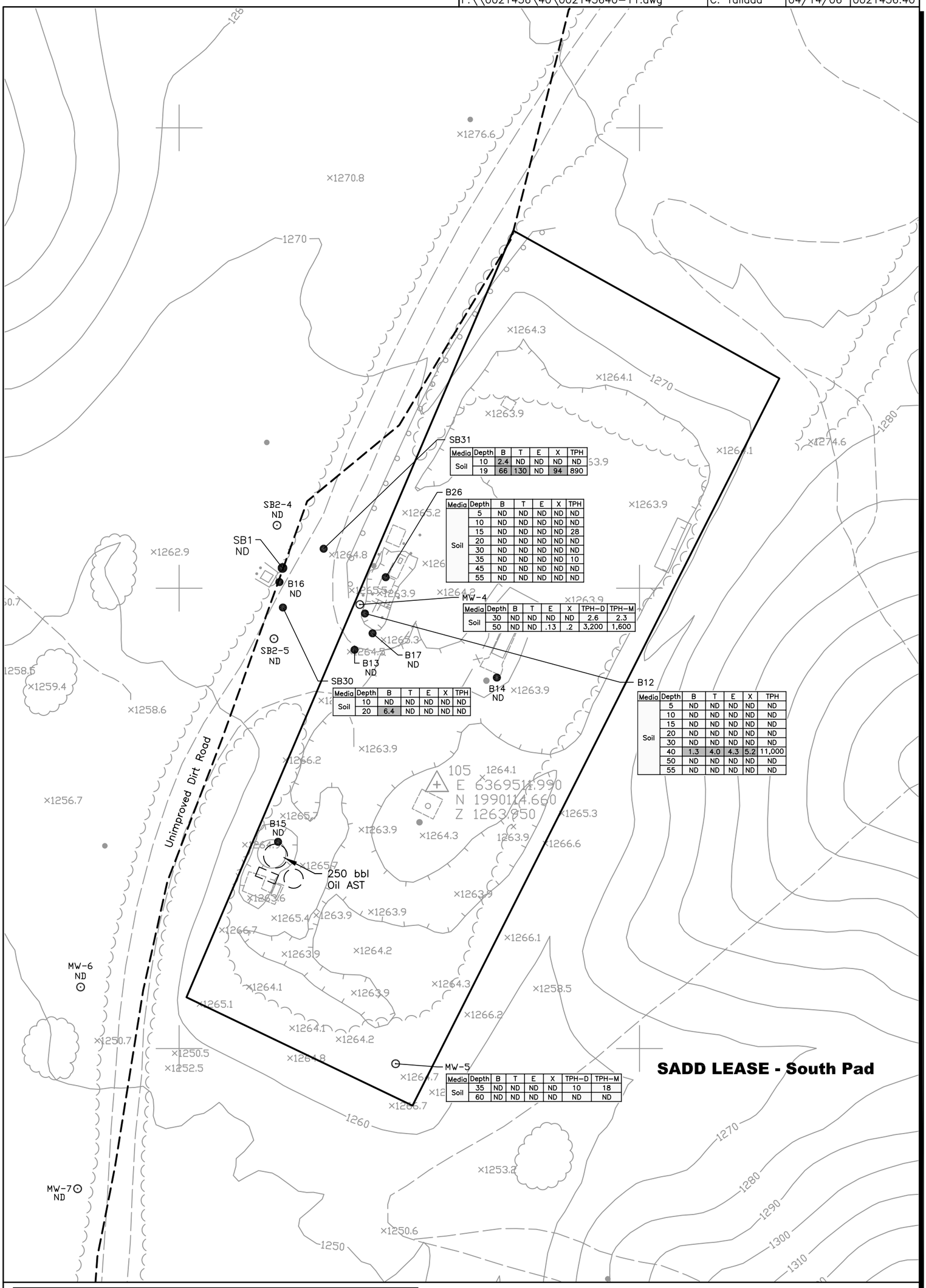


SB31

Media	Depth	B	T	E	X	TPH
Soil	10	2.4	ND	ND	ND	ND
	19	66	130	ND	94	890

B26

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	28
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	35	ND	ND	ND	ND	10
	45	ND	ND	ND	ND	ND
	55	ND	ND	ND	ND	ND

MW-4

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	30	ND	ND	ND	ND	2.6	2.3
	50	ND	ND	.13	.2	3,200	1,600

SB30

Media	Depth	B	T	E	X	TPH
Soil	10	ND	ND	ND	ND	ND
	20	6.4	ND	ND	ND	ND

B12

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	40	1.3	4.0	4.3	5.2	11,000
	50	ND	ND	ND	ND	ND
	55	ND	ND	ND	ND	ND

MW-5

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	35	ND	ND	ND	ND	10	18
	60	ND	ND	ND	ND	ND	ND

LEGEND

- ● Location of Soil Boring Installed by CE
- ⊙ Location of Soil Boring Installed by ERM

N

0 20' 40' 80'

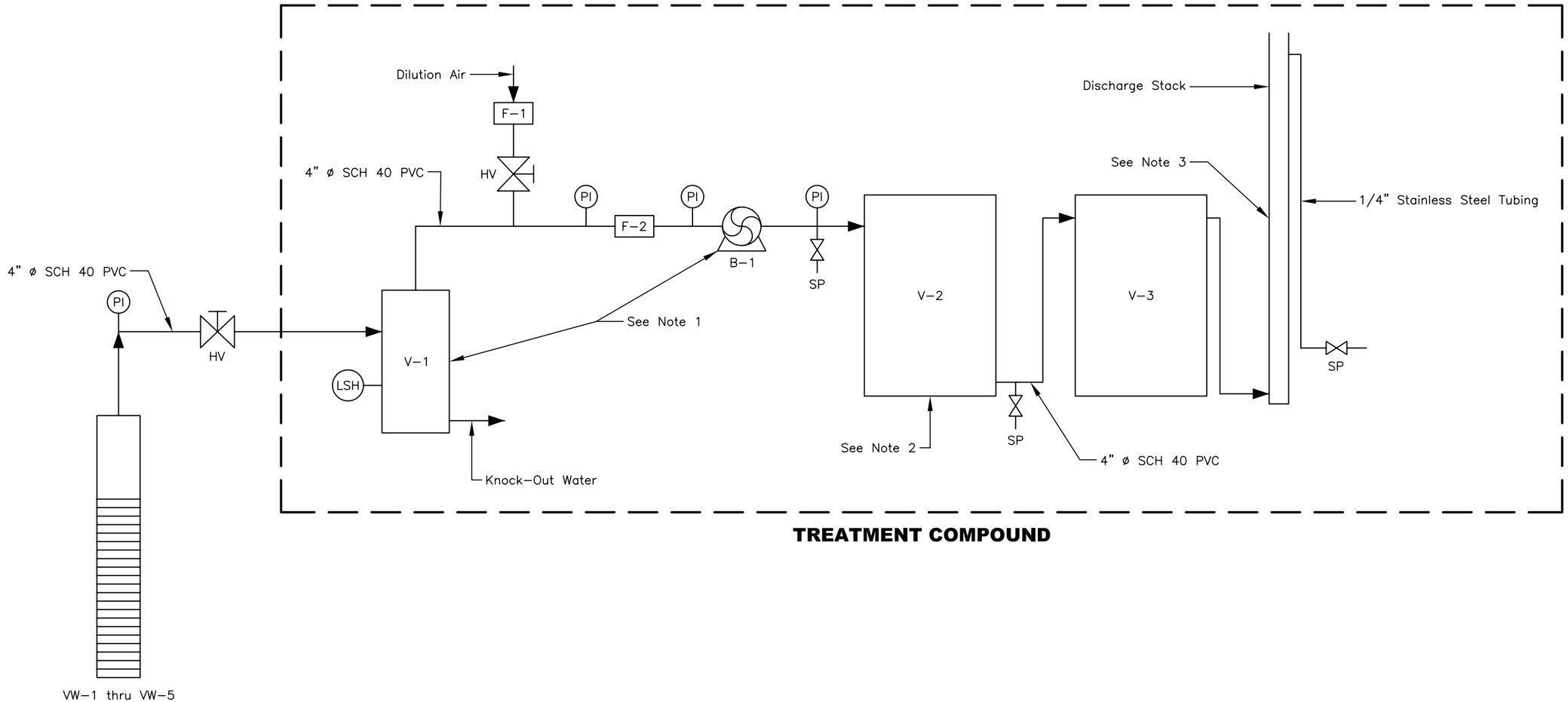
(APPROXIMATE) SCALE IN FEET

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylene
ND = Not Detected
TPH = Total Petroleum Hydrocarbons
TPH-D = TPH in Diesel Range
TPH-M = TPH in Motor Oil Range
CH4 = Methane
VOC = Volatile Organic Compound
NA = Mot Analyzed
CO2 = Carbon Dioxide
O2 = Oxygen

NOTE:
1. B, T, E, X Soil Gas Results are Expressed in µg/L.
2. Methane Expressed in PPMV.
3. CO2 and O2 Expressed in Percent.
4. * Denoted Laboratory Analyses, all other Results are Based on Mobil Laboratory Analyses.
5. Soil Results in mg/kg.
6. Shaded Values Exceed Preliminary Clean-Up Goal.

Figure 14
Previous Investigations
SADD Lease - South Pad
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06



TREATMENT COMPOUND

LEGEND

- HV — Hand Valve
- SP — Sample Port
- F-X — Filter
- V-X — Vessel
- B-X — Blower
- PI — Pressure Indicator
- LSH — High Level Switch

EQUIPMENT LIST

B-1	Regenerative Blower to Operate at 60 scfm at 12" of Mercury
F-1	Dilution Air Cartridge Filter (20 micron)
F-2	Inline Cartridge Air Filter (10 micron)
V-1	40 Gallon Air/Water Separator Rated for 50 cfm
V-2/3	500-lb Granular Activated Carbon Vessel with 4" Top and Side Connection Ports
VW-1/2/3/4/5	Soil Venting Wells

NOTES

1. The air/water separator (V-1) and the blower (B-1) shall be trailer mounted.
2. The GAC vessels (V-2, V-3) shall be skid mounted.
3. The discharge stack shall be 4"ø SCH 40 PVC and the height will be determined by the air discharge permit.
4. Piping between wells and the Venting System will be underground.
5. Controls will be installed to shut the Venting System off when there is a High Level in V-1 or when there is a High or low pressure in the vapor line.

Figure 15
Active Venting System
Process Flow Diagram
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06

Project No. 0021456.40
Date: 04/14/06
Drawn By: C. Tallada
CAD File: F:\0021456\40\0021456640-12.dwg

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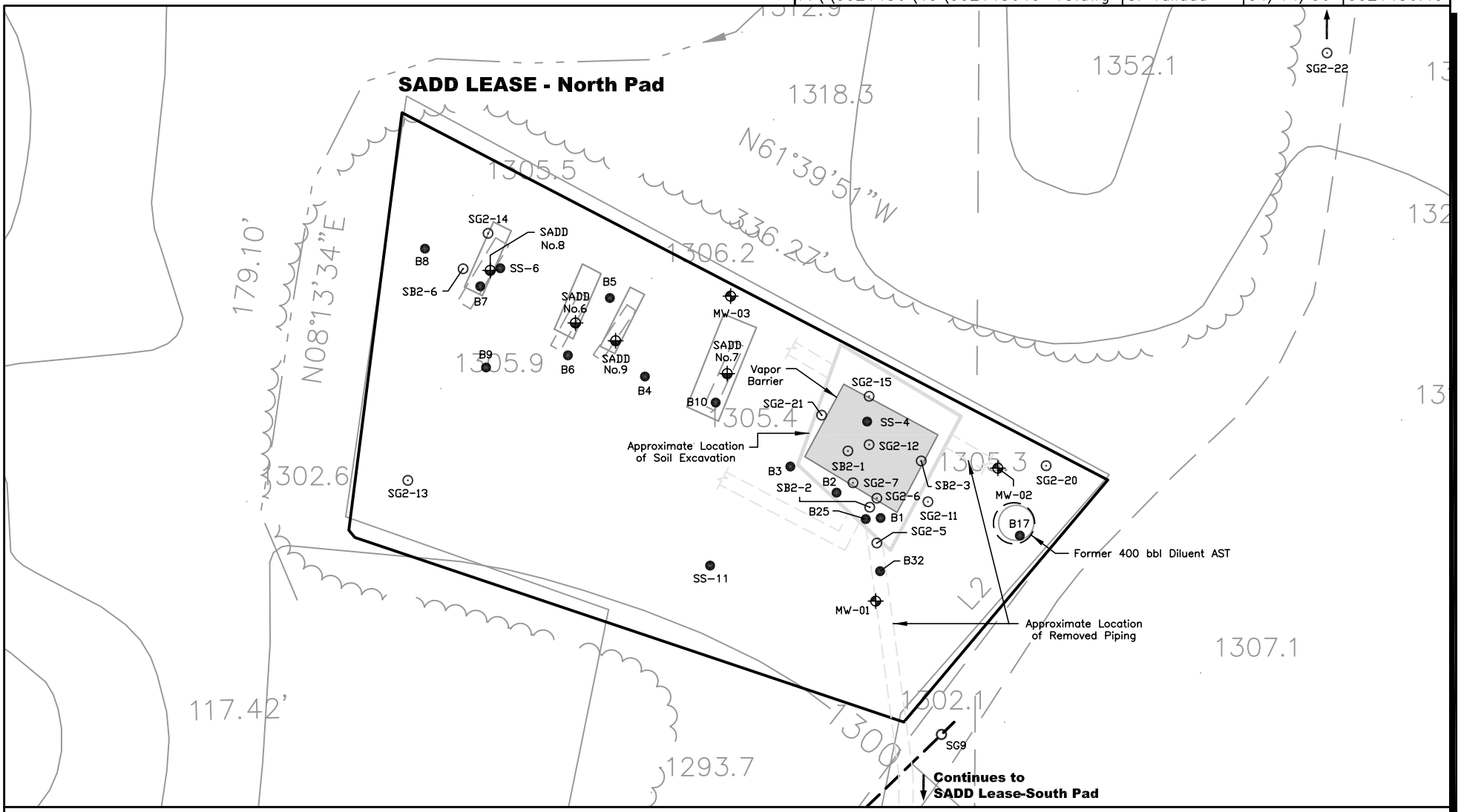

LEGEND

- Groundwater Monitoring Well
- Location of Soil Boring Installed by CE
- Location of Soil Boring Installed by ERM
- Location of Removed Piping
- Vapor Barrier
- Excavation Area

N

0 30' 60' 120'

(APPROXIMATE) SCALE IN FEET

Figure 16

Excavation Area

SADD Lease - North Pad

Los Valles Land & Golf, LLC

Los Angeles County, California

ERM *04/06*

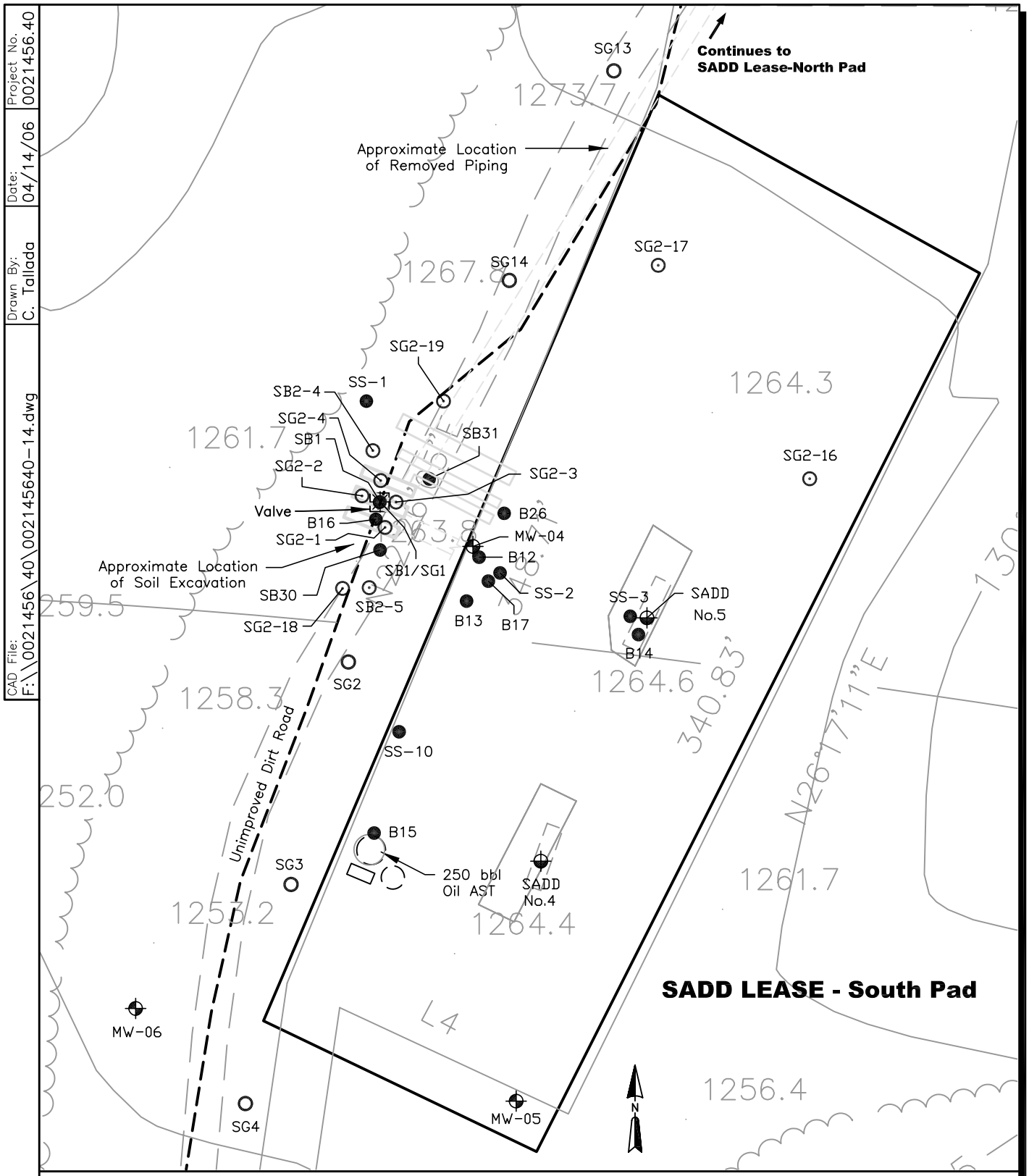

Figure 17
Excavation Area
SADD Lease - South Pad
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM *04/06*

Project No. 0021456.40
Date: 04/14/06
Drawn By: C. Tallada
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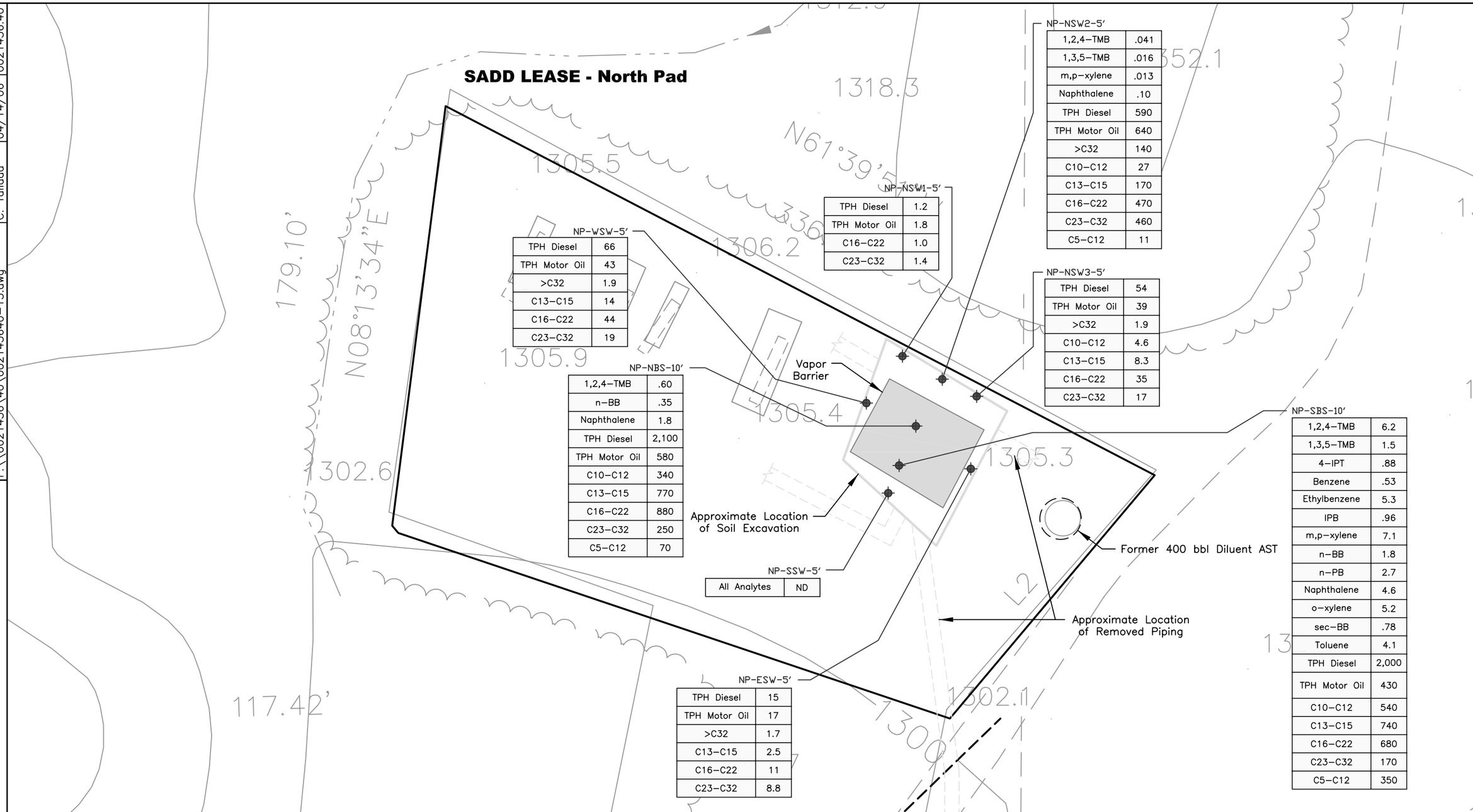

NP-NSW2-5'

1,2,4-TMB	.041
1,3,5-TMB	.016
m,p-xylene	.013
Naphthalene	.10
TPH Diesel	590
TPH Motor Oil	640
>C32	140
C10-C12	27
C13-C15	170
C16-C22	470
C23-C32	460
C5-C12	11

NP-NSW1-5'

TPH Diesel	1.2
TPH Motor Oil	1.8
C16-C22	1.0
C23-C32	1.4

NP-NSW3-5'

TPH Diesel	54
TPH Motor Oil	39
>C32	1.9
C10-C12	4.6
C13-C15	8.3
C16-C22	35
C23-C32	17

NP-WSW-5'

TPH Diesel	66
TPH Motor Oil	43
>C32	1.9
C13-C15	14
C16-C22	44
C23-C32	19

NP-NBS-10'

1,2,4-TMB	.60
n-BB	.35
Naphthalene	1.8
TPH Diesel	2,100
TPH Motor Oil	580
C10-C12	340
C13-C15	770
C16-C22	880
C23-C32	250
C5-C12	70

NP-SSW-5'

All Analytes	ND

NP-ESW-5'

TPH Diesel	15
TPH Motor Oil	17
>C32	1.7
C13-C15	2.5
C16-C22	11
C23-C32	8.8

NP-SBS-10'

1,2,4-TMB	6.2
1,3,5-TMB	1.5
4-IPT	.88
Benzene	.53
Ethylbenzene	5.3
IPB	.96
m,p-xylene	7.1
n-BB	1.8
n-PB	2.7
Naphthalene	4.6
o-xylene	5.2
sec-BB	.78
Toluene	4.1
TPH Diesel	2,000
TPH Motor Oil	430
C10-C12	540
C13-C15	740
C16-C22	680
C23-C32	170
C5-C12	350

LEGEND

- Excavation Soil Sampling Locations (ERM, June 2004)
- Location of Removed Piping
- Vapor Barrier
- Excavation Area

NOTE:
Results in milligrams per kilogram (mg/kg).

N

0 20' 40' 80'
(APPROXIMATE) SCALE IN FEET

Figure 18
Confirmation Soil Sampling Locations and Results - Organic
SADD Lease - North Pad
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06

Project No. 0021456.40
Date: 04/14/06
Drawn By: C. Tallada
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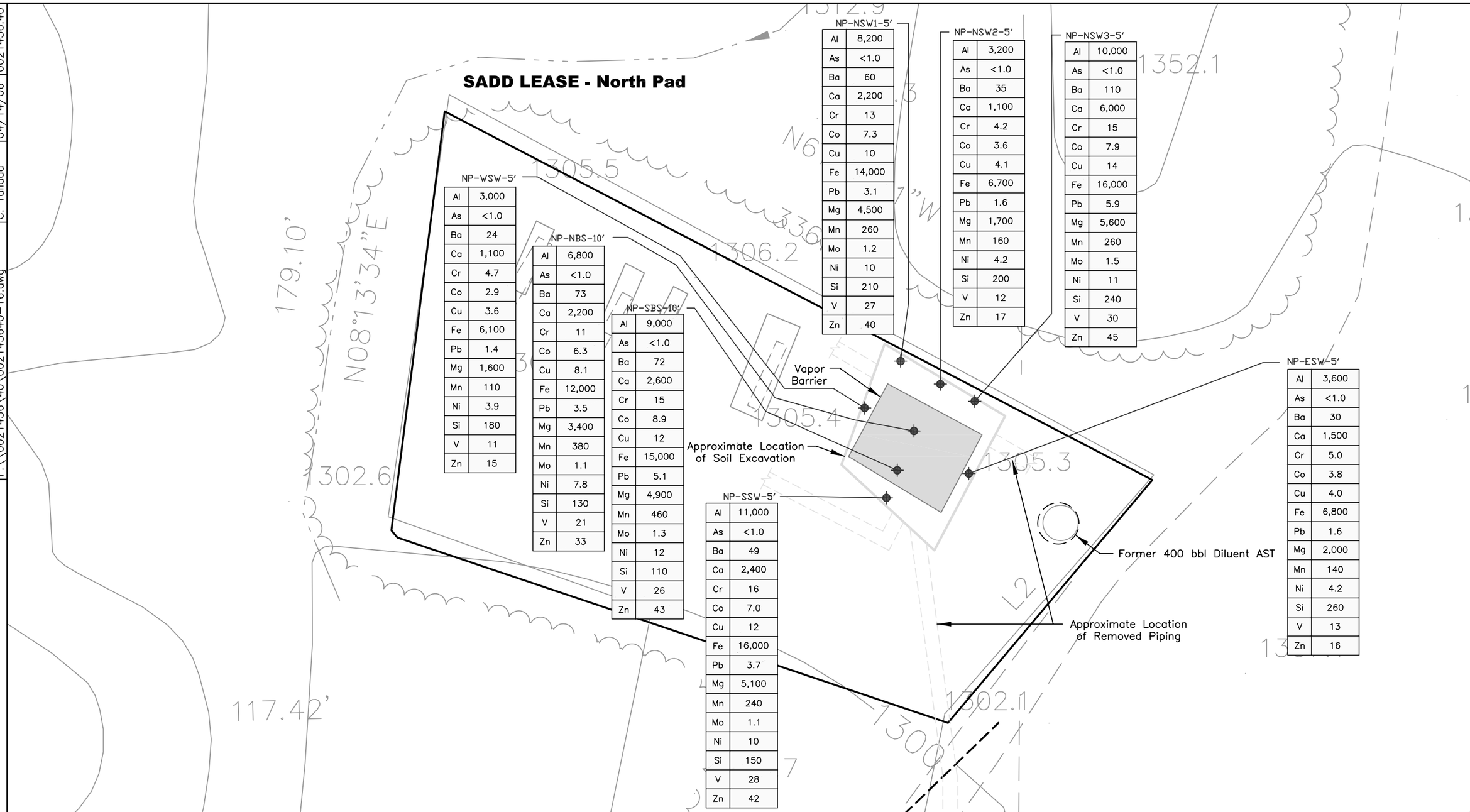

NP-NSW1-5'	
Al	8,200
As	<1.0
Ba	60
Ca	2,200
Cr	13
Co	7.3
Cu	10
Fe	14,000
Pb	3.1
Mg	4,500
Mn	260
Mo	1.2
Ni	10
Si	210
V	27
Zn	40

NP-NSW2-5'	
Al	3,200
As	<1.0
Ba	35
Ca	1,100
Cr	4.2
Co	3.6
Cu	4.1
Fe	6,700
Pb	1.6
Mg	1,700
Mn	160
Ni	4.2
Si	200
V	12
Zn	17

NP-NSW3-5'	
Al	10,000
As	<1.0
Ba	110
Ca	6,000
Cr	15
Co	7.9
Cu	14
Fe	16,000
Pb	5.9
Mg	5,600
Mn	260
Mo	1.5
Ni	11
Si	240
V	30
Zn	45

NP-WSW-5'	
Al	3,000
As	<1.0
Ba	24
Ca	1,100
Cr	4.7
Co	2.9
Cu	3.6
Fe	6,100
Pb	1.4
Mg	1,600
Mn	110
Ni	3.9
Si	180
V	11
Zn	15

NP-NBS-10'	
Al	6,800
As	<1.0
Ba	73
Ca	2,200
Cr	11
Co	6.3
Cu	8.1
Fe	12,000
Pb	3.5
Mg	3,400
Mn	380
Mo	1.1
Ni	7.8
Si	130
V	21
Zn	33

NP-SBS-10'	
Al	9,000
As	<1.0
Ba	72
Ca	2,600
Cr	15
Co	8.9
Cu	12
Fe	15,000
Pb	5.1
Mg	4,900
Mn	460
Mo	1.3
Ni	12
Si	110
V	26
Zn	43

NP-SSW-5'	
Al	11,000
As	<1.0
Ba	49
Ca	2,400
Cr	16
Co	7.0
Cu	12
Fe	16,000
Pb	3.7
Mg	5,100
Mn	240
Mo	1.1
Ni	10
Si	150
V	28
Zn	42

NP-ESW-5'	
Al	3,600
As	<1.0
Ba	30
Ca	1,500
Cr	5.0
Co	3.8
Cu	4.0
Fe	6,800
Pb	1.6
Mg	2,000
Mn	140
Ni	4.2
Si	260
V	13
Zn	16

LEGEND

- Excavation Soil Sampling Locations (ERM, June 2004)
- Location of Removed Piping
- Vapor Barrier
- Excavation Area

NOTE:
Results in milligrams per kilogram (mg/kg).

N

0 20' 40' 80'
(APPROXIMATE) SCALE IN FEET

Figure 19
Confirmation Soil Sampling Locations and Results - Inorganic
SADD Lease - North Pad
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06

CAD File:	Drawn By:	Date:	Project No.
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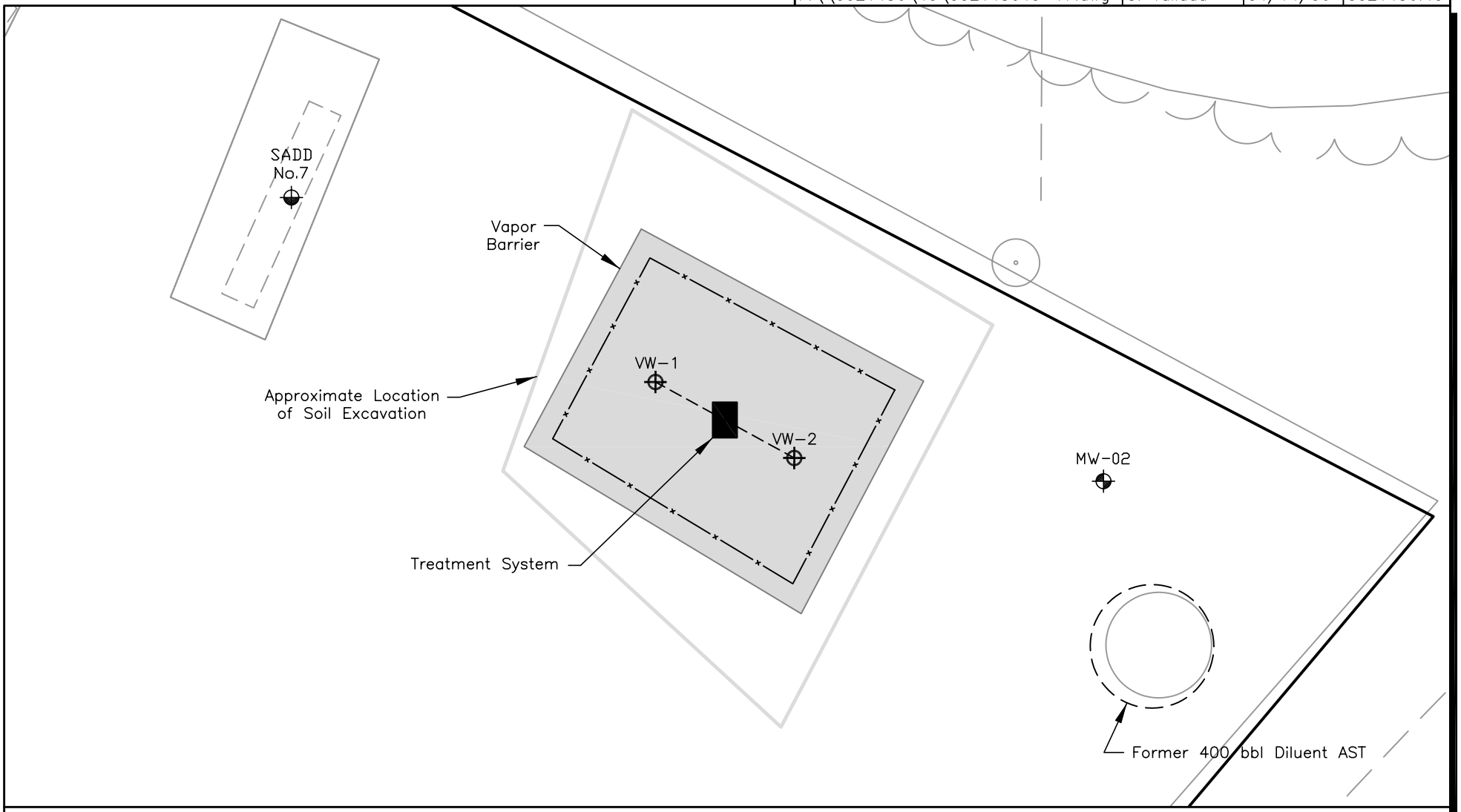


LEGEND

- Groundwater Monitoring Well
- Vapor Extraction Well
- Underground Conveyance Piping
- Treatment Area/System Location
- Vapor Barrier
- Excavation Area

N

0 10' 20' 40'

(APPROXIMATE) SCALE IN FEET

Figure 20

Soil Vapor Extraction Well Locations
SADD Lease - North Pad
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM *04/06*

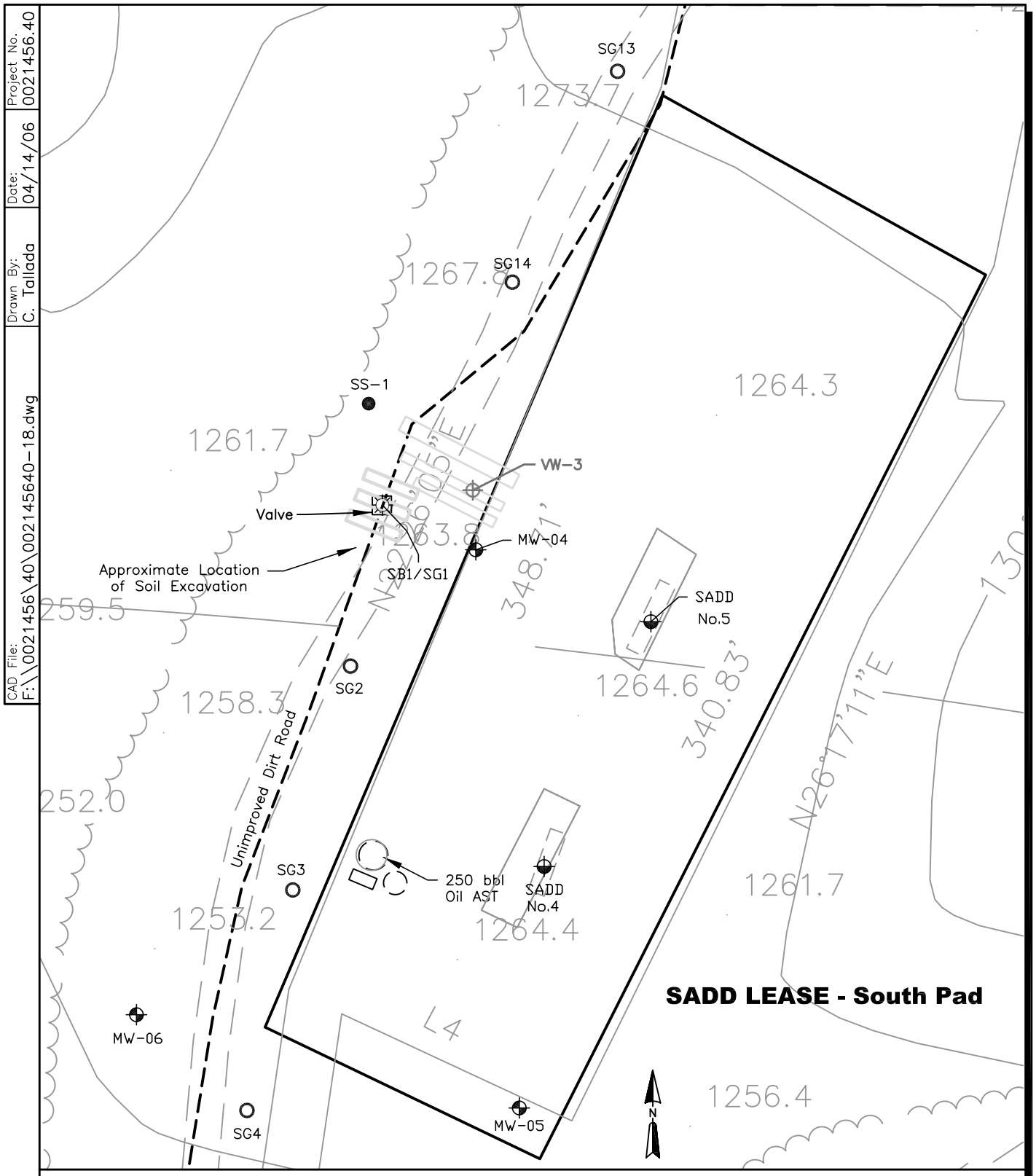
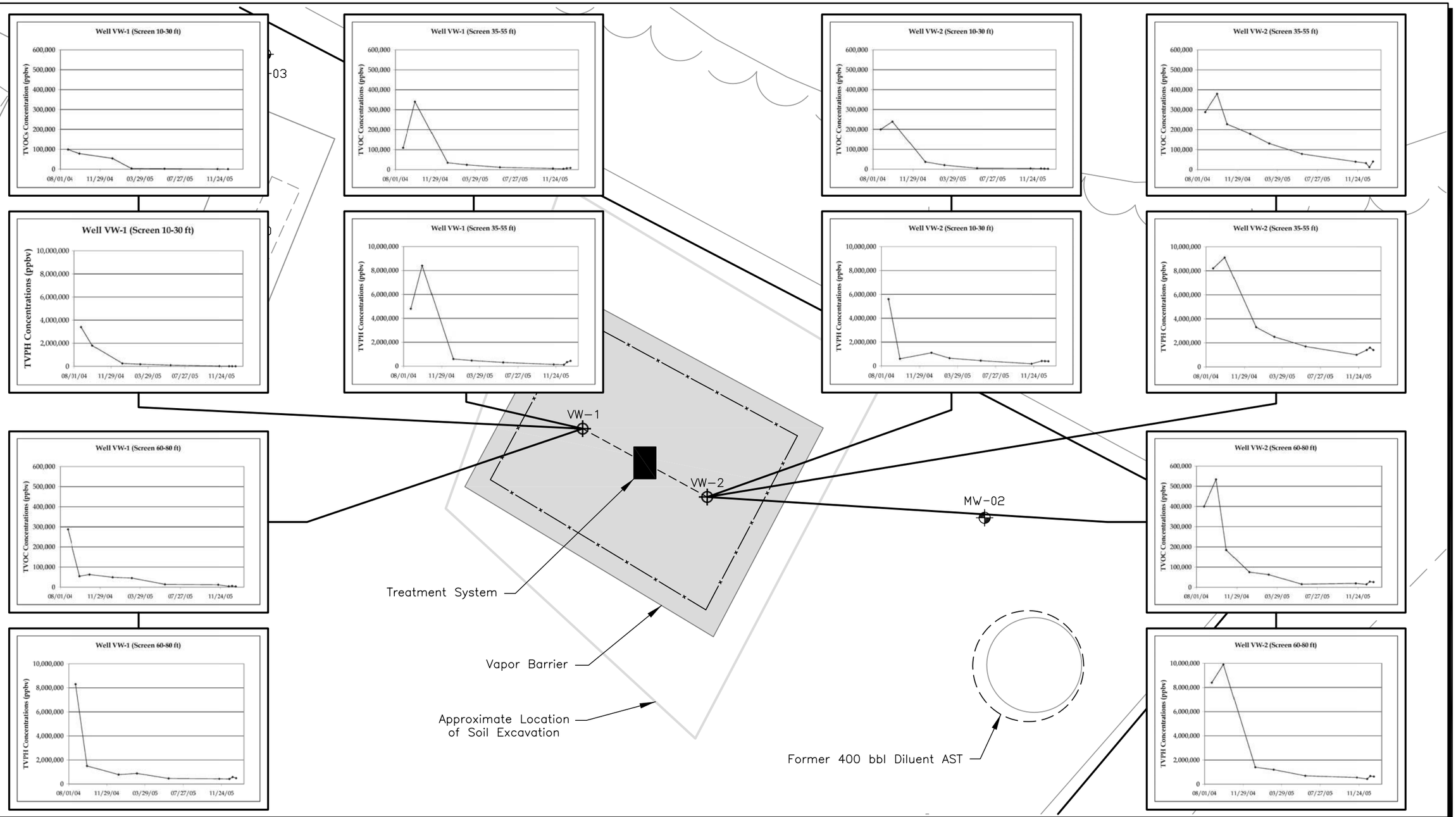


Figure 21

Soil Vapor Extraction Well Location
SADD Lease - South Pad
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06



LEGEND

- Groundwater Monitoring Well
- Vapor Extraction Well
- Underground Conveyance Piping
- Treatment Area/System Location
- Vapor Barrier
- Excavation Area

N

0 7.5' 15' 30'

(APPROXIMATE) SCALE IN FEET

Figure 22

Historical Vapor Extraction System TVOC and TVPH Concentrations
SADD Lease - North Pad
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 04/06

CAD File: F:_0021456\40\002145640-19.dwg

Drawn By: C. Tallada

Date: 04/14/06

Project No. 0021456.40

Tables

Table 1 ***Volatile Organic Compounds, Methane, and Fixed Gases in Soil Gas***
Los Valles Company, Inc.
Castaic, California

Sample ID	Depth (feet)	Sample Date	Hydrogen Sulfide (ppmv)	Methane (ppmv)	Oxygen (%)	Carbon Dioxide (%)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-xylenes (µg/L)	o-xylenes (µg/L)
SG2-1	5	12/15/2003	0.001	<100	17.9	0.8	<1	<1	<1	<2	<1
SG2-1	10	12/15/2003	0.002	<100	17.2	1.6	<1	<1	<1	<2	<1
SG2-1 (Duplicate)	10	12/15/2003	NA	NA	NA	NA	<1	<1	<1	<2	<1
SG2-1 (Purge)	20	12/15/2003	0.006	<100	15.1	3.9	<1	<1	<1	<2	<1
SG2-1 (Purge)	20	12/15/2003	NA	NA	NA	NA	<1	<1	<1	<2	<1
SG2-1 (Purge)	20	12/15/2003	NA	NA	NA	NA	<1	<1	<1	<2	<1
SG2-1 *	20	1/6/2004	NA	<10	15.1	3.9	NA	NA	NA	NA	NA
SG2-2	5	12/15/2003	0.002	<100	18.3	0.6	<1	<1	<1	<2	<1
SG2-3	5	12/15/2003	0.002	<100	17.3	1.0	<1	<1	<1	<2	<1
SG2-4	5	12/15/2003	0.001	<100	18.2	0.7	<1	<1	<1	<2	<1
SG2-5	5	12/15/2003	0.001	<100	11.8	4.5	<1	<1	<1	<2	<1
SG2-5	12	12/15/2003	0.001	<100	6.9	14.3	<1	<1	<1	<2	<1
SG2-6	5	12/15/2003	0.000	<100	8.7	5.7	**2.8**	1.5	<1	<2	<1
SG2-6	14	12/15/2003	0.002	**42,000**	3.6	13.4	**50**	42	**14**	**30**	18
SG2-6*	14	1/6/2004	NA	320	5.1	12.6	NA	NA	NA	NA	NA
SG2-7	5	12/15/2003	0.002	<100	15.5	2.0	<1	<1	<1	<2	<1
SG2-7	10	12/15/2003	0.005	<100	18.5	0.3	<1	<1	<1	<2	<1
SG2-8	5	12/16/2003	0.000	<100	13.6	5.1	<1	<1	<1	<2	<1
SG2-8	10	12/16/2003	0.000	<100	11.4	7.3	<1	<1	<1	<2	<1
SG2-8	20	12/16/2003	0.000	<100	9.4	9.7	<1	<1	<1	<2	<1
SG2-9	5	12/16/2003	0.000	<100	18.0	0.7	<1	<1	<1	<2	<1
SG2-9	10	12/16/2003	0.000	<100	17.6	1.1	<1	<1	<1	<2	<1
SG2-9	20	12/16/2003	0.000	<100	17.0	0.9	<1	<1	<1	<2	<1
SG2-9 (Duplicate)	20	12/16/2003	NA	NA	NA	NA	<1	<1	<1	<2	<1

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Table 1 *Volatile Organic Compounds, Methane, and Fixed Gases in Soil Gas*
Los Valles Company, Inc.
Castaic, California

Sample ID	Depth (feet)	Sample Date	Hydrogen Sulfide (ppmv)	Methane (ppmv)	Oxygen (%)	Carbon Dioxide (%)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-xylenes (µg/L)	o-xylenes (µg/L)
SG2-10	5	12/16/2003	0.000	<100	19.3	0.2	<1	<1	<1	<2	<1
SG2-10	10	12/16/2003	0.000	<100	18.7	0.3	NA	NA	NA	NA	NA
SG2-10	20	12/16/2003	0.000	<100	18.0	0.3	NA	NA	NA	NA	NA
SG2-11	5	12/16/2003	0.005	**3,000**	4.4	8.8	**3.8**	<1	<1	<2	<1
SG2-11	9	12/16/2003	0.002	**110,000**	1.3	14.0	**61**	32	**29**	**46**	14
SG2-12	5	12/16/2003	0.002	**11,000**	18.5	0.4	**43**	<1	<1	<2	<1
SG2-12	10	12/16/2003	0.002	**310,000**	7.4	7.5	**280**	**170**	**37**	**35**	16
SG2-12*	10	1/6/2004	NA	**4,200**	9.7	6.7	NA	NA	NA	NA	NA
SG2-13	5	12/16/2003	0.002	<100	15.8	2.3	<1	<1	<1	<2	<1
SG2-13	10	12/16/2003	0.003	<100	16.1	3.1	NA	NA	NA	NA	NA
SG2-13	20	12/16/2003	0.005	<100	14.1	5.3	NA	NA	NA	NA	NA
SG2-13*	20	1/6/2004	NA	<10	15.4	5.2	NA	NA	NA	NA	NA
SG2-14	5	12/16/2003	0.001	<100	16.5	2.0	NA	NA	NA	NA	NA
SG2-14	10	12/16/2003	0.002	<100	16.0	2.6	<1	<1	<1	<2	<1
SG2-14	20	12/16/2003	0.002	<100	14.7	3.8	NA	NA	NA	NA	NA
SG2-15	5	12/16/2003	0.009	<100	4.1	11.0	<1	<1	<1	<2	<1
SG2-15	10	12/16/2003	0.024	**64,000**	0.2	13.7	<1	<1	<1	<2	<1
SG2-15	17	12/16/2003	0.002	**10,000**	18.7	0.3	**74**	28	**13**	<2	<1
SG2-16	5	12/17/2003	0.000	<100	17.8	0.9	<1	<1	<1	<2	<1
SG2-16	10	12/17/2003	0.000	<100	18.9	0.3	NA	NA	NA	NA	NA
SG2-16	20	12/17/2003	0.000	<100	19.2	0.3	NA	NA	NA	NA	NA
SG2-17	5	12/17/2003	0.000	<100	19.1	0.2	<1	<1	<1	<2	<1
SG2-17	10	12/17/2003	0.000	<100	19.1	0.3	NA	NA	NA	NA	NA
SG2-17	20	12/17/2003	0.000	<100	18.8	0.6	NA	NA	NA	NA	NA
SG2-18	5	12/17/2003	0.002	<100	17.0	1.1	<1	<1	<1	<2	<1
SG2-18	10	12/17/2003	0.002	<100	16.3	2.1	<1	<1	<1	<2	<1
SG2-18	17	12/17/2003	0.003	<100	11.5	7.2	<1	<1	<1	<2	<1
SG2-18*	17	1/6/2004	NA	<10	15.0	6.6	NA	NA	NA	NA	NA

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Table 1 ***Volatile Organic Compounds, Methane, and Fixed Gases in Soil Gas***
Los Valles Company, Inc.
Castaic, California

Sample ID	Depth (feet)	Sample Date	Hydrogen Sulfide (ppmv)	Methane (ppmv)	Oxygen (%)	Carbon Dioxide (%)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-xylenes (µg/L)	o-xylenes (µg/L)
SG2-19	5	12/17/2003	0.002	<100	18.3	0.5	<1	<1	<1	<2	<1
SG2-19	10	12/17/2003	0.006	<100	17.8	1.4	<1	<1	<1	<2	<1
SG2-20	5	12/17/2003	0.003	<100	12.9	5.7	<1	<1	<1	<2	<1
SG2-20	10	12/17/2003	0.004	<100	16.2	2.6	<1	<1	<1	<2	<1
SG2-20	20	12/17/2003	0.002	<100	17.7	1.1	<1	<1	<1	<2	<1
SG2-21	5	12/17/2003	0.001	<100	16.3	2.2	<1	<1	<1	<2	<1
SG2-21	13	12/17/2003	0.002	<100	14.4	2.2	<1	<1	<1	<2	<1
SG2-21 (Duplicate)	13	12/17/2003	NA	NA	NA	NA	<1	<1	<1	<2	<1
SG2-22	5	12/17/2003	0.002	<100	14.4	2.2	<1	<1	<1	<2	<1
SFRWQCB Shallow Soil Gas Screening Levels							0.084	83	2.2	21	21
DTSC Methane Gas Screening Level				1,000							

Notes:
< = Not detected at or above listed reporting limit.
* = Results were recorded in the lab for lower detection limits.
Bold = Exceeds listed screening criteria.

Abbreviations:
µg/L = Micrograms per Liter
DTSC = Department of Toxic Substances Control
EPA = United States Environmental Protection Agency
NA = Not analyzed
ppmv = Parts per million in vapor
SFRWQCB = San Francisco Regional Water Quality Control Board

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Table 2 Volatile Organic Compounds and Total Petroleum Hydrocarbons in Soil
Los Valles Company, Inc.
Castaic, California

			EPA 8015B (mg/kg)		EPA 8260B (µg/kg)												
Sample ID	Depth (feet)	Sample Date	Diesel	Motor Oil	1,2,4-TMB	1,3,5-TMB	4-Isopropyl-toluene	Benzene	Ethyl-benzene	Isopropyl-benzene	m,p-xylenes	n-butyl-benzene	n-propyl-benzene	Naph-thalene	o-xylene	sec-Butyl-benzene	Toluene
SB2-1	5	12/17/2003	29	9.8	29	7.5	<5.0	22	20	<5.0	14	6.1	11	41	<5.0	<5.0	<5.0
SB2-1	10	12/17/2003	1,200	340	8.4	<5.0	<5.0	99	19	<5.0	30	<5.0	<5.0	10	27	<5.0	68
SB2-2	5	12/17/2003	1.1	2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-2	10	12/17/2003	8.4	3.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-3	5	12/17/2003	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-3	10	12/17/2003	1,500	410	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-4	45	1/8/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-4	50	1/8/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-5	45	1/8/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-5	50	1/8/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-6	10	1/21/2004	5.0	12.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-6	20	1/21/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-6	30	1/21/2004	<1.0	1.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-6	40	1/21/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-6	50	1/21/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-7	25	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-7	35	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-7	45	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-8	15	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-8	25	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-9	20	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-9	30	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-9	40	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SS-1	Surface	12/18/2003	2.1	4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-2	Surface	12/18/2003	84	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-3	Surface	12/18/2003	35	71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-4	Surface	12/18/2003	120	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-5	Surface	12/18/2003	850	1,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2 Volatile Organic Compounds and Total Petroleum Hydrocarbons in Soil
Los Valles Company, Inc.
Castaic, California

			EPA 8015B (mg/kg)		EPA 8260B (µg/kg)												
Sample ID	Depth (feet)	Sample Date	Diesel	Motor Oil	1,2,4-TMB	1,3,5-TMB	4-Isopropyl-toluene	Benzene	Ethyl-benzene	Isopropyl-benzene	m,p-xylenes	n-butyl-benzene	n-propyl-benzene	Naph-thalene	o-xylene	sec-Butyl-benzene	Toluene
SS-6	Surface	12/18/2003	57	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	30	12/22/2003	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-1	55	12/22/2003	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-1	76	12/22/2003	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-2	20	1/6/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-2	40	1/6/2004	<1.0	1.4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-2	45	1/6/2004	1.8	<1.0	32,000	9,000	3,000	**1,400**	**26,000**	5,600	33,000	9,100	16,000	14,000	4,400	4,100	<500
MW-3	20	1/7/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-3	65	1/7/2004	1	1.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-3	80	1/7/2004	1.2	2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-4	30	1/8/2004	2.6	2.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-4	50	1/8/2004	3,200	1,600	2,000	230	190	<5.0	130	130	200	250	160	450	<5.0	180	<5.0
MW-5	35	1/21/2004	10	18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-5	60	1/21/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-6	10	1/21/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-6	50	1/21/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TR-01	14	1/21/2004	3,400	960	37,000	**26,000**	6,800	<500	<500	<500	26,000	<500	<500	25,000	5,800	<500	<500
TR-02	5	1/22/2004	<1.0	1.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TR-03	10.5	1/22/2004	<1.0	1.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PRG Residential			None	None	52,000	21,000	None	600	8,900	None	270,000	240,000	240,000	None	270,000	220,000	520,000

Notes:
< = Not detected at or above listed reporting limit.
Bold = Exceeds listed PRG.

Abbreviations:
µg/kg = Micrograms per kilogram
EPA = United States Environmental Protection Agency
mg/kg = Milligrams per kilogram
NA = Not analyzed
PRG = Preliminary Remediation Goal
TMB = Trimethylbenzene

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Table 3 Metals in Soil
Los Valles Company, Inc.
Castaic, California

			EPA 7471 (mg/kg)	EPA 6010B (mg/kg)								
Sample ID	Depth (feet)	Sample Date	Mercury	Arsenic	Barium	Chromium	Cobalt	Copper	Lead	Nickel	Vanadium	Zinc
SS-1	0.5	12/18/2003	<0.1	1.6	46	8.0	4.5	7.5	3.5	6.5	18	29
SS-2	0.5	12/18/2003	<0.1	1.3	40	7.0	4.0	7.5	3.5	5.5	16	27
SS-3	0.5	12/18/2003	<0.1	1.2	24	5.5	3.0	5.0	2.0	3.5	14	16
SS-4	0.5	12/18/2003	<0.1	1.6	44	7.5	4.0	7.5	3.0	5.5	18	22
SS-5	0.5	12/18/2003	<0.1	1.8	130	9.5	5.5	13	3.5	12	18	36
SS-6	0.5	12/18/2003	<0.1	1.5	34	6.0	4.0	5.5	2.0	5.0	16	20
SS-7	0.5	12/18/2003	<0.1	1.3	32	6.5	4.0	6.0	5.5	5.0	16	22
SS-8	0.5	12/18/2003	<0.1	1.5	43	8.0	4.5	7.0	5.5	5.5	18	27
SS-9	0.5	12/18/2003	<0.1	1.8	49	9.5	4.5	16	5.5	7.0	20	32
SS-10	0.5	12/18/2003	<0.1	1.8	72	9.0	5.0	12	6.5	20	68	34
SS-11	0.5	12/18/2003	<0.1	2.2	59	9.0	5.0	10	4.0	22	70	30
PRG Residential			23	22	5,400	210	900	3,100	150	1,600	550	23,000

Notes:
< = Not detected at or above listed reporting limit.

Abbreviations:
EPA = United States Environmental Protection Agency
mg/kg = Milligrams per kilogram
NA = Not analyzed

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Table 4 ***Volatile Organic Compounds and Total Petroleum Hydrocarbons in Groundwater***
Los Valles Company, Inc.
Castaic, California

		EPA 3510C (mg/L)		EPA 8260B (µg/L)											
Sample ID	Sample Date	Diesel	Motor Oil	1,2,4-TMB	1,3,5-TMB	4-Isopropyl-toluene	Ethyl-benzene	m,p-xylenes	n-propyl-benzene	Naph-thalene	sec-Butyl-benzene	Bromo-dichloro-methane	Bromoform	Chloroform	Dibromo-chloro-methane
MW-1	12/29/2003	0.061	0.077	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	5.9	1
MW-1	12/31/2003	0.11	0.21	NA	NA	<0.5	NA	NA	NA	NA	<0.5	NA	NA	NA	NA
MW-1	1/14/2004	<0.05	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-2	1/14/2004	<0.05	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-2 (dup)	1/14/2004	<0.05	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3	1/14/2004	<0.05	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	1/14/2003	0.46	0.17	1.3	0.52	0.68	0.84	0.62	0.71	5.3	0.81	<0.5	<0.5	<0.5	<0.5
MW-5	1/26/2004	<0.05	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	1/26/2004	0.11	0.099	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA/QC															
Equipment Blank	12/29/2003	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6.1	4.2	2.6	9.2
MW-1 FB	1/14/2004	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5FD	1/26/2004	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trip Blank	12/29/2003	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trip Blank	1/14/2004	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trip Blank	1/26/2004	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MCL		None	None	None	None	None	None	None	None	None	None	80	80	80	80

Notes:
< = Not detected at or above listed reporting limit.

Abbreviations:
µg/L = Micrograms per Liter
EPA = United States Environmental Protection Agency
FB = Field blank
FD = Field Duplicate
MCL = Maximum Contaminant Level
mg/L = Milligrams per Liter
NA = Not analyzed
QA/QC = Quality Assurance/Quality Control
TMB = Trimethylbenzene

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Table 5 Metals in Groundwater
Los Valles Company, Inc.
Castaic, California

		EPA 7470 (µg/L)	EPA 3010A (mg/L)									
Sample ID	Sample Date	Mercury	Arsenic	Barium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Vanadium	Zinc
MW-1	12/29/2003	<0.2	<0.005	0.01	0.0032	<0.003	0.0062	<0.005	0.01	<0.003	0.005	0.01
MCL		None	0.01	1	0.05	None	1	0.015	None	0.1	None	5

Notes:
< = Not detected at or above listed reporting limit.

Abbreviations:
µg/L = Micrograms per Liter
EPA = United States Environmental Protection Agency
mg/L = Milligrams per Liter

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Table 6 Volatile Organics Detected in Soil
Los Valles Company, Inc.
Castaic, California

			EPA Method 8260B																													
Sample ID	Depth (feet)	Sample Date	1,1,1,2-PCA	1,1,1-TCA	1,1,2,2-PCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,1-DCP	1,2,3-TCB	1,2,3-TCP	1,2,4-TCB	1,2,4-TMB	1,2-D3C	1,2-DBM	1,2-DCB	1,2-DCA	1,2-DCPA	1,3,5-TMB	1,3-DCB	1,3-DCPA	1,4-DCB	2,2-DCPA	2-Chloro-toluene	4-Chloro-toluene	4-IPT	Benzene	Bromo-benzene	Bromo-dicloro-methane	Bromo-form	Bromo-methane	Carbon Tet.
NP-SSW	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-WSW	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-NSW1	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-NSW2	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	41	<0.1	<0.05	<0.05	<0.05	<0.05	16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-NSW3	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-ESW	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-SBS	10	6/8/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	6,200	<500	<2.5	<2.5	<2.5	<2.5	1,500	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	880	530	<2.5	<2.5	<2.5	<2.5	<2.5
NP-NBS	10	6/8/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	600	<500	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
NP-SP1-DS1		6/9/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<500	<2.5	<2.5	<2.5	<2.5	7.2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
NP-SP1-DS2		6/9/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2,100	<500	<2.5	<2.5	<2.5	<2.5	670	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
NP-SP2-DS3		6/9/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	4,300	<500	<2.5	<2.5	<2.5	<2.5	1,000	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	740	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
PRG for Residential Soil			3.2_{ca}	$1,200_{nc}$	$.410_{ca}$	$.730_{ca}$	510_{nc}	120_{nc}	NL	NL	$.005_{ca}$	650_{nc}	5.2_{nc}	$.019_{ca}$*	NL	370_{nc}	$.28_{ca}$	$.34_{ca}$	21_{nc}	16_{nc}	NL	3.4_{ca}	NL	NL	NL	NL	$.6_{ca}$	28_{nc}	$.82_{ca}$	62_{ca}	3.9_{nc}	$.25_{nc}$

Notes:

Results in milligrams per kilogram.

< = Not detected at or above the listed detection limit.

* = CAL-Modified PRG

ca = Cancer PRG

nc = Noncancer PRG

sat = Saturated Soil

Abbreviations:

BB = Butylbenzene
D3C = 1,2-Dibromo-3-chloropropane
DCA = Dichloroethane
DCB = Dichlorobenzene
DCE = Dichloroethene
DCP = Dichloropropene
DCPA = Dicloropropane
EPA = United States Environmental Protection Agency
IPB = Isopropylbenzene
IPT = Isopropyltoluene
MC = Methylene chloride
NL = Not Listed
PB = Propylbenzene
PCA = Tetrachloroethane
PCE = Tetrachloroethene
PRG = Peliminary Remedial Goals
TCA = Trichloroethane
TCB = Trichlorobenzene
TCE = Trichloroethene
TCFM - Trichlorofluoromethane
TCP = Trichloropropane
Tet. = Tetrachloride
TMB = Trimethylbenzene
VC = Vinyl chloride

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Table 6 Volatile Organics Detected in Soil
Los Valles Company, Inc.
Castaic, California

			EPA Method 8260B																										
Sample ID	Depth (feet)	Sample Date	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-DCE	cis-1,3-DCP	Dibromo-chloro-methane	Dibromo-methane	Dichloro-difluoro-methane	Ethyl-benzene	Hexa-chloro-butadiene	IPB	m,p-xylene	MC	n-BB	n-PB	Naph-thalene	o-xylene	sec-BB	Styrene	tert-BB	PCE	Toluene	trans-1,2-DCE	TCE	TCFM	VC
NP-SSW	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-WSW	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-NSW1	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-NSW2	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	13	<0.05	<0.05	<0.05	100	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-NSW3	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-ESW	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-SBS	10	6/8/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	5,300	<2.5	960	7,100	<2.5	1,800	2,700	4,600	5,200	780	<2.5	<2.5	<2.5	4,100	<2.5	<2.5	<2.5	<2.5
NP-NBS	10	6/8/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	350	<2.5	1,800	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
NP-SP1-DS1		6/9/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
NP-SP1-DS2		6/9/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	450	<2.5	<2.5	740	<2.5	540	420	1,300	370	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
NP-SP2-DS3		6/9/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	1,300	<2.5	420	1,900	<2.5	1,500	1,300	4,700	1,100	540	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
PRG for Residential Soil			15_{nc}	3_{ca}	$3.6_{ca/cn}$	1.2_{ca}	43_{nc}	NL	1.1_{ca}	NL	94_{nc}	8.9_{ca}	6.2_{ca}	NL	270_{nc}	9.1_{ca}	240_{sat}	240_{sat}	NL	270_{nc}	220_{sat}	$1,700_{sat}$	390_{sat}	1.5_{ca}	520_{sat}	69_{nc}	$.053_{ca}$	390_{nc}	$.079_{ca}$

Notes:

Results in milligrams per kilogram.

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* = CAL-Modified PRG

ca = Cancer PRG

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sat = Saturated Soil

Abbreviations:

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DCE = Dichloroethene
DCP = Dichloropropene
DCPA = Dicloropropane
EPA = United States Environmental Protection Agency
IPB = Isopropylbenzene
IPT = Isopropyltoluene
MC = Methylene chloride
PB = Propylbenzene
PCA = Tetrachloroethane
PCE = Tetrachloroethene
PRG = Peliminary Remedial Goals
TCA = Trichloroethane
TCB = Trichlorobenzene
TCE = Trichloroethene
TCFM - Trichlorofluoromethane
TCP = Trichloropropane
Tet. = Tetrachloride
TMB = Trimethylbenzene
VC = Vinyl chloride

Table 7 ***Petroleum Hydrocarbons Detected in Soil***
Los Valles Company, Inc.
Castaic, California

			EPA 8015B							
			TPH							
Sample ID	Depth (feet)	Sample Date	Diesel	Motor Oil	C10-C12	C13-C15	C16-C22	C23-C32	C5-C12	>C32
NP-SSW	5	6/8/2004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
NP-WSW	5	6/8/2004	66	43	<1.0	14	44	19	<1.0	1.9
NP-NSW1	5	6/8/2004	1.2	1.8	<1.0	<1.0	1.0	1.4	<1.0	<1.0
NP-NSW2	5	6/8/2004	590	640	27	170	470	460	11	140
NP-NSW3	5	6/8/2004	54	39	4.6	8.3	35	17	<1.0	1.9
NP-ESW	5	6/8/2004	15	17	<1.0	2.5	11	8.8	<1.0	1.7
NP-SBS	10	6/8/2004	2,000	430	540	740	680	170	350	<20
NP-NBS	10	6/8/2004	2,100	580	340	770	880	250	70	<20
CRWQCB Soil Screening Levels			1,000	10,000	500	1,000	1,000	10,000	500	10,000

Notes:

Results in milligrams per kilogram.

< = Not detected at or above the listed detection limit.

CRWQCB soil screening level for TPH in soil at a distance of 20-150 feet above groundwater.

Abbreviations:

CRWQCB = California Regional Water Quality Control Board

EPA = United States Environmental Protection Agency

TPH = Total petroleum hydrocarbon

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Table 8 Polyaromatic Hydrocarbons Detected in Soil
Los Valles Company, Inc.
Castaic, California

			EPA 8270C															
Sample ID	Depth (feet)	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)-anthracene	Benzo(a)-pyrene	Benzo(b)-fluoranthene	Benzo(g,h,I)-perylene	Benzo(k)-fluoranthene	Chrysene	Dibenz(a,h)-anthracene	Fluor-anthene	Fluorene	Indeon(1,2,3-cd)-pyrene	Naphthalene	Phen-anthrene	Pyrene
NP-SSW	5	6/8/2004	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
NP-WSW	5	6/8/2004	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
NP-NSW1	5	6/8/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NP-NSW2	5	6/8/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NP-NSW3	5	6/8/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NP-ESW	5	6/8/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NP-SBS	10	6/8/2004	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	4,700	<1,000	<1,000
NP-NBS	10	6/8/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PRG for Residential Soil			$3{,}700{,}000_{nc}$	NL	$22{,}000{,}000_{nc}$	620_{ca}	62_{ca}	620_{ca}	NL	$6{,}200_{ca}$	$62{,}000_{ca}$	62_{ca}	$2{,}300{,}000_{nc}$	$2{,}700{,}000_{nc}$	620_{ca}	$5{,}600_{nc}$	NL	$2{,}300{,}000_{nc}$

Notes:

Results in micrograms per kilogram.

< = Not detected at or above the listed detection limit.

ca = Cancer PRG

nc = Noncancer PRG

Abbreviations:

NA = Not analyzed

NL = Not Listed

EPA = United States Environmental Protection Agency

PRG = Preliminary Remedial Goals

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Table 9 Polychlorinated Biphenyls Detected in Soil
Los Valles Company, Inc.
Castaic, California

			Polychlorinated Biphenyls (EPA 8082)								
Sample ID	Depth (feet)	Sample Date	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268
NP-SSW	5	6/8/2004	<16	<33	<16	<16	<16	<16	<16	<16	<16
NP-WSW	5	6/8/2004	<16	<33	<16	<16	<16	<16	<16	<16	<16
NP-SBS	10	6/8/2004	<16	<33	<16	<16	<16	<16	<16	<16	<16
PRG for Residential Soil			$3{,}900_{nc}$	220_{ca}	220_{ca}	220_{ca}	220_{ca}	220_{ca}	220_{ca}	NL	NL

Notes:

Results in micrograms per kilogram.

< = Not detected at or above the listed detection limit.

ca = Cancer PRG

nc = Noncancer PRG

Abbreviations:

EPA = United States Environmental Protection Agency

NA = Not analyzed

NL = Not Listed

PRG = Preliminary Remedial Goals

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Table 10 Metals Detected in Soil
Los Valles Company, Inc.
Castaic, California

			EPA Method 6010B																						
Sample ID	Depth (feet)	Sample Date	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	Se	Si	Ag	Tl	V	Zn
NP-SSW	5	6/8/2004	11,000	<2.0	<1.0	49	<1.0	<10	<1.0	2,400	16	7.0	12	16,000	3.7	5,100	240	1.1	10	<1.0	150	<1.0	<1.0	28	42
NP-WSW	5	6/8/2004	3,000	<2.0	<1.0	24	<1.0	<10	<1.0	1,100	4.7	2.9	3.6	6,100	1.4	1,600	110	<1.0	3.9	<1.0	180	<1.0	<1.0	11	15
NP-NSW1	5	6/8/2004	8,200	<2.0	<1.0	60	<1.0	<10	<1.0	2,200	13	7.3	10	14,000	3.1	4,500	260	1.2	10	<1.0	210	<1.0	<1.0	27	40
NP-NSW2	5	6/8/2004	3,200	<2.0	<1.0	35	<1.0	<10	<1.0	1,100	4.2	3.6	4.1	6,700	1.6	1,700	160	<1.0	4.2	<1.0	200	<1.0	<1.0	12	17
NP-NSW3	5	6/8/2004	10,000	<2.0	<1.0	110	<1.0	<10	<1.0	6,000	15	7.9	14	16,000	5.9	5,600	260	1.5	11	<1.0	240	<1.0	<1.0	30	45
NP-ESW	5	6/8/2004	3,600	<2.0	<1.0	30	<1.0	<10	<1.0	1,500	5.0	3.8	4.0	6,800	1.6	2,000	140	<1.0	4.2	<1.0	260	<1.0	<1.0	13	16
NP-SBS	10	6/8/2004	9,000	<2.0	<1.0	72	<1.0	<1.0	<1.0	2,600	15	8.9	12	15,000	5.1	4,900	460	1.3	12	<1.0	110	<1.0	<1.0	26	43
NP-NBS	10	6/8/2004	6,800	<2.0	<1.0	73	<1.0	<1.0	<1.0	2,200	11	6.3	8.1	12,000	3.5	3,400	380	1.1	7.8	<1.0	130	<1.0	<1.0	21	33
PRG for Residential Soil			$76{,}000_{nc}$	31_{nc}	22_{nc}, 0.39_{ca}	$5{,}400_{nc}$	150_{nc}	$16{,}000_{nc}$	37_{nc}	NL	210_{ca}	900_{ca}	$3{,}100_{nc}$	$23{,}000_{nc}$	150*	NL	$1{,}800_{nc}$	390_{nc}	$1{,}600_{nc}$	390_{nc}	NL	390_{nc}	5.2_{nc}	550_{nc}	$23{,}000_{nc}$

Notes:

Results in milligrams per kilogram.

< = Not detected at or above the listed detection limit.

* = CAL-Modified PRG

ca = Cancer PRG

nc = Noncancer PRG

Abbreviations:

Ag = Silver
Al = Aluminum
As = Arsenic
B = Boron
Ba = Barium
Be = Beryllium
Ca = Calcium
ca = Cancer PRG
Cd = Cadmium
Co = Cobalt
Cr = Chromium
Cu = Copper
EPA = United States Environmental Protection Agency
Fe = Iron
Mg = Magnesium
Mn = Manganese
Mo = Molybdenum
nc = Noncancer PRG
Ni = Nickel
NL = Not Listed
Pb = Lead
PRG = Preliminary Remedial Goals
Sb = Antimony
Se = Selenium
Si - Silicon
Tl = Thallium
V = Vanadium
Zn = Zinc

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Table 11 Volatile Organic Compounds Detected in Groundwater
Los Valles Company, Inc.
Castaic, California

USEPA 8260B µg/L

Sample ID	Sample Date	1,1,1,2-PCA	1,1,1-TCA	1,1,2,2-PCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,1-DCP	1,2,3-TCB	1,2,3-TCP	1,2,4-TCB	1,2,4-TMB	1,2-D3C	1,2-DBM	1,2-DCB	1,2-DCA	1,2-DCPA	1,3,5-TMB	1,3-DCB	1,3-DCPA	1,4-DCB	2,2-DCPA	2-Chloro-toluene	4-Chloro-toluene	4-IPT	Benzene	Bromo-benzene	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Carbon Tet.	Chloro-benzene
MW-1	12/29/2003	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	1.2 U	<0.5	<0.50	<0.50	<0.50
	12/31/2003	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	NA	NA	<0.50	<0.50	<0.50
	1/14/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-2	1/14/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
(dup)	1/14/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-3	1/14/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-4	1/14/2003	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/25/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/17/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-5	1/26/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-6	1/26/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/25/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/17/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-7	2/9/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/25/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-8	2/9/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
QA/QC																																
EB	12/29/2003	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	6.1	4.2	<0.50	<0.50	<0.50
MW-8EB	2/9/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
MW-1 FB	1/14/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
MW-5FD	1/26/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
MW-7FD	2/9/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
Trip Blank	12/29/2003	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
Trip Blank	1/14/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
Trip Blank	1/26/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
Trip Blank	2/9/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50

Notes:
< = Not detected at or above listed reporting limit.
NJ = Estimated Value - chromatogram did not resemble the standard hydrocarbon pattern
U - Nondetected

Abbreviations:
µg/L = Micrograms per liter
BB = Butylbenzene
D3C = 1,2-Dibromo-3-chloropropane
DBM = Dibromethane
DCA = Dichloroethane
DCB = Dichlorobenzene
DCE = Dichloroethene
DCP = Dichloropropene
DCPA = Dicloropropane
dup = Duplicate
EB = Equipment blank
FB = Field blank
FD = Field duplicate
IPB = Isopropylbenzene
IPT = Isopropyltoluene
MC = Methylene chloride
NA = Not analyzed
PB = Propylbenzene
PCA = Tetrachloroethane
PCE = Tetrachloroethene
QA/QC = Quality Assurance/Quality Control
TCA = Trichloroethane
TCB = Trichlorobenzene
TCE = Trichloroethene
TCFM - Trichlorofluoromethane
TCP = Trichloropropane
Tet. = Tetrachloride
TMB = Trimethylbenzene
USEPA = United States Environmental Protection Agency
VC = Vinyl chloride

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Table 11 Volatile Organic Compounds Detected in Groundwater
Los Valles Company, Inc.
Santa Clarita, California

		USEPA 8260B µg/L																											USEPA 8015M (µg/L)	
Sample ID	Sample Date	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-DCE	cis-1,3-DCP	Dibromo-chloro-methane	Dibormo-methane	Dichloro-difluoro-methane	Ethyl-benzene	Hexa-chloro-butadiene	IPB	m,p-xylenes	MC	n-BB	n-PB	Naph-thalene	o-xylene	sec-BB	Styrene	tert-BB	PCE	Toluene	trans-1,2-DCE	TCE	TCFM	VC	Diesel	Motor Oil
MW-1	12/29/2003	<0.50	5.9 U	<0.50	<0.50	<0.50	1 U	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	61	77
	12/31/2003	<0.50	NA	<0.50	<0.50	<0.50	NA	<0.50	<0.50	NA	<0.50	<0.50	NA	<0.50	<0.50	NA	NA	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	110	210
	1/14/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
MW-2	1/14/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
(dup)	1/14/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
MW-3	1/14/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
MW-4	1/14/2003	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	0.84	<0.50	<0.50	0.62	<0.50	<0.50	0.71	5.3	<0.50	0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	460 NJ	170 NJ
	6/25/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.73	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/17/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	66	NA
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	150	NA
MW-5	1/26/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
MW-6	1/26/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	110	99
	6/25/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/17/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
MW-7	2/9/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
	6/25/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
MW-8	2/9/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
QA/QC																													
EB	12/29/2003	<0.50	2.6	<0.50	<0.50	<0.50	9.2	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-8EB	2/9/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-1 FB	1/14/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-5FD	1/26/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-7FD	2/9/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
Trip Blank	12/29/2003	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
Trip Blank	1/14/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
Trip Blank	1/26/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
Trip Blank	2/9/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA

Notes:
< = Not detected at or above listed reporting limit.
NJ = Estimated Value - chromatogram did not resemble the standard hydrocarbon pattern
U - Nondetected

Abbreviations:
µg/L = Micrograms per liter
BB = Butylbenzene
D3C = 1,2-Dibromo-3-chloropropane
DBM = Dibromethane
DCA = Dichloroethane
DCB = Dichlorobenzene
DCE = Dichloroethene
DCP = Dichloropropene
DCPA = Dicloropropane
dup = Duplicate
EB = Equipment blank
FB = Field blank
FD = Field duplicate
IPB = Isopropylbenzene
IPT = Isopropyltoluene
MC = Methylene chloride
NA = Not analyzed
PB = Propylbenzene
PCA = Tetrachloroethane
PCE = Tetrachloroethene
QA/QC = Quality Assurance/Quality Control
TCA = Trichloroethane
TCB = Trichlorobenzene
TCE = Trichloroethene
TCFM - Trichlorofluoromethane
TCP = Trichloropropane
Tet. = Tetrachloride
TMB = Trimethylbenzene
USEPA = United States Environmental Protection Agency
VC = Vinyl chloride

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Table 12 Well Construction Details and Groundwater Elevation Data
Los Valles Company, Inc.
Castaic, California

Well Identification	Total Depth (ft bgs)	Screen Interval (ft bgs)	Top-of-casing Elevation (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
MW-1	122	89 - 119	1307.09	12/26/2003	88.04	1219.05
				1/14/2004	93.77	1213.32
				1/29/2004	93.33	1213.76
				2/9/2004	93.23	1213.86
				6/24/2004	92.56	1214.53
				9/16/2004	92.56	1214.53
				12/7/2004	92.58	1214.51
				5/24/2005	87.33	1219.76
MW-2	110	80 - 110	1307	1/12/2003	85.76	1221.24
				1/14/2004	86.36	1220.64
				1/29/2004	85.70	1221.30
				2/9/2004	85.63	1221.37
				6/17/2004	85.36	1221.64
				9/16/2004	85.74	1221.26
				12/7/2004	85.68	1221.32
				5/24/2005	79.18	1227.82
MW-3	110	80 - 110	1306.9	1/12/2004	76.26	1230.64
				1/14/2004	76.86	1230.04
				1/29/2004	76.26	1230.64
				2/9/2004	76.20	1230.70
				6/24/2004	76.39	1230.51
				9/16/2004	76.54	1230.36
				12/7/2004	76.77	1230.13
				5/24/2005	73.42	1233.48
MW-4	75	25 - 75	1265.44	1/12/2004	57.42	1208.02
				1/14/2004	57.72	1207.72
				1/29/2004	57.18	1208.26
				2/9/2004	57.11	1208.33
				6/25/2004	56.86	1208.58
				9/17/2004	56.75	1208.69
				12/7/2004	56.77	1208.67
				5/24/2005	52.58	1212.86
MW-5	75	45 - 75	1266.21	1/23/2004	64.26	1201.95
				1/26/2004	64.24	1201.97
				1/29/2004	64.01	1202.20
				2/9/2004	64.02	1202.19
				6/17/2004	63.77	1202.44
				9/16/2004	63.61	1202.60
				12/7/2004	63.64	1202.57
				5/24/2005	60.35	1205.86
MW-6	65	40 - 65	1252.57	1/23/2004	52.07	1200.50
				1/26/2004	51.87	1200.70
				1/29/2004	51.61	1200.96
				2/9/2004	51.61	1200.96
				6/25/2004	51.31	1201.26
				9/17/2004	51.12	1201.45
				12/7/2004	50.98	1201.59
				5/24/2005	48.02	1204.55
MW-7	70	40 - 70	1248.12	2/3/2004	53.50	1194.62
				2/6/2004	51.51	1196.61
				2/9/2004	51.70	1196.42
				6/25/2004	51.39	1196.73
				9/16/2004	51.24	1196.88
				12/7/2004	51.23	1196.89
				5/24/2005	49.21	1198.91
MW-8	85	55 - 85	1293.21	2/4/2004	69.00	1224.21
				2/6/2004	59.30	1233.91
				2/9/2004	69.28	1223.93
				6/24/2004	69.46	1223.75
				9/16/2004	69.54	1223.67
				12/7/2004	69.61	1223.60
				5/24/2005	62.56	1230.65

Abbreviations:
ft bgs = Feet below ground surface
ft btoc = Feet below top of casing
ft msl = Feet mean sea level

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Table 13 Discreet Soil Vapor Sample Results
SADD Lease–North and South Parcels
Los Valles Company, Inc.
Castaic, California

Well ID	Sample Depth	Date Sampled	TVPH-g		Benzene		Toluene		Ethylbenzene		m,p-Xylenes		o-Xylene		Total Xylenes	1,3,5-TMB		1,2,4-TMB	
			ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	µg/L	ppbv	µg/L	ppbv	µg/L
		Molecular Weight	*100*		*78*		*92*		*106*		*106*		*106*		*106*	*120*		*120*	
North SADD Parcel																			
VW-1	10 - 30 ft	08/24/04	3,400,000	15,168.4	25,000	80.8	33,000	125.7	11,000	48.3	15,000	65.9	10,000	43.9	109.8	1,400	7.0	3,600	17.9
		09/29/04	1,800,000	8,030.4	19,000	61.4	22,000	83.8	6,100	26.8	15,000	65.9	8,000	35.1	101.0	2,500	12.4	5,800	28.8
		01/05/05	250,000	1,115.3	2.5	0.00808	3,900	14.86048	3,500	15.3658	34,000	149.3	12,000	52.7	202.0	220	1.1	590	2.9
		03/04/05	180,000	803.0	210	0.7	620	2.4	320	1.4	1,100	4.8	640	2.8	7.6	100	0.5	190	0.9
		06/10/05	100,000	446.1	180	0.6	360	1.4	160	0.7	590	2.6	390	1.7	4.3	140	0.7	170	0.8
		11/17/05	18,000	80.3	29	0.1	63	0.2	26	0.1	97	0.4	62	0.3	0.7	22	0.1	48	0.2
		12/19/05	12,000	53.5	< 1.8	< 0.01	3.7	0.01	< 1.8	0.01	5.1	0.02	4.0	0.02	0.04	< 3.6	< 0.02	< 3.6	< 0.02
		12/29/05	6,700	29.9	< 1.8	< 0.01	< 1.8	< 0.01	< 1.8	< 0.01	3.8	0.02	< 1.8	< 0.01	0.02	< 3.6	< 0.02	< 3.6	< 0.02
		01/09/06	5,800	25.9	< 1.8	< 0.01	< 1.8	< 0.01	2.0	0.01	6.9	0.03	2.5	0.01	0.0	< 3.6	< 0.02	< 3.6	< 0.02
	35 - 55 ft	08/24/04	4,800,000	21,414.3	26,000	84.0	41,000	156.2	11,000	48.3	16,000	70.2	11,000	48.3	118.0	1,400	7.0	3,100	15.4
		09/29/04	8,400,000	37,475.0	130,000	420.0	99,000	377.2	29,000	127.3	49,000	215.1	23,000	101.0	316.1	2,500	12.4	8,100	40.3
		01/05/05	600,000	2,676.8	3,000	9.7	9,200	35.1	5,500	24.1	8,800	38.6	5,600	24.6	63.2	680	3.4	1,600	8.0
		03/04/05	470,000	2,096.8	2,100	6.8	6,900	26.3	3,400	14.9	5,500	24.1	3,600	15.8	40.0	640	3.2	1,900	9.4
		06/10/05	310,000	1,383.0	720	2.3	3,100	11.8	1,700	7.5	2,700	11.9	1,600	7.0	18.9	44	0.2	1,500	7.5
		11/17/05	140,000	624.6	320	1.0	1,500	5.7	930	4.1	1,300	5.7	790	3.5	9.2	170	0.8	510	2.5
		12/19/05	120,000	535.4	240	0.8	1,100	4.2	610	2.7	930	4.1	600	2.6	6.7	120	0.6	300	1.5
		12/29/05	340,000	1,516.8	540	1.7	1,700	6.5	930	4.1	1,600	7.0	1,100	4.8	11.9	310	1.5	650	3.2
		01/09/06	440,000	1,963.0	860	2.8	2,200	8.4	950	4.2	1,900	8.3	1,400	6.1	14.5	370	1.8	710	3.5
	60 - 80 ft	08/24/04	8,300,000	37,028.8	110,000	355.4	83,000	316.3	27,000	118.5	39,000	171.2	21,000	92.2	263.4	1,700	8.4	6,000	29.8
		09/29/04	1,500,000	6,692.0	14,000	45.2	22,000	83.8	5,000	22.0	7,700	33.8	4,100	18.0	51.8	470	2.3	1,200	6.0
		10/29/04	NA	NA	12,000	38.8	25,000	95.3	7,800	34.2	10,000	43.9	5,300	23.3	67.2	660	3.3	1,900	9.4
		01/05/05	780,000	3,479.8	3,600	11.6	12,000	45.7	9,900	43.5	13,000	57.1	7,400	32.5	89.6	780	3.9	2,100	10.4
		03/04/05	880,000	3,925.9	2,600	8.4	9,700	37.0	7,200	31.6	13,000	57.1	7,800	34.2	91.3	1,200	6.0	3,700	18.4
		06/10/05	460,000	2,052.2	630	2.0	2,300	8.8	2,000	8.8	3,900	17.1	2,600	11.4	28.5	580	2.9	1,700	8.4
		11/17/05	430,000	1,918.4	530	1.7	2,100	8.0	2,000	8.8	3,200	14.0	2,200	9.7	23.7	490	2.4	1,200	6.0
		12/19/05	420,000	1,873.7	410	1.3	430	1.6	290	1.3	770	3.4	1,200	5.3	8.6	480	2.4	280	1.4
		12/29/05	580,000	2,587.6	400	1.3	570	2.2	560	2.5	1,200	5.3	2,000	8.8	14.0	630	3.1	400	2.0
		01/09/06	490,000	2,186.0	650	2.1	350	1.3	230	1.0	580	2.5	950	4.2	6.7	320	1.6	150	0.7
VW-2	10 - 30 ft	08/24/04	5,600,000	24,983.3	70,000	226.1	58,000	221.0	25,000	109.8	27,000	118.5	14,000	61.5	180.0	1,400	7.0	4,200	20.9
		09/29/04	600,000	2,676.8	80,000	258.4	71,000	270.5	28,000	122.9	36,000	158.0	16,000	70.2	228.3	2,400	11.9	5,400	26.8
		01/05/05	1,100,000	4,907.4	2,300	7.4	5,600	21.3	4,600	20.2	8,600	37.8	5,900	25.9	63.7	2,300	11.4	7,100	35.3
		03/04/05	650,000	2,899.8	1,600	5.2	4,000	15.2	2,500	11.0	4,200	18.4	2,800	12.3	30.7	1,300	6.5	4,000	19.9
		06/10/05	440,000	1,963.0	380	1.2	990	3.8	500	2.2	810	3.6	550	2.4	6.0	290	1.4	950	4.7
		11/17/05	180,000	803.0	350	1.1	930	3.5	490	2.2	710	3.1	450	2.0	5.1	160	0.8	460	2.3
		12/19/05	410,000	1,829.1	310	1.0	520	2.0	300	1.3	620	2.7	590	2.6	5.3	280	1.4	430	2.1
		12/29/05	400,000	1,784.5	400	1.3	510	1.9	190	0.8	400	1.8	470	2.1	3.8	200	1.0	220	1.1
		01/09/06	390,000	1,739.9	290	0.9	360	1.4	130	0.6	270	1.2	310	1.4	2.5	180	0.9	190	0.9

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Table 13 Discreet Soil Vapor Sample Results
SADD Lease–North and South Parcels
Los Valles Company, Inc.
Castaic, California

Well ID	Sample Depth	Date Sampled	TVPH-g		Benzene		Toluene		Ethylbenzene		m,p-Xylenes		o-Xylene		Total Xylenes	1,3,5-TMB		1,2,4-TMB	
			ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	µg/L	ppbv	µg/L	ppbv	µg/L
		Molecular Weight	*100*		*78*		*92*		*106*		*106*		*106*		*106*	*120*		*120*	
VW-2	35 - 55 ft	08/24/04	8,200,000	36,582.7	110,000	355.4	86,000	327.7	31,000	136.1	34,000	149.3	20,000	87.8	237.1	1,700	8.4	5,300	26.3
		09/29/04	9,100,000	40,597.9	130,000	420.0	110,000	419.1	35,000	153.7	56,000	245.9	27,000	118.5	365.0	5,700	28.3	16,000	79.5
		10/29/04	NA	NA	57,000	184.1	80,000	304.8	30,000	131.7	36,000	158.0	18,000	79.0	237.1	1,700	8.4	4,900	24.4
		01/05/05	3,300,000	14,722.3	25,000	80.8	53,000	202.0	33,000	144.9	40,000	175.6	20,000	87.8	263.4	2,300	11.4	5,800	28.8
		03/04/05	2,500,000	11,153.3	12,000	38.8	36,000	137.2	25,000	109.8	33,000	144.9	17,000	74.6	219.5	2,000	9.9	5,900	29.3
		06/10/05	1,700,000	7,584.2	4,100	13.2	18,000	68.6	15,000	65.9	23,000	101.0	12,000	52.7	153.7	1,800	8.9	4,800	23.9
		11/17/05	1,000,000	4,461.3	1,500	4.8	9,200	35.1	7,900	34.7	11,000	48.3	6,700	29.4	77.7	950	4.7	2,300	11.4
		12/19/05	1,400,000	6,245.8	1,800	5.8	9,500	36.2	3,900	17.1	8,000	35.1	6,100	26.8	61.9	1,500	7.5	1,700	8.4
		12/29/05	1,600,000	7,138.1	730	2.4	2,300	8.8	850	3.7	3,600	15.8	3,100	13.6	29.4	920	4.6	500	2.5
		01/09/06	1,400,000	6,245.8	790	2.6	6,700	25.5	2,600	11.4	13,000	57.1	7,200	31.6	88.7	3,100	15.4	7,200	35.8
	60 - 80 ft	08/24/04	8,400,000	37,475.0	120,000	387.7	160,000	609.7	40,000	175.6	49,000	215.1	28,000	122.9	338.0	1,500	7.5	1,500	7.5
		09/29/04	9,900,000	44,166.9	150,000	484.6	190,000	724.0	44,000	193.2	76,000	333.7	37,000	162.4	496.1	9,000	44.7	28,000	139.2
		10/29/04	NA	NA	20,000	64.6	85,000	323.9	26,000	114.1	30,000	131.7	17,000	74.6	206.3	1,600	8.0	4,500	22.4
		01/05/05	1,400,000	6,245.8	3,100	10.0	15,000	57.2	17,000	74.6	21,000	92.2	13,000	57.1	149.3	1,700	8.4	4,200	20.9
		03/04/05	1,200,000	5,353.6	2,600	8.4	11,000	41.9	13,000	57.1	18,000	79.0	11,000	48.3	127.3	1,700	8.4	5,200	25.8
		06/10/05	690,000	3,078.3	530	1.7	2,000	7.6	2,800	12.3	4,400	19.3	2,900	12.7	32.0	620	3.1	1,900	9.4
		11/17/05	550,000	2,453.7	790	2.6	3,300	12.6	3,400	14.9	5,300	23.3	3,600	15.8	39.1	780	3.9	2,100	10.4
		12/19/05	430,000	1,918.4	690	2.2	2,500	9.5	2,500	11.0	4,000	17.6	2,900	12.7	30.3	550	2.7	1,400	7.0
		12/29/05	670,000	2,989.1	1,100	3.6	6,100	23.2	5,600	24.6	7,800	34.2	4,800	21.1	55.3	640	3.2	1,700	8.4
		01/09/06	630,000	2,810.6	1,900	6.1	9,000	34.3	4,000	17.6	5,600	24.6	3,500	15.4	40.0	500	2.5	1,200	6.0
South SADD Parcel																			
VW-3	10 - 30 ft	08/24/04	1,800	8.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	0.0	4	0.0	4	0.0
		12/19/05	< 1,800	<8.0	< 1.8	<0.01	< 1.8	<0.01	< 1.8	<0.01	< 1.8	<0.01	< 1.8	<0.01	0.0	< 3.5	<0.02	< 3.5	<0.02
	35 - 55 ft	08/24/04	4,400,000	19,629.7	130	0.4	37	0.1	70	0.3	250	1.1	110	0.5	1.6	75	0.4	75	0.4
		12/19/05	740,000	3,301.4	< 5.4	<0.02	< 5.4	<0.02	19	0.1	54	0.2	38	0.2	0.4	15	0.1	27	0.1
	RWQCB Region 2 ESL (µg/L)			*NS*		*0.0084*		*83*		*210*		*NS*		*NS*	*21*		*NS*		*NS*

Notes:
< = The constituent was not detected above the specified reporting limit.

Abbreviations:
µg/L = Micrograms per liter
ESL = Environmental screening level
ft = Feet
NA = not analyzed
NS = no standard
ppbv = parts per billion by volume
RWQCB = Regional Water Quality Control Board
TMB = Trimethylbenzene
TVPH-g = Total volatile petroleum hydrocarbons as gasoline

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Table 14 *Influent Soil Vapor Sample Results*
Los Valles Company, Inc.
Castaic, California

Sample ID	Date Sampled	TVPH-g	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	1,3,5-TMB	1,2,4-TMB	Total VOCs
		ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv
Hasley-In-01	10/4/2004	**1,200**	**20.00**	**26.00**	5.80	7.20	3.90	<0.370	1.10	64.00
Hasley-In-02	11/1/2004	840	6.00	20.00	6.80	9.50	4.90	0.66	1.80	49.66
Hasley-In-03	12/2/2004	1,100	5.00	21.00	**14.00**	**17.00**	**11.00**	**1.40**	**3.60**	**73.00**
Hasley-In-04	1/5/2005	800	2.90	10.00	9.20	12.00	7.30	0.96	2.70	45.06
Hasley-In-05	2/1/2005	660	2.00	6.90	6.90	9.30	5.70	0.84	2.30	33.94
Hasley-In-06	3/4/2005	700	1.80	6.60	6.60	9.30	5.80	0.95	3.00	34.05
Hasley-In-07	4/7/2005	460	0.89	3.10	3.00	4.90	3.20	0.63	1.90	17.62
Hasley-In-08	5/11/2005	430	0.97	3.40	3.50	5.30	3.20	0.60	1.70	18.67
Hasley-In-09	6/10/2005	410	0.71	2.80	2.90	4.80	3.00	0.70	2.10	17.01
Hasley-In-10	7/29/2005	360	0.98	3.00	2.40	4.10	2.60	0.58	1.60	15.26
System shutdown for rebound testing starting on 8/5/05.										
Hasley-In-11	8/10/2005	420	1.20	3.60	2.80	4.90	3.10	0.69	2.00	18.29
System shutdown for rebound testing.										
Hasley-In-12	8/19/2005	530	1.50	3.90	3.10	5.20	3.30	0.73	1.90	19.63
System shutdown for rebound testing.										
Hasley-In-13	9/1/2005	430	1.30	4.10	3.40	5.00	3.30	0.61	1.70	19.41
Hasley-In-14 (*)	10/27/2005	360	0.67	2.70	2.50	3.60	2.50	0.56	1.50	14.03
Hasley-In-15	11/17/2005	380	0.57	2.50	2.30	3.40	2.30	0.49	1.30	12.86
Reduction since Startup/Max. Conc.		*68.3%*	*97.2%*	*90.4%*	*83.6%*	*80.0%*	*79.1%*	*65.0%*	*63.9%*	*82.4%*

Notes:

The active venting system was shutdown starting on 8/5/05 to initiate rebound testing.

The samples collected on 8/10, 8/19, and 9/1 are rebound testing samples.

(*) - TCE (0.051 ppmv) and PCE (0.250 ppmv) were also detected in the system influent sample on 10/27/05. These results appear anomolous.

< = The constituent was not detected above the specified reporting limit.

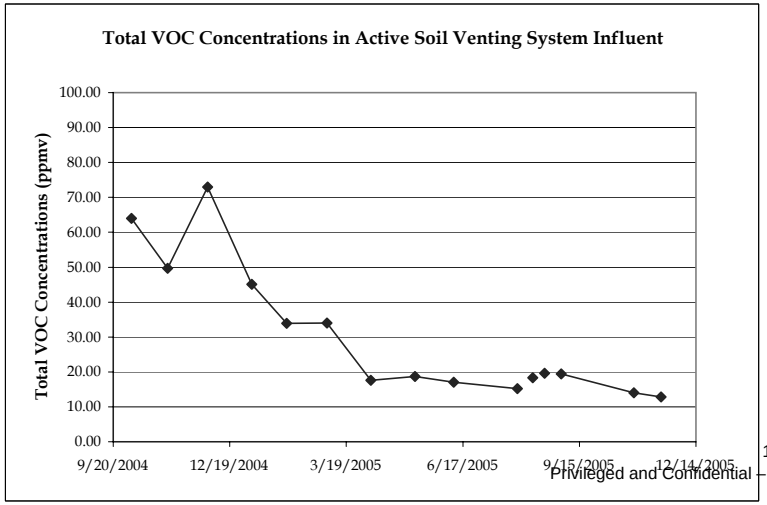
ppmv = parts per million by volume

Bolded values are maximum detected concentrations.

TMB = Trimethylbenzene

TVPH = Total Volatile Petroluem Hydrocarbons as gasoline

VOCs = Volatile Ogranic Compounds



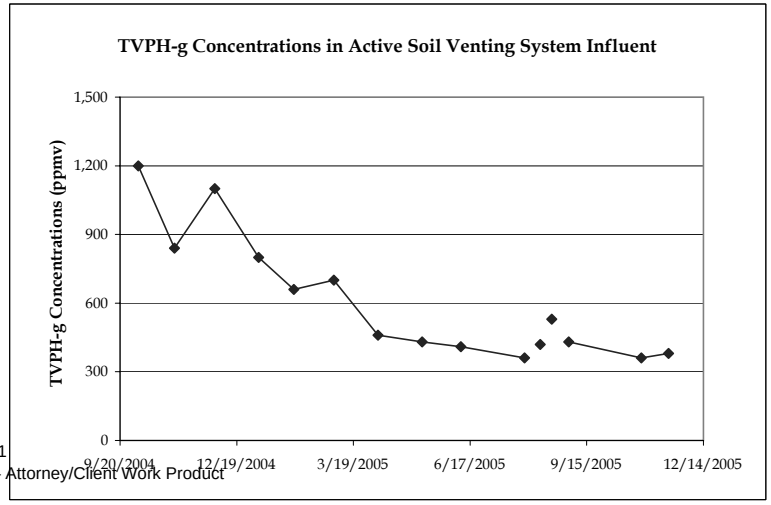


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Table 15 *Mass Removal Calculations*
Los Valles Company, Inc.
Castaic, California

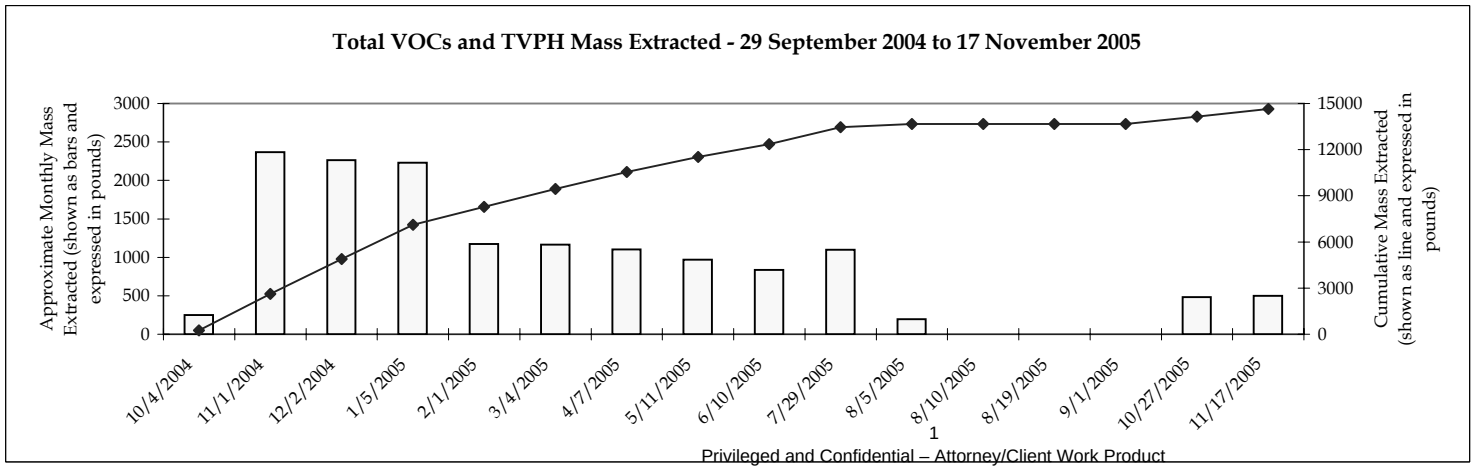
		Vapor Analytical Data								Mass Removal Calculations					
Molecular weight		78	92	106	106	106	120	120	100	Extraction	Operational	VOC Mass	TVPH Mass	Total Mass	Cumulative
Sample ID	Sample Date	Benzene	Toluene	Ethyl-benzene	mp-Xylene	o-Xylene	1,3,5-TMB	1,2,4-TMB	TVPH-g	flow rate (scfm)	Time (hours)	Extracted (lbs.)	Extracted (lbs.)	Extracted (lbs.)	Mass Ext. (lbs.)
Hasley-In-01	10/4/2004	20.00	26.00	5.80	7.20	3.90	< 0.37	1.10	1,200	225	51	11.8	238	250	250
Hasley-In-02	11/1/2004	6.00	20.00	6.80	9.50	4.90	0.66	1.80	840	219	703	129.4	2240	2369	2620
Hasley-In-03	12/2/2004	5.00	21.00	14.00	17.00	11.00	1.40	3.60	1,100	186	599	142.3	2122	2264	4884
Hasley-In-04	1/5/2005	2.90	10.00	9.20	12.00	7.30	0.96	2.70	800	180	846	121.5	2109	2231	7115
Hasley-In-05	2/1/2005	2.00	6.90	6.90	9.30	5.70	0.84	2.30	660	186	524	58.9	1114	1173	8287
Hasley-In-06	3/4/2005	1.80	6.60	6.60	9.30	5.80	0.95	3.00	700	179	512	55.9	1111	1167	9454
Hasley-In-07	4/7/2005	0.89	3.10	3.00	4.90	3.20	0.63	1.90	460	179	744	42.3	1061	1103	10557
Hasley-In-08	5/11/2005	0.97	3.40	3.50	5.30	3.20	0.60	1.70	430	186	671	41.8	929	971	11528
Hasley-In-09	6/10/2005	0.71	2.80	2.90	4.80	3.00	0.70	2.10	410	186	608	34.9	803	838	12366
Hasley-In-10	7/29/2005	0.98	3.00	2.40	4.10	2.60	0.58	1.60	360	186	909	46.2	1054	1100	13466
(*)	8/5/2005	0.98	3.00	2.40	4.10	2.60	0.58	1.60	360	186	163	8.3	189	197	13663
Hasley-In-11	8/10/2005	1.20	3.60	2.80	4.90	3.10	0.69	2.00	420	193	1	0.1	1	1	13665
Hasley-In-12	8/19/2005	1.50	3.90	3.10	5.20	3.30	0.73	1.90	530	186	1	0.1	2	2	13666
Hasley-In-13	9/1/2005	1.30	4.10	3.40	5.00	3.30	0.61	1.70	430	186	1	0.1	1	1	13668
Hasley-In-14	10/27/2005	0.67	2.70	2.50	3.60	2.50	0.56	1.50	390	179	384	17.4	464	482	14149
Hasley-In-15	11/17/2005	0.57	2.50	2.30	3.40	2.30	0.49	1.30	380	179	408	16.9	481	497	14647
										Total	**7125**	**728**	**13919**	**14647**	

Notes:

Concentrations are reported in parts per million by volume (ppmv)
< = Less than; constituent not detected at the Method Detection Limit
ID = Identification
TMB = Trimethylbenzene
scfm = Standard cubic feet per minute
TVPH-g = Total volatile petroleum hydrocarbons as gasoline
VOC = Volatile organic compound
(*) = System shutdown to initiate rebound testing.

Equations:

M = C * MW * Q * T * T(f) * CF
M = mass of hydrocarbons (lbs.)
C = concentrations of hydrocarbons in vapor sample (ppbv)
MW = molecular weight of compounds (g/mole)
Q = vapor flow rate (scfm)
T = operational time between sampling events (hours)
T(f) = temperature factor (dimensionless) = (temp in Kelvins/273 Kelvins)
CF = conversion factor = (1 mole/22.4 liter) * (60 minutes/hour) * (28.31 liter/cu. ft.) * (1 lb/454 grams) * (1/10^6 ppmv)



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Appendix A

Attenuation Factor Calculations

Table A1 *Attenuation Factor Calculations for Benzene*
SADD LEASE - North Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL (2) (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Benzene	1	0.5	89.5	4.475	58.175	26.85	0	73.2	37.0	4.7	4.71	NA	--
Benzene	1	5	85	4.25	55.25	25.5	0	73.2	34.3	4.4	4.37	22	80.1%
Benzene	1	10	80	4	52	24	0	73.2	31.3	4.0	3.99	99	96.0%
Benzene	1	15	75	3.75	48.75	22.5	0	73.2	28.3	3.6	3.61	650	99.4%
Benzene	1	20	70	3.5	45.5	21	0	73.2	25.3	3.2	3.23	7300	100.0%
Benzene	1	25	65	3.25	42.25	19.5	0	73.2	22.3	2.8	2.84	ND	--
Benzene	1	30	60	3	51	6	0	73.2	19.3	2.1	2.08	5600	100.0%
Benzene	1	35	55	2.75	46.75	5.5	0	73.2	16.3	1.8	1.75	ND	--
Benzene	1	40	50	2.5	42.5	5	0	73.2	13.3	1.4	1.43	640	99.8%
Benzene	1	45	45	2.25	38.25	4.5	0	73.2	10.3	1.1	1.11	1400	99.9%
Benzene	1	50	40	2	26	12	0	73.2	7.3	0.9	1.00	2100	100.0%
Benzene	1	60	30	1.5	25.5	3	0	73.2	5.7	0.6	1.00	1700	99.9%
Benzene	1	70	20	1	17	2	0	73.2	4.2	0.4	1.00	ND	--
Benzene	1	80	10	0.5	8.5	1	0	73.2	2.6	0.3	1.00	ND	--
Benzene	1	89.5	0.5	0.025	0.425	0.05	0	73.2	1.1	0.1	1.00	49	98.0%

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Benzene) =	65	(ml/g)
K_H(Benzene) =	0.229	
Average Depth to Groundwater =	90	feet

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Soil Composition:

0 - 30 ft depth (Silty sand, SM)
% Gravel = 5
% Sand = 65
% Silt = 30
% Clay = 0

30 - 45 ft depth (Sand, SS)
% Gravel = 5
% Sand = 85
% Silt = 10
% Clay = 0

45 - 50 ft depth (Silty sand, SM)
% Gravel = 5
% Sand = 65
% Silt = 30
% Clay = 0

50 - 90 ft depth (sand, SS)
% Gravel = 5
% Sand = 85
% Silt = 10
% Clay = 0

Table A2 *Attenuation Factor Calculations for Toluene*
SADD LEASE - North Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL (2) (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Toluene	150	0.5	89.5	4.475	58.175	26.85	0	287.6	145.2	18.5	2777.39	NA	--
Toluene	150	5	85	4.25	55.25	25.5	0	287.6	134.6	17.2	2574.90	ND	--
Toluene	150	10	80	4	52	24	0	287.6	122.9	15.7	2349.91	68	--
Toluene	150	15	75	3.75	48.75	22.5	0	287.6	111.1	14.2	2124.92	2500	15.0%
Toluene	150	20	70	3.5	45.5	21	0	287.6	99.3	12.7	1899.93	37000	94.9%
Toluene	150	25	65	3.25	42.25	19.5	0	287.6	87.6	11.2	1674.94	ND	--
Toluene	150	30	60	3	51	6	0	287.6	75.8	8.2	1222.50	22000	94.4%
Toluene	150	35	55	2.75	46.75	5.5	0	287.6	64.0	6.9	1032.80	ND	--
Toluene	150	40	50	2.5	42.5	5	0	287.6	52.3	5.6	843.10	12000	93.0%
Toluene	150	45	45	2.25	38.25	4.5	0	287.6	40.5	4.4	653.41	4100	84.1%
Toluene	150	50	40	2	26	12	0	287.6	28.8	3.7	549.98	7300	92.5%
Toluene	150	60	30	1.5	25.5	3	0	287.6	21.8	2.3	351.81	11000	96.8%
Toluene	150	70	20	1	17	2	0	287.6	14.9	1.6	239.92	17000	98.6%
Toluene	150	80	10	0.5	8.5	1	0	287.6	7.9	0.9	150.00	ND	--
Toluene	150	89.5	0.5	0.025	0.425	0.05	0	287.6	1.3	0.1	150.00	18	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Toluene) =	260	(ml/g)
K_H(Toluene) =	0.274	
Average Depth to Groundwater =	90	feet

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Soil Composition:

0 - 30 ft depth (Silty sand, SM)
% Gravel = 5
% Sand = 65
% Silt = 30

30 - 45 ft depth (Sand, SS)
% Gravel = 5
% Sand = 85
% Silt = 10

45 - 50 ft depth (Silty sand, SM)
% Gravel = 5
% Sand = 65
% Silt = 30

50 - 90 ft depth (sand, SS)
% Gravel = 5
% Sand = 85
% Silt = 10

Table A3 *Attenuation Factor Calculations for Ethylbenzene*
SADD LEASE - North Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL [2] (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Ethyl Benzene	700	0.5	89.5	4.475	58.175	26.85	0	243.8	123.1	15.7	10989.73	NA	--
Ethyl Benzene	700	5	85	4.25	55.25	25.5	0	243.8	114.2	14.6	10188.50	6800	--
Ethyl Benzene	700	10	80	4	52	24	0	243.8	104.2	13.3	9298.24	12000	22.5%
Ethyl Benzene	700	15	75	3.75	48.75	22.5	0	243.8	94.2	12.0	8407.99	3600	--
Ethyl Benzene	700	20	70	3.5	45.5	21	0	243.8	84.2	10.7	7517.73	34000	77.9%
Ethyl Benzene	700	25	65	3.25	42.25	19.5	0	243.8	74.3	9.5	6627.47	460	--
Ethyl Benzene	700	30	60	3	51	6	0	243.8	64.3	6.9	4837.26	23000	79.0%
Ethyl Benzene	700	35	55	2.75	46.75	5.5	0	243.8	54.3	5.8	4086.65	370	--
Ethyl Benzene	700	40	50	2.5	42.5	5	0	243.8	44.3	4.8	3336.04	12000	72.2%
Ethyl Benzene	700	45	45	2.25	38.25	4.5	0	243.8	34.4	3.7	2585.43	6300	59.0%
Ethyl Benzene	700	50	40	2	26	12	0	243.8	24.4	3.1	2176.18	13000	83.3%
Ethyl Benzene	700	60	30	1.5	25.5	3	0	243.8	18.5	2.0	1394.93	14000	90.0%
Ethyl Benzene	700	70	20	1	17	2	0	243.8	12.7	1.4	955.04	17000	94.4%
Ethyl Benzene	700	80	10	0.5	8.5	1	0	243.8	6.8	0.7	700.00	ND	--
Ethyl Benzene	700	89.5	0.5	0.025	0.425	0.05	0	243.8	1.3	0.1	700.00	8.8	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Ethyl Benzene) =	220	(ml/g)
K_H(Ethyl Benzene) =	0.328	
Average Depth to Groundwater =	90	feet

Soil Composition:

0 - 30 ft depth (Silty sand, SM)		**30 - 45 ft depth (Sand, SS)**		**45 - 50 ft depth (Silty sand, SM)**		**50 - 90 ft depth (sand, SS)**	
% Gravel =	5	% Gravel =	5	% Gravel =	5	% Gravel =	5
% Sand =	65	% Sand =	85	% Sand =	65	% Sand =	85
% Silt =	30	% Silt =	10	% Silt =	30	% Silt =	10

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Table A4 *Attenuation Factor Calculations for Xylenes*
SADD LEASE - North Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL (2) (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Total Xylenes	1750	0.5	89.5	4.475	58.175	26.85	0	265.4	134.0	17.1	29905.65	NA	--
Total Xylenes	1750	5	85	4.25	55.25	25.5	0	265.4	124.3	15.8	27725.31	15000	--
Total Xylenes	1750	10	80	4	52	24	0	265.4	113.4	14.5	25302.71	18000	--
Total Xylenes	1750	15	75	3.75	48.75	22.5	0	265.4	102.5	13.1	22880.11	8700	--
Total Xylenes	1750	20	70	3.5	45.5	21	0	265.4	91.7	11.7	20457.51	87000	76.5%
Total Xylenes	1750	25	65	3.25	42.25	19.5	0	265.4	80.8	10.3	18034.91	1400	--
Total Xylenes	1750	30	60	3	51	6	0	265.4	70.0	7.5	13163.32	61000	78.4%
Total Xylenes	1750	35	55	2.75	46.75	5.5	0	265.4	59.1	6.4	11120.74	580	--
Total Xylenes	1750	40	50	2.5	42.5	5	0	265.4	48.3	5.2	9078.15	37000	75.5%
Total Xylenes	1750	45	45	2.25	38.25	4.5	0	265.4	37.4	4.0	7035.57	16000	56.0%
Total Xylenes	1750	50	40	2	26	12	0	265.4	26.5	3.4	5921.91	39000	84.8%
Total Xylenes	1750	60	30	1.5	25.5	3	0	265.4	20.2	2.2	3791.77	33000	88.5%
Total Xylenes	1750	70	20	1	17	2	0	265.4	13.8	1.5	2590.55	51000	94.9%
Total Xylenes	1750	80	10	0.5	8.5	1	0	265.4	7.4	0.8	1750.00	ND	--
Total Xylenes	1750	89.5	0.5	0.025	0.425	0.05	0	265.4	1.3	0.1	1750.00	55	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Xylenes) =	240	(ml/g)
K_H(Xylenes) =	0.22	
Average Depth to Groundwater =	90	feet

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Soil Composition:

0 - 30 ft depth (Silty sand, SM)
% Gravel = 5
% Sand = 65
% Silt = 30

30 - 45 ft depth (Sand, SS)
% Gravel = 5
% Sand = 85
% Silt = 10

45 - 50 ft depth (Silty sand, SM)
% Gravel = 5
% Sand = 65
% Silt = 30

50 - 90 ft depth (sand, SS)
% Gravel = 5
% Sand = 85
% Silt = 10

Table A5 *Attenuation Factor Calculations for Benzene*
SADD LEASE - South Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL [2] (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Benzene	1	0.5	59.5	2.975	38.675	17.85	0	73.2	19.0	2.4	2.42	NA	--
Benzene	1	5	55	2.75	35.75	16.5	0	73.2	16.3	2.1	2.08	ND	--
Benzene	1	10	50	2.5	32.5	15	0	73.2	13.3	1.7	1.70	2400	99.9%
Benzene	1	15	45	2.25	29.25	13.5	0	73.2	10.3	1.3	1.32	ND	--
Benzene	1	20	40	2	34	4	0	73.2	7.3	0.8	1.00	66000	100.0%
Benzene	1	25	35	1.75	29.75	3.5	0	73.2	6.5	0.7	1.00	ND	--
Benzene	1	30	30	1.5	25.5	3	0	73.2	5.7	0.6	1.00	ND	--
Benzene	1	35	25	1.25	21.25	2.5	0	73.2	5.0	0.5	1.00	ND	--
Benzene	1	40	20	1	17	2	0	73.2	4.2	0.4	1.00	1300	99.9%
Benzene	1	45	15	0.75	12.75	1.5	0	73.2	3.4	0.4	1.00	ND	--
Benzene	1	50	10	0.5	8.5	1	0	73.2	2.6	0.3	1.00	ND	--
Benzene	1	59.5	0.5	0.025	0.425	0.05	0	73.2	1.1	0.1	1.00	ND	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Benzene) =	65	(ml/g)
K_H(Benzene) =	0.229	
Average Depth to Groudwater =	60	feet

0 - 15 ft depth (Silty sand, SM)		**15 - 60 ft depth (Sand, SS)**	
% Gravel =	5	% Gravel =	5
% Sand =	65	% Sand =	85
% Silt =	30	% Silt =	10
% Clay =	0	% Clay =	0

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Table A6 *Attenuation Factor Calculations for Toluene*
SADD LEASE - South Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL [2] (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Toluene	150	0.5	59.5	2.975	38.675	17.85	0	287.6	74.6	9.5	1427.44	NA	--
Toluene	150	5	55	2.75	35.75	16.5	0	287.6	64.0	8.2	1224.95	ND	--
Toluene	150	10	50	2.5	32.5	15	0	287.6	52.3	6.7	999.96	ND	--
Toluene	150	15	45	2.25	29.25	13.5	0	287.6	40.5	5.2	774.97	ND	--
Toluene	150	20	40	2	34	4	0	287.6	28.8	3.1	463.71	130000	99.6%
Toluene	150	25	35	1.75	29.75	3.5	0	287.6	25.3	2.7	407.76	ND	--
Toluene	150	30	30	1.5	25.5	3	0	287.6	21.8	2.3	351.81	ND	--
Toluene	150	35	25	1.25	21.25	2.5	0	287.6	18.3	2.0	295.86	ND	--
Toluene	150	40	20	1	17	2	0	287.6	14.9	1.6	239.92	4000	94.0%
Toluene	150	45	15	0.75	12.75	1.5	0	287.6	11.4	1.2	183.97	ND	--
Toluene	150	50	10	0.5	8.5	1	0	287.6	7.9	0.9	150.00	ND	--
Toluene	150	59.5	0.5	0.025	0.425	0.05	0	287.6	1.3	0.1	150.00	ND	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Toluene) =	260	(ml/g)
K_H(Toluene) =	0.274	
Average Depth to Groudwater =	60	feet

0 - 15 ft depth (Silty sand, SM)		**15 - 60 ft depth (Sand, SS)**	
% Gravel =	5	% Gravel =	5
% Sand =	65	% Sand =	85
% Silt =	30	% Silt =	10
% Clay =	0	% Clay =	0

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Table A7 *Attenuation Factor Calculations for Ethyl Benzene*
SADD LEASE - South Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL [2] (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Ethyl Benzene	700	0.5	59.5	2.975	38.675	17.85	0	243.8	63.3	8.1	5648.19	NA	--
Ethyl Benzene	700	5	55	2.75	35.75	16.5	0	243.8	54.3	6.9	4846.96	ND	--
Ethyl Benzene	700	10	50	2.5	32.5	15	0	243.8	44.3	5.7	3956.70	ND	--
Ethyl Benzene	700	15	45	2.25	29.25	13.5	0	243.8	34.4	4.4	3066.44	ND	--
Ethyl Benzene	700	20	40	2	34	4	0	243.8	24.4	2.6	1834.82	ND	--
Ethyl Benzene	700	25	35	1.75	29.75	3.5	0	243.8	21.5	2.3	1614.88	ND	--
Ethyl Benzene	700	30	30	1.5	25.5	3	0	243.8	18.5	2.0	1394.93	ND	--
Ethyl Benzene	700	35	25	1.25	21.25	2.5	0	243.8	15.6	1.7	1174.98	ND	--
Ethyl Benzene	700	40	20	1	17	2	0	243.8	12.7	1.4	955.04	4300	77.8%
Ethyl Benzene	700	45	15	0.75	12.75	1.5	0	243.8	9.8	1.1	735.09	ND	--
Ethyl Benzene	700	50	10	0.5	8.5	1	0	243.8	6.8	0.7	700.00	130	--
Ethyl Benzene	700	59.5	0.5	0.025	0.425	0.05	0	243.8	1.3	0.1	700.00	ND	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Ethyl Benzene) =	220	(ml/g)
K_H(Ethyl Benzene) =	0.328	
Average Depth to Groudwater =	60	feet

0 - 15 ft depth (Silty sand, SM)		**15 - 60 ft depth (Sand, SS)**	
% Gravel =	5	% Gravel =	5
% Sand =	65	% Sand =	85
% Silt =	30	% Silt =	10
% Clay =	0	% Clay =	0

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Table A8 *Attenuation Factor Calculations for Xylenes*
SADD LEASE - South Pad
Remedial Action Plan
Former SADD Lease Site
Los Angels County, California

CHEMICAL	MCL [2] (µg/L)	SAMPLE DEPTH (ft)	AVERAGE DEPTH TO GROUND WATER (ft)	GRAVEL TGR (ft)	SAND TSA (ft)	SILT TSI (ft)	CLAY TCL (ft)	AF	AF_D	AF_T	C (Soil Cleanup Levels) (µg/kg)	HIGHEST OBSERVED ANALTICAL SOIL RESULT (µg/kg)	Reduction To Reach Clean-Up Goal (%)
Total Xylenes	1750	0.5	59.5	2.975	38.675	17.85	0	265.4	68.9	8.8	15370.05	NA	--
Total Xylenes	1750	5	55	2.75	35.75	16.5	0	265.4	59.1	7.5	13189.71	ND	--
Total Xylenes	1750	10	50	2.5	32.5	15	0	265.4	48.3	6.2	10767.11	ND	--
Total Xylenes	1750	15	45	2.25	29.25	13.5	0	265.4	37.4	4.8	8344.51	ND	--
Total Xylenes	1750	20	40	2	34	4	0	265.4	26.5	2.9	4992.98	94000	94.7%
Total Xylenes	1750	25	35	1.75	29.75	3.5	0	265.4	23.3	2.5	4392.38	ND	--
Total Xylenes	1750	30	30	1.5	25.5	3	0	265.4	20.2	2.2	3791.77	ND	--
Total Xylenes	1750	35	25	1.25	21.25	2.5	0	265.4	17.0	1.8	3191.16	ND	--
Total Xylenes	1750	40	20	1	17	2	0	265.4	13.8	1.5	2590.55	5200	50.2%
Total Xylenes	1750	45	15	0.75	12.75	1.5	0	265.4	10.6	1.1	1989.95	ND	--
Total Xylenes	1750	50	10	0.5	8.5	1	0	265.4	7.4	0.8	1750.00	200	--
Total Xylenes	1750	59.5	0.5	0.025	0.425	0.05	0	265.4	1.3	0.1	1750.00	ND	--

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft = feet
NA = Not Applicable
NL = Not Listed
(1) Guidebook
(2) California DOHS Emergency Rulemaking Document R-36-93, Interim Site Assessment and Cleanup Guidebook, May 1996, pg. A-8.
Highlighted areas indicate soil sample concentrations which have exceeded the calculated cleanup level.

Assumptions Used:

P_b =	2.27	(g/ml): Soil Bulk Density
θ_w =	0.031	: Soil Water Content
f_{oc} =	0.015	: Organic Carbon Content
n =	0.143	: Soil Porosity
K_{oc}(Xylenes) =	240	(ml/g)
K_H(Xylenes) =	0.22	
Average Depth to Groudwater =	60	feet

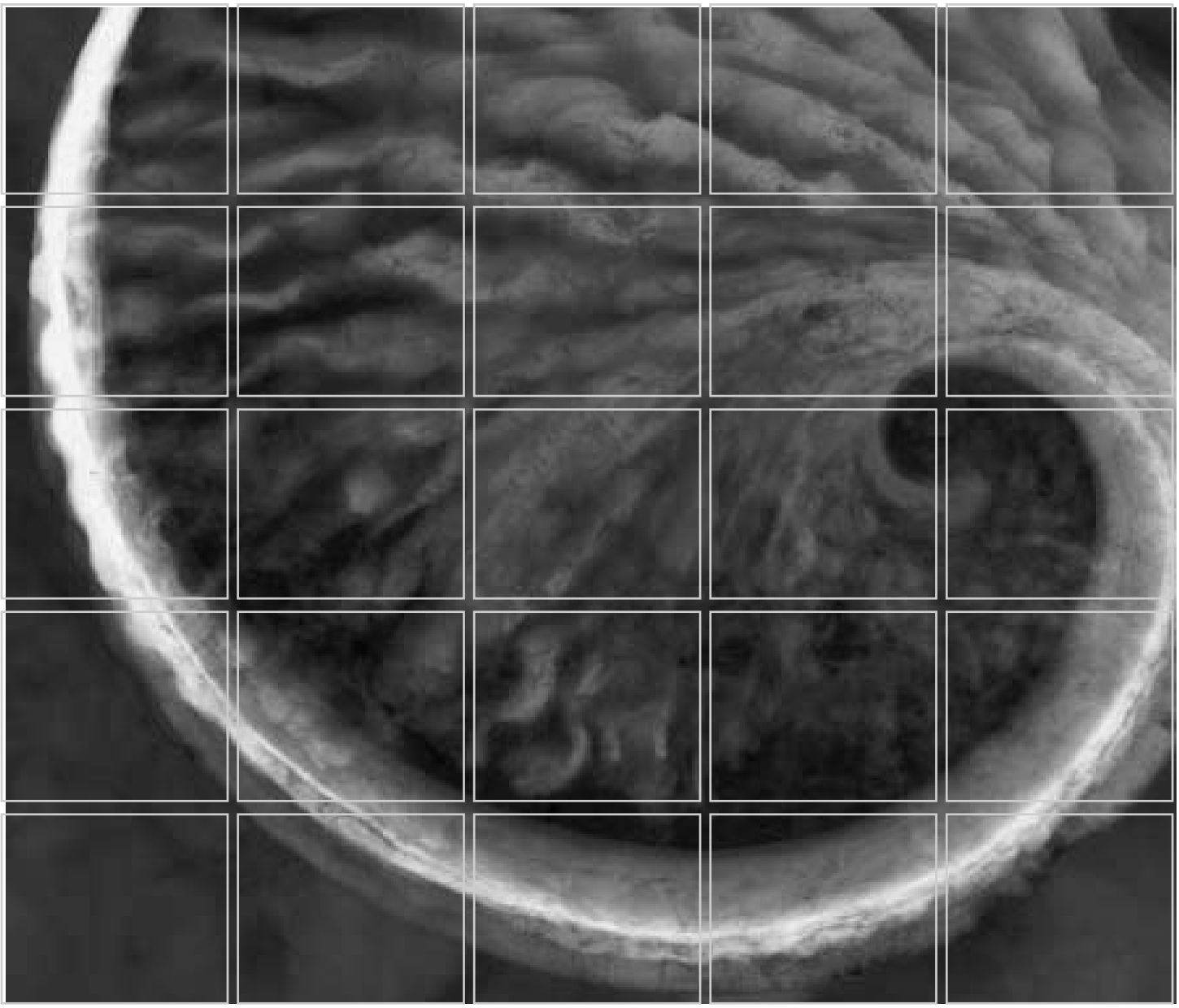
0 - 15 ft depth (Silty sand, SM)		**15 - 60 ft depth (Sand, SS)**	
% Gravel =	5	% Gravel =	5
% Sand =	65	% Sand =	85
% Silt =	30	% Silt =	10
% Clay =	0	% Clay =	0

Legend:
TGR = Total thickness of gravel layer within D (feet)
TSA = Total thickness of sand layer within D (feet)
TSI = Total thickness of silt layer within D (feet)
TCL = Total thickness of clay layer within D (feet)
$AF = 1 + (P_b / \theta_w) \cdot f_{oc} \cdot K_{oc} + (n - \theta_w) \cdot K_H / \theta w$
$AF_T = (AF_D / D) \cdot (TGR / 20 + TSA / 10 + TSI / 5 + TCL)$
C = Soil cleanup level concentrations (µg/kg)
MCL = California MCL (Maximum Contaminant Level)
PCE = Tetrachloroethene

Where:
AF_T = Attenuation factor with total modification for distance to ground water and lithology.
AF_D = Attenuation factor as a function of AF and depth to ground water.
D = Distance from ground water to point of interest (feet).

Appendix B

Health Risk Assessment Report



Health Risk Assessment

Former SADD Lease Site

February 2006

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Prepared for:
Los Valles Land &
Golf, LLC

Delivering sustainable solutions in a more competitive world

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Los Valles Land & Golf, LLC

Health Risk Assessment

Former SADD Lease Site

February 2006

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Table 8 *Predicted Residential and Worker/Guest Acute Hazard Index*

1.0 INTRODUCTION

On behalf of Los Valles Land & Golf, LLC (Los Valles) ERM-West, Inc., (ERM) has prepared this Health Risk Assessment (HRA) Report to address potential for carcinogenic risk and non-carcinogenic health effects related to residual impacted soil at the Los Valles site in Castaic, California (Figure 1).

The 432-acre site is largely undeveloped land with the exception of three former production areas (each covering an area of approximately 1 acre) previously used for crude oil extraction. Previous oil production activities resulted in potential environmental impacts at these three areas. The three former production areas, as shown on Figure 2, are referred to as:

1. AEO Lease – Burns/Crist (AEO Pad);
2. SADD Lease – North Pad (NP); and
3. SADD Lease - South Pad (SP).

The site is being redeveloped as a combination of luxury homes and a championship golf course (Figures 3 and 4). The three areas mentioned above will be incorporated as features of the golf course (i.e. the six-hole tee box will be situated at the SADD Lease – NP). No future homes will be constructed on these threes sites.

Investigation results did not identify impacted material warranting further consideration or remediation at the AEO Pad. Residual impacted soil was identified at the SP, however no active remediation is required per the Los Angeles County Fire Department (LACFD). Remediation at the NP shows that the soil gas concentrations have been significantly reduced and stabilized.

Specifically this HRA Report focuses on the passive venting of vapors from partially treated soil at the Former SADD Lease Parcels after the development of the property. Specifically, this document describes air dispersion modeling, exposure analysis, and resultant risk assessment from the passive venting of the soil gas. Detailed site background, proposed redevelopment, and investigation/remediation information are provided in the *Remedial Action Plan* (ERM, 2004) and quarterly progress reports submitted to the Los Angeles County Fire Department (LACFD).

The HRA Report is organized as follows:

- Section 2.0 summarizes the overall risk assessment methodology used in the analysis;
- Section 3.0 discusses the results of the risk assessment;
- Section 4.0 describes the conclusion of the study; and
- Section 5.0 provides references.

2.0 PRELIMINARY SCREENING RISK ASSESSMENT METHODOLOGY

This section provides the methodology utilized in conducting the preliminary screening HRA. The screening HRA is used to conservatively assess the potential for carcinogenic risk and non-carcinogenic health effects from the passive venting of the in-line extraction systems at the SADD Lease - NP and SP areas on near-by future residents, golf-course workers, and golf course guests. The HRA includes the development of air toxic emission rates, model analysis of exposure, and the predicted health impacts from the continuous low-level releases into the atmosphere.

The California Office of Environmental Health Hazard Assessment (OEHHA) has provided general guidelines for assessing health effects from toxic pollutants (OEHHA, 2003). The guidelines are designed to predict the upper-bound of limit estimates of risk in order to ensure public safety. The overall approach of this screening HRA follows the general guidelines.

2.1 AIR DISPERSION MODELING METHODOLOGY

2.1.1 Emissions Development

In the past, extraction wells were installed and operated to actively extract contaminates from the soil through below ground extraction systems. During the construction and operation of the golf course, the extraction wells will be allowed to passively vent into the atmosphere. As such, the flow of contaminant mass will be very small and will primarily be driven by the difference in pressure above and below ground.

In order to assess the impacts from these passive emittants, mass emissions are required to conduct exposure modeling. Mass emissions can be calculated from soil gas concentrations based upon the following formula:

$$ER = C \times F \times 0.001$$

Where,

ER = Emission rate (g/s)

C = Soil gas concentration (μg/l)

F = Exhaust volume flow rate (m3/s)

0.001 = Conversion factor for units (l-g/m3-µg)

g/s = grams per second

µg/l = micrograms per liter

l-g/m3-µg = liter-gram per cubic meter-microgram

There are two extraction wells (VW-1 and VW-2) in the SADD Lease – NP; each well has three measurement depths. The SADD Lease – SP has one well with two depths. The depths for each location (NP and SP) are provided in Table 1, along with the most recent soil gas concentration measurements. This evaluation assumes that each depth will vent independently through a 2-inch diameter pipe with an assumed exit velocity of 0.01 meters per second (m/s), a highly conservative velocity for passive systems. However, for modeling purposes, all vent piping will be bundled at one location for both the NP and SP, and a single point source will be used to model each location. Therefore, the soil gas concentrations at each depth for VW 1 and VW-2 will be averaged to define the soil gas concentration in the emissions development for the NP source. Similarly, all depths from VW-3 will be used to calculate the average soil gas for the SP source.

The most recent measurements were used to represent current and future soil gas estimates. For VW-1 and VW-2, the most recent measurements were conducted on 19 and 29 December 2005 and 9 January 2006. The most recent samples at VW-3 were taken on 8 August and 19 December 2005. Table 1 summarizes the data used to calculate the average soil gas concentrations for each model source.

For each sampling depth, the passive exhaust flow rate was based upon the piping parameters above, resulting in a flow of 0.00002 cubic meters per second (m^3/s). The overall flow rate of the bundled piping at the NP source would be six times the single contribution flow (two wells, three depths) or 0.000122 m^3/s. The overall exhaust flow rate for the SP source is 0.000041 m^3/s (one well, two depths). Based on the equation above, Table 2 summarizes the mass emissions for each modeling source and air toxic pollutant.

2.1.2 *Modeling Source Characteristics*

The HRA evaluated the potential for emissions from two sources, one located near the NP, the other at the SP. As stated earlier, the vents from

the passive vent wells will be combined at a central point, each vent having a diameter of 2 inches and an assumed exit velocity of 0.01 m/s. For the NP source, it is assumed a total of six vents will be located at the same location, including three levels from both VW-1 and VW-2. For the SP source, it is assumed there are two vents at the single location (two depths from VW-3). An effective diameter for each source was computed on the basis of the sum of the cross-sectional areas for the individual vents. Based upon the variation in the number of vents at each source, the NP source will have a larger diameter for modeling purposes. The vents are assumed to be elevated to approximately 12 feet above the ground surface. It is also assumed that the exit temperature is at ambient (293°K). A unit emission rate of 1 g/s was used to estimate normalized exposure concentrations. Table 3 summarizes the model source release characteristics associated with the two sources.

2.1.3 *Screening Exposure Model Selection and Use*

For the purposes of the preliminary screening HRA, the SCREEN3 model was utilized to assess maximum ground-level concentrations. This model has been approved by the U.S. Environmental Protection Agency (USEPA) and the California Air Resources Board (CARB) for use in assessing air quality impacts for regulatory purposes. The model calculates maximum 1-hour concentrations from single sources at specified receptor locations for selected hypothetical, worst-case meteorological conditions. Long-term exposure in this assessment was estimated by applying a 1-hour to annual peak-to-mean ratio of 0.1, as specified by CARB, to the 1-hour maximum concentration. This has been shown to be a conservatively high estimate of long-term impacts. Short-term exposure (1-hour) will be determined by the maximum 1-hour predicted concentration from all meteorological conditions.

The unit concentrations from the model were based upon a unit emission rate of 1 g/s. Actual concentrations for benzene, toluene, ethylbenzene, and xylenes (BTEX) were calculated by multiplying the normal concentrations by the actual compound emission rate, since the modeled concentrations have a linear relationship to input emission rates.

2.1.4 *Meteorological Data*

The full screening meteorology data set in the SCREEN3 model was used to predict maximum 1-hour concentrations. The full set includes hourly meteorological data that varies the wind speeds between 1 m/s to 20 m/s, for six different atmospheric stability classifications (A-being most

unstable through F-being most stable). The model assumes that the wind direction will blow directly from the source to each specific receptor location identified in the model run. The assumed ambient temperature is 293°K. The assumed mixing heights in the model are 320 meters for unstable through neutral conditions (Stability Classes A-D) and unlimited for stable atmosphere (Stability Classes E-F).

2.1.5 *Receptor Locations*

Four specific receptors were selected for analysis. These include: 1) the closest future residential location to the NP source; 2) the closest tee box to the NP source; 3) the closest future resident to the SP source; and the closest tee box to the SP source. It is assumed that the tee boxes will be the location where the highest likely exposure will be to both workers and guests. Since distances vary between the NP and SP sources with respect to the four sensitive receptor locations, eight distances were modeled, four relative to the NP source. Table 4 summarizes the receptor locations.

2.2 *EXPOSURE ANALYSIS METHODOLOGY*

In this assessment, exposure relates to the amount of contaminants inhaled that have the potential for health effects. Exposures can vary based upon downwind distance from a source, concentration, inhalation rates, and duration/frequency of the exposure conditions. For long-term residential risk exposure, OEHHA suggests a conservative estimate of 24 hours per day, 350 days per year, for a 70-year period. OEHHA also suggests that a residential inhalation rate of 302 liters per kilogram-day (l/kg-day) should be used.

The long-term exposure parameters for worker risk exposure were based upon modifications to the OEHHA's recommendation, due to the unique aspects of the workplace at the golf course. As recommended by OEHHA, the inhalation rate of 149 l/kg-day was used. In addition, the recommended values of 8 hours per day, 5 days per week and 49 weeks per year (a total of 245 days per year) were used with the modification that, over any given year, the worker is expected to be at each hole only 1/18 of the time (on an annual basis). Thus, the annual exposure is reduced by this fraction. Finally, the over worker exposure is assumed to be 40 years, as recommended by OEHHA.

There is no guidance on risk exposures for golfing guests. Therefore, as a conservative estimate, it was assumed that a golfer would play the course

once per week, 52 weeks per year for a period of 20 years. At any hole, the time spent for tee-off was assumed to be 15 minutes. This again is conservative over a long period, since the typical between holes are designed to be six minutes. Again, the worker-breathing rate of 149 l/kg-day was assumed (with the above adjustment of the 15 minute period over any 8-hour basis).

The maximum predicted annual average concentration for each compound was multiplied by the exposure factors to derive a daily intake of contaminant mass in milligrams of contaminant per kilogram of body mass per day (mg/kg-day).

For non-carcinogenic annual health effects, the maximum concentrations are multiplied by only the duration parameters to estimate the dosage concentration.

For non-carcinogenic acute health effects, the maximum predicted concentrations from each source only will be used. No adjustment factors will apply based upon the assumption that anyone could be at any location for a one-time, 1-hour period.

2.3 *RISK ANALYSIS METHODOLOGY*

For the estimation of carcinogenic risk and non-carcinogenic chronic and acute health effects, only BTEX is identified on the OEHHA air toxic list. Benzene has the potential for carcinogenic risk and chronic/acute health effects. Toluene and xylene have the potential for both chronic and acute non-carcinogenic health effects. Ethylbenzene is only identified for the potential of non-carcinogenic chronic health effects.

For carcinogenic risk, the cancer potency factor $(m/kg\text{-}day)^{-1}$ is multiplied by average daily dosage rate to estimate the maximum individual excess cancer risk. An increase in risk greater than one in one million (1.0E-06) is considered significant. As identified in the OEHHA guidelines, the cancer potency factor for benzene is 0.1 $(mg/kg\text{-}day)^{-1}$.

For non-carcinogenic health effects, a hazard quotient (HQ) was computed by dividing the maximum contaminant concentration by its reference exposure level (REL). The REL is the level for a given contaminant where adverse impacts have been observed or estimated, based upon an ample measure of safety. For chronic and acute effects, the REL will differ within each contaminant. As a conservative estimate, the

hazard index (HI) was then computed by summing all of the HQs for all pollutants, regardless whether the contaminants affect the same target organs. Chronic or acute HI greater than 1.0 is considered significant.

For chronic health effects, all four pollutants will be included in the analysis. For acute effects, only benzene, toluene, and xylenes contribute to the overall acute HI.

3.0 SCREENING RISK ASSESSMENT RESULTS

Overall the results of the preliminary screening HRA indicates that the carcinogenic risks and non-carcinogenic chronic and acute health effects are below recognized safe health levels. The remainder of this section discusses the results of the carcinogenic risk, the chronic non-carcinogenic health effects, and the acute non-carcinogenic health effects.

3.1 CARCINOGENIC RISK RESULTS

Table 6 summarizes the results of the carcinogenic risk analysis relative to potential risks to the future residences nearby, the on-site construction and maintenance workers, and the golfers on the course.

As seen in the Table 6, the maximum predicted carcinogenic risk from the venting of benzene is 9.4 in one billion (9.4E-09) excess cancer risk, occurring at the NP residential receptor. The venting from wells VW-1 and VW-2 would account for over 98 percent of the contribution to the risk. The risk at the NP residential location is higher than at the SP residential receptor (1.2 versus 1.1 in a billion) because of the larger amount of benzene emissions associated with the NP vents and the relative distances from the wells. The risk estimates are approximately more than two orders of magnitude below the OEHHA significance level of 1.0E-06 excess cancer risk. Therefore, the risk estimates are considered to have no significant impacts on the future residents living nearby.

Similar results are predicted for the workers and guests. The maximum predicted excess cancer risks for both the workers and guests occur at the NP tee location, and are driven by the NP source. The maximum predicted risks are 1.8E-09 and 5.9E-12 for the workers and guests, respectively. These range from 3 to 6 orders of magnitude below the OEHHA significance level, again showing that the venting would not affect the workers or guests of the course.

3.2 NON-CARCINOGENIC CHRONIC HEALTH EFFECTS

The maximum predicted non-carcinogenic chronic hazard indices showed results well below the 1.0 significance levels for all receptors and were similar to the cancer risks. Table 7 shows the chronic HIs for the residents, workers, and guests. The predicted values were highest with the

residents, followed by the worker, with the guests being least affected. However, all maximum concentrations were five orders of magnitude below the significance level, with the maximum residential being 1.5E-05 at the tee box nearest the NP source. The vents from VW-1 and VW-2 accounted for over 99 percent of the contribution. The maximum predicted chronic HI at the tee box nearest the SP source was also extremely low with a value of 1.1E-05. The maximum predicted chronic HIs for the worker and guest exposure were correspondingly low with values of 3.4E-06 and 2.2E-08.

3.3 NON-CARCINOGENIC ACUTE HEALTH EFFECTS

The location of the maximum non-carcinogenic acute hazard indices was identical to the locations for the chronic health effects, all at the NP receptor location for residents, workers, and guests. As with the chronic effects, the maximum predicted acute HIs were all more than five orders of magnitude below the significance level of 1.0, with the maximum impact predicted for the residential location near the NP source (4.3E-06). The impacts were very comparable for the worker and guest exposure, both having a 4.3E-06 HI. This is expected because of the identical exposure duration for this analysis (all were assumed to be exposed for the full hour). Table 8 presents the summary results for the non-carcinogenic acute health impacts.

4.0 CONCLUSIONS

The preliminary HRA has been conducted to present the likely upper limit of carcinogenic risk and non-carcinogenic chronic and acute health effects from the passive venting of the soil-gas wells at the SADD Lease - NP and SADD Lease - SP areas on the future residents, workers, and guests of the proposed Los Valles Golf Course. Based upon the results of the analysis, the maximum predicted individual excess carcinogenic risks at all modeled locations will be well below the OEHHA recommended significance level.

Correspondingly, the non-carcinogenic chronic and acute hazard indices predicted in this analysis have also been shown to be orders of magnitude below the OEHHA recommended significance level. As such, the passive venting of the soil gas wells in the SADD Lease - NP and SP are not predicted to cause any significant health risk to future residents, workers, or guests during the construction or operation of the proposed golf course.

5.0 REFERENCES

ERM.. May 2004. *Remedial Action Plan.*

OEHHA. 2003. *Air Toxics Hot Spots Program Risk Assessment Guidelines: The Air Toxics Hot Spots Program Guidelines Manual for the Preparation of Health Risk Assessments.*

Figures

CAD File:	Drawn By:	Date:	Project No.
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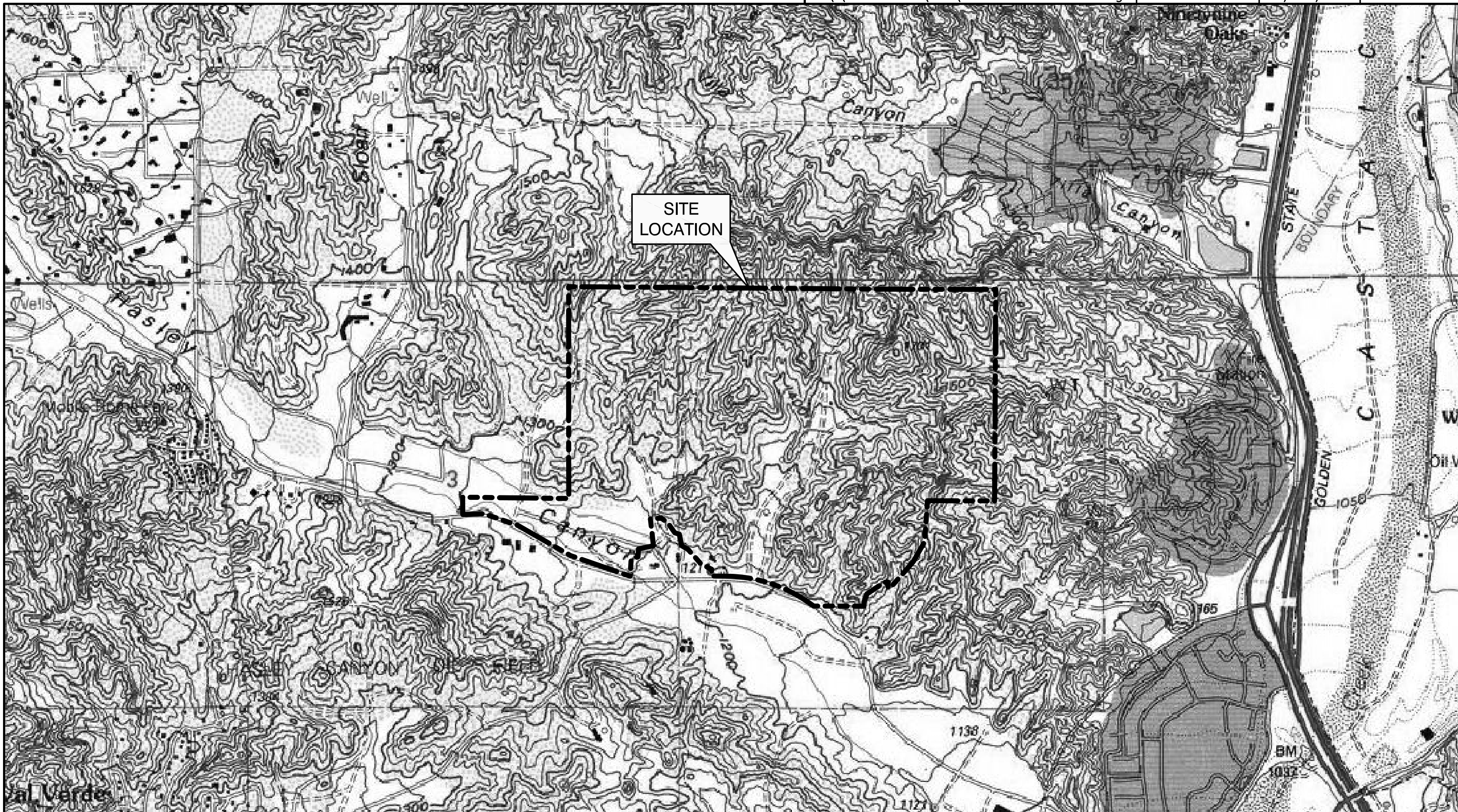

References:
Seamless U.S.G.S. 7.5 Minute Topographic Series
Map created with TOPO!® © 2001
National Geographic Holdings

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0 900' 1800' 3600'
SCALE IN FEET

Figure 1
Site Location Map
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM *02/06*

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Drawn By: C. Tallada

Date: 02/13/06

Project No. 0021456.40

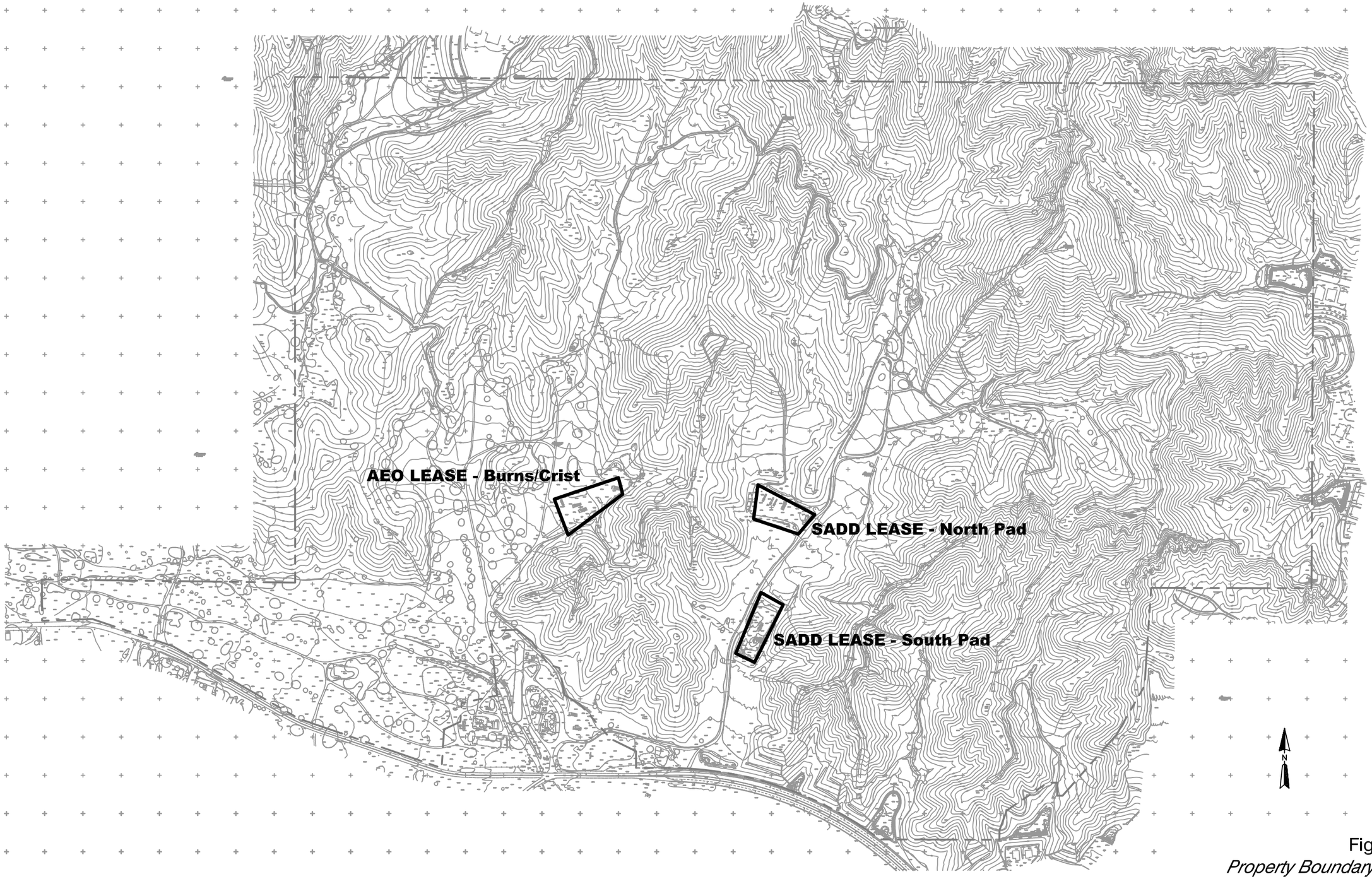

Figure 2
Property Boundary Map
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 02/06

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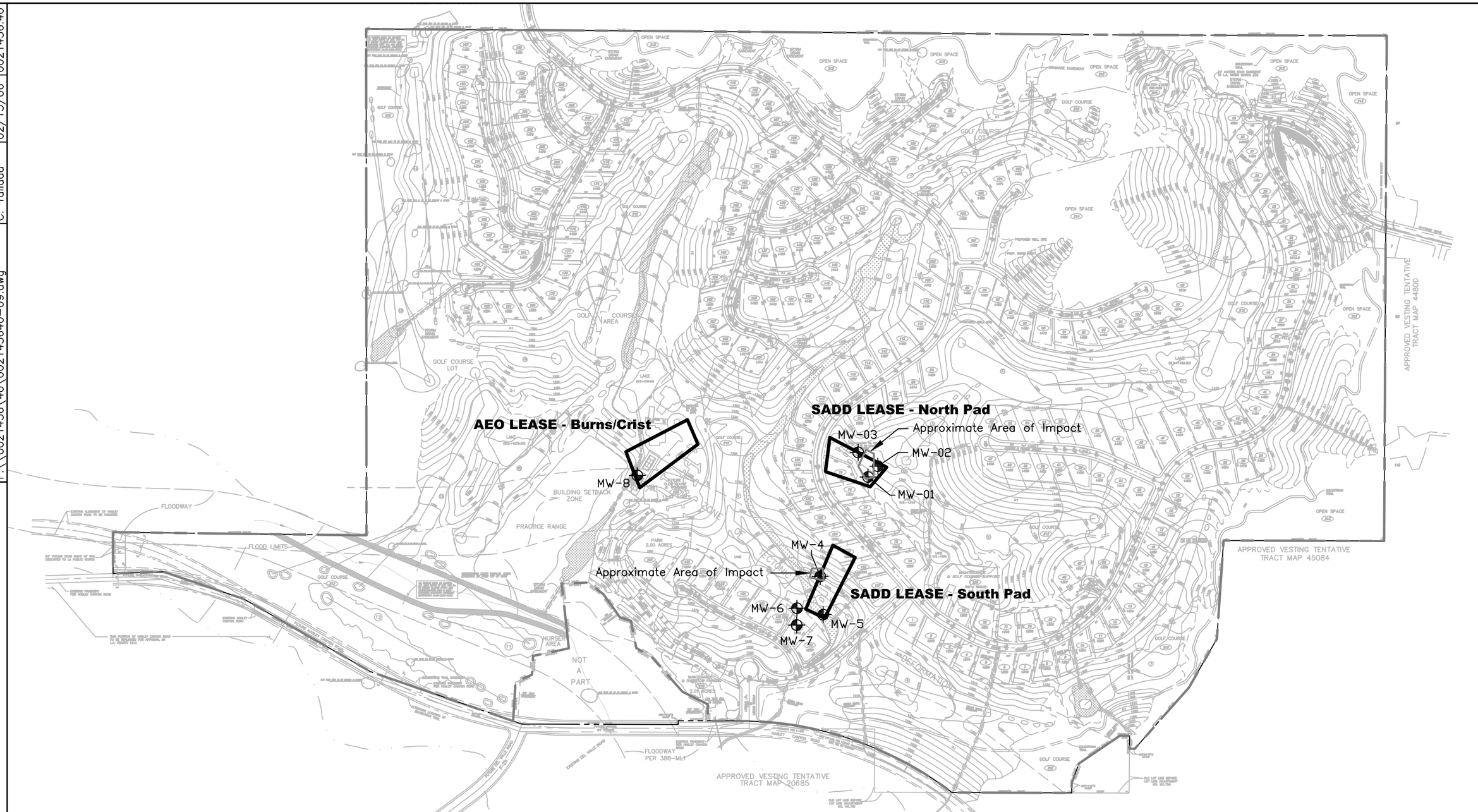

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Figure 3
Proposed Land Use
Los Valles Land & Golf, LLC
Los Angeles County, California

ERM 02/06

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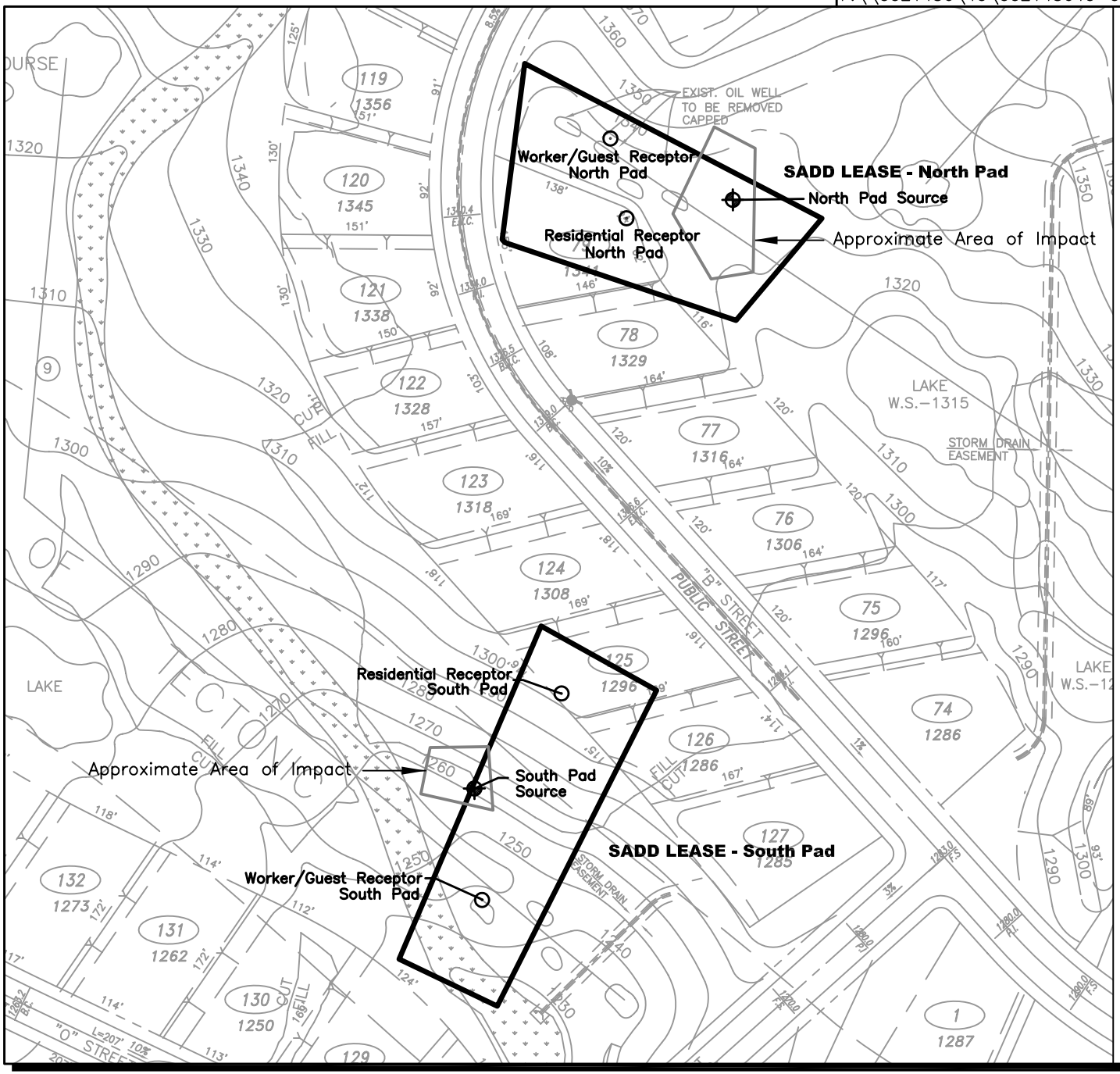

LEGEND

Location of Source

Potential Receptor Location

N

0 75' 150' 300'

SCALE IN FEET

Figure 4

Source Receptor Map

Los Valles Land & Golf, LLC

Los Angeles County, California

ERM *02/06*

Tables

Table 1 *Discreet Soil Vapor Sample Results*
North and South SADD Parcels
Los Valles Land & Golf, LLC
Santa Clarita, California

Well ID	Sample Depth	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
North SADD Parcel						
VW-1	*10 - 30 ft*	12/19/05	< 0.01	0.01	0.01	0.04
		12/29/05	< 0.01	< 0.01	< 0.01	0.02
		01/09/06	< 0.01	< 0.01	0.01	0.0
	Average		**< 0.006**	**< 0.009**	**0.008**	**0.035**
	35 - 55 ft	12/19/05	0.8	4.2	2.7	6.7
		12/29/05	1.7	6.5	4.1	11.9
		01/09/06	2.8	8.4	4.2	14.5
	Average		**1.766**	**6.351**	**3.644**	**11.019**
	60 - 80 ft	12/19/05	1.3	1.6	1.3	8.6
		12/29/05	1.3	2.2	2.5	14.0
		01/09/06	2.1	1.3	1.0	6.7
	Average		**1.572**	**1.715**	**1.580**	**9.805**
VW-2	*10 - 30 ft*	12/19/05	1.0	2.0	1.3	5.3
		12/29/05	1.3	1.9	0.8	3.8
		01/09/06	0.9	1.4	0.6	2.5
	Average		**1.077**	**1.765**	**0.907**	**3.893**
	35 - 55 ft	12/19/05	5.8	36.2	17.1	61.9
		12/29/05	2.4	8.8	3.7	29.4
		01/09/06	2.6	25.5	11.4	88.7
	Average		**3.575**	**23.497**	**10.756**	**60.000**
	60 - 80 ft	12/19/05	2.2	9.5	11.0	30.3
		12/29/05	3.6	23.2	24.6	55.3
		01/09/06	6.1	34.3	17.6	40.0
	Average		**3.974**	**22.354**	**17.707**	**41.853**
VW1 and VW-2 Overall Average			***2.0***	***9.3***	***5.8***	***21.1***
South SADD Parcel						
VW-3	*10 - 30 ft*	08/24/04	0.0	0.0	0.0	0.0
		12/19/05	<0.01	<0.01	<0.01	0.0
	Average		**0.006**	**0.007**	**0.008**	**0.016**
	35 - 55 ft	08/24/04	0.4	0.1	0.3	1.6
		12/19/05	<0.02	<0.02	0.1	0.4
	Average		**0.219**	**0.081**	**0.195**	**0.992**
VW-3 Overall Average			*0.112*	*0.044*	*0.102*	*0.504*

Notes:

< = The constituent was not detected above the specified reporting limit.

Shaded values are from samples collected under static conditions (i.e., while SVE system is not operating)

Table 2 ***Estimated Air Toxic Emission Rates for the North and South SADD Parcels Los Valles Land & Golf, LLC Santa Clarita, California***

Well ID	Total Exhaust Flow Rate (m^3/s)	Benzene (g/s)	Toluene (g/s)	Ethylbenzene (g/s)	Total Xylenes (g/s)
North SADD Parcel					
VW-1 and VW-2	0.000122	2.426E-07	1.129E-06	7.013E-07	2.566E-06
South SADD Parcel					
VW-3	0.000041	4.551E-09	1.776E-09	4.120E-09	2.043E-08

Notes:

Total exhaust flow for VW-1 and VW-2 assumes the sum of 6 equal exhaust vents from three depths from each of the two wells. The total exhaust flow for VW-3 assumes the sum of 2 equal exhaust vents from the well. Each exhaust vent assumes an exit velocity of 0.1 m/s and a diameter of 2 inches.

Table 3 *Model Stack Parameters for Exhaust Vents at the North and South SADD Parcels Los Valles Land & Golf, LLC Santa Clarita, California*

Source ID	X-Coordinate Location (meters)	Y-Coordinate Location (meters)	Stack Height (meters)	Exit Temperature (^{o}K)	Exit Velocity (meters/second)	Stack Diameter (meters)	Unit Emission Rate (grams/second)
North SADD Parcel							
VW-1 and VW-2	0.0	0.0	3.66	293.0	0.01	0.124	1.0
South SADD Parcel							
VW-3	0.0	0.0	3.66	293.0	0.01	0.072	1.0

Notes:

The stack diameter for the combined VW-1 and VW-2 well exhaust, assumed to be discharged from a single point source, is based on an effective diameter calculated from a cross-sectional area equivilent to the area of 6 individual 2-inch diameter cross-sectional areas. The stack diameter for the VW-3 well exhaust is based upon the area of 2 individual 2-inch diameter cross-sectional areas. These represent the individual exhaust vents from the various depths at each well location.

Table 4 ***Model Receptor Locations***
For the North and South SADD Parcels
Los Valles Land & Golf, LLC
Santa Clarita, California

Receptor ID	*Model Coordinates relative to North Sources*			*Model Coordinates relative to South Sources*		
	X-Coordinate Location (meters)	**Y-Coordinate Location (meters)**	**Distance From North Source (meters)**	**X-Coordinate Location (meters)**	**Y-Coordinate Location (meters)**	**Distance From South Source (meters)**
North SADD Parcel						
Residential	32.0	0.0	32.0	179.9	0.0	179.9
Worker/Guest	41.8	0.0	41.8	202.4	0.0	202.4
South SADD Parcel						
Residential	159.3	0.0	159.3	39.2	0.0	39.2
Worker/Guest	226.7	0.0	226.7	34.0	0.0	34.0

Notes:

The stack diameter for the combined VW-1 and VW-2 well exhaust, assumed to be discharged from a single point source, is based on an effective diameter calculated from calculated from a cross-sectional area equivilent to the area of 6 individual 2-inch diameter cross-sectional areas. The stack diameter for the VW-3 well exhaus for the VW-3 well exhaust is based upon the area of 2 individual 2-inch diameter cross-sectional areas. These represent the individual exhaust vents from the va exhaust vents from the various depths at each well location.

Table 5 *Cancer Potency Factors and Reference Exposure Levels For the North and South SADD Parcels Los Valles Land & Golf, LLC Santa Clarita, California*

Contaminant	Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$	Chronic REL ($\mu g/m^3$)	Acute REL (ug/m^3)
Benzene	0.1	60	1300
Toluene	N/A	300	37000
Ethylbenzene	N/A	2000	N/A
Xylenes	N/A	700	22000

Notes:

Cancer Potency Factors and Chronic RELs, and Acute RELs provided by the Office of Environmental Health Hazard Assessment (OEHHA, 2003)

Table 6 *Predicted Residential and Worker/Guest Carcinogenic Risks*
For the North and South SADD Parcels
Los Valles Land & Golf, LLC
Santa Clarita, California

Source ID	Modeled Concentration ($\mu g/m^3/g/s$)[1]	Benzene Emission Rate (g/s)	Modeled Benzene Concentration ($\mu g/m^3$)	Exposure Factor (m^3-mg/µg-kg-day)	Average Daily Intake Benzene (mg/kg-day)	Benzene Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$	Carcinogenic Risk
Residential Risk							
North SADD Parcel							
Residential Receptor							
VW-1 and VW-2	1.273E+03	2.426E-07	3.088E-04	3.020E-04	9.327E-08	1.00E-01	9.3E-09
VW-3	7.936E+02	4.551E-09	3.611E-06	3.020E-04	1.091E-09	1.00E-01	1.1E-10
Combined							***9.4E-09***
South SADD Parcel							
Residential Receptor							
VW-1 and VW-2	9.349E+02	2.426E-07	2.268E-04	3.020E-04	6.850E-08	1.00E-01	6.8E-09
VW-3	1.108E+03	4.551E-09	5.042E-06	3.020E-04	1.523E-09	1.00E-01	1.5E-10
Combined							***7.0E-09***
Worker Risk							
North SADD Parcel							
Worker Receptor							
VW-1 and VW-2	1.276E+03	2.426E-07	3.096E-04	5.715E-05	1.769E-08	1.00E-01	1.8E-09
VW-3	6.961E+02	4.551E-09	3.168E-06	5.715E-05	1.810E-10	1.00E-01	1.8E-11
Combined							***1.8E-09***
South SADD Parcel							
Worker Receptor							
VW-1 and VW-2	6.227E+02	2.426E-07	1.511E-04	5.715E-05	8.634E-09	1.00E-01	8.6E-10
VW-3	1.156E+03	4.551E-09	5.261E-06	5.715E-05	3.006E-10	1.00E-01	3.0E-11
Combined							***8.9E-10***
Guest Risk							
North SADD Parcel							
Guest Receptor							
VW-1 and VW-2	1.276E+03	2.426E-07	3.096E-04	1.895E-07	5.867E-11	1.00E-01	5.9E-12
VW-3	6.961E+02	4.551E-09	3.168E-06	1.895E-07	6.004E-13	1.00E-01	6.0E-14
Combined							***5.9E-12***
South SADD Parcel							
Guest Receptor							
VW-1 and VW-2	6.227E+02	2.426E-07	1.511E-04	1.895E-07	2.863E-11	1.00E-01	2.9E-12
VW-3	1.156E+03	4.551E-09	5.261E-06	1.895E-07	9.970E-13	1.00E-01	1.0E-13
Combined							***3.0E-12***

[1] For estimating annual average concentrations, a peak to mean ratio of 0.1 was applied to the 1-hour conentrations within annual period to account for persistence.

Table 7 *Predicted Residential and Worker/Guest Chronic Hazard Index*
For the North and South SADD Parcels
Los Valles Land & Golf, LLC
Santa Clarita, California

Source ID	Modeled Concentration ($ug/m^3/g/s$)[1]	Benzene Emission Rate (g/s)	Toluene Emission Rate (g/s)	Ethylbenzene Emission Rate (g/s)	Total Xylenes Emission Rate (g/s)	Hazard Index
Residential Risk						
North SADD Parcel						
Residential Receptor						
VW-1 and VW-2	1.27300E+03	2.426E-07	1.129E-06	7.013E-07	2.566E-06	1.443E-05
VW-3	7.93600E+02	4.551E-09	1.776E-09	4.120E-09	2.043E-08	8.600E-08
Combined						***1.5E-05***
South SADD Parcel						
Residential Receptor						
VW-1 and VW-2	9.34900E+02	2.426E-07	1.129E-06	7.013E-07	2.566E-06	1.060E-05
VW-3	1.10800E+03	4.551E-09	1.776E-09	4.120E-09	2.043E-08	1.201E-07
Combined						***1.1E-05***
Worker Risk						
North SADD Parcel						
Worker Receptor						
VW-1 and VW-2	1.276E+03	2.426E-07	1.129E-06	7.013E-07	2.566E-06	3.375E-06
VW-3	6.961E+02	4.551E-09	1.776E-09	4.120E-09	2.043E-08	1.760E-08
Combined						***3.4E-06***
South SADD Parcel						
Worker Receptor						
VW-1 and VW-2	6.227E+02	2.426E-07	1.129E-06	7.013E-07	2.566E-06	1.647E-06
VW-3	1.156E+03	4.551E-09	1.776E-09	4.120E-09	2.043E-08	2.923E-08
Combined						***1.7E-06***
Guest Risk						
North SADD Parcel						
Guest Receptor						
VW-1 and VW-2	1.276E+03	2.426E-07	1.129E-06	7.013E-07	2.566E-06	2.149E-08
VW-3	6.961E+02	4.551E-09	1.776E-09	4.120E-09	2.043E-08	1.121E-10
Combined						***2.2E-08***
South SADD Parcel						
Guest Receptor						
VW-1 and VW-2	6.227E+02	2.426E-07	1.129E-06	7.013E-07	2.566E-06	1.049E-08
VW-3	1.156E+03	4.551E-09	1.776E-09	4.120E-09	2.043E-08	1.861E-10
Combined						***1.1E-08***

[1] For estimating annual average concentrations, a peak to mean ratio of 0.1 was applied to the 1-hour to account for persistence within annual period.

Exposure Refernece Levels (µg/m3):

Benzene	60
Toluene	300
Ethylbenzene	2000
Total Xylenes	700

Table 8 ***Predicted Residential and Worker/Guest Acute Hazard Index For the North and South SADD Parcels Los Valles Land & Golf, LLC Santa Clarita, California***

Source ID	Modeled Concentration (µg/m³/g/s)	Benzene Emission Rate (g/s)	Toluene Emission Rate (g/s)	Total Xylenes Emission Rate (g/s)	Acute Hazard Index
Residential Risk					
North SADD Parcel					
Residential Receptor					
VW-1 and VW-2	1.273E+04	2.426E-07	1.129E-06	2.566E-06	4.249E-06
VW-3	7.936E+03	4.551E-09	1.776E-09	2.043E-08	3.553E-08
Combined					***4.3E-06***
South SADD Parcel					
Residential Receptor					
VW-1 and VW-2	9.349E+03	2.426E-07	1.129E-06	2.566E-06	3.120E-06
VW-3	1.108E+04	4.551E-09	1.776E-09	2.043E-08	4.961E-08
Combined					***3.2E-06***
Worker Risk					
North SADD Parcel					
Worker Receptor					
VW-1 and VW-2	1.276E+04	2.426E-07	1.129E-06	2.566E-06	4.259E-06
VW-3	6.961E+03	4.551E-09	1.776E-09	2.043E-08	3.117E-08
Combined					***4.3E-06***
South SADD Parcel					
Worker Receptor					
VW-1 and VW-2	6.227E+03	2.426E-07	1.129E-06	2.566E-06	2.078E-06
VW-3	1.156E+04	4.551E-09	1.776E-09	2.043E-08	5.176E-08
Combined					***2.1E-06***
Guest Risk					
North SADD Parcel					
Guest Receptor					
VW-1 and VW-2	1.276E+04	2.426E-07	1.129E-06	2.566E-06	4.259E-06
VW-3	6.961E+03	4.551E-09	1.776E-09	2.043E-08	3.117E-08
Combined					***4.3E-06***
South SADD Parcel					
Guest Receptor					
VW-1 and VW-2	6.227E+03	2.426E-07	1.129E-06	2.566E-06	2.078E-06
VW-3	1.156E+04	4.551E-09	1.776E-09	2.043E-08	5.176E-08
Combined					***2.1E-06***

Exposure Reference Levels (µg/m³):

Benzene	1.30E+03
Toluene	3.70E+04
Total Xylenes	2.20E+04

Appendix A

SCREEN3 Modeling Output Files

02/16/06
13:21:10

```
 ***  SCREEN3 MODEL RUN  ***
 *** VERSION DATED 96043 ***

Los Valles North Source Impacts

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE            =        POINT
   EMISSION RATE (G/S)    =      1.00000
   STACK HEIGHT (M)       =       3.6600
   STK INSIDE DIAM (M)    =        .1240
   STK EXIT VELOCITY (M/S)=        .0100
   STK GAS EXIT TEMP (K)  =     293.0000
   AMBIENT AIR TEMP (K)   =     293.0000
   RECEPTOR HEIGHT (M)    =        .0000
   URBAN/RURAL OPTION     =        RURAL
   BUILDING HEIGHT (M)    =        .0000
   MIN HORIZ BLDG DIM (M) =        .0000
   MAX HORIZ BLDG DIM (M) =        .0000

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

BUOY. FLUX =     .000 M**4/S**3;  MOM. FLUX =     .000 M**4/S**2.

*** FULL METEOROLOGY ***

**********************************
*** SCREEN DISCRETE DISTANCES ***
**********************************

*** TERRAIN HEIGHT OF    0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***
```

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
32.	.1273E+05	3	1.0	1.0	320.0	3.29	4.33	2.62	NO
42.	.1276E+05	4	1.0	1.0	320.0	3.29	3.65	2.18	NO
159.	9349.	6	1.0	1.0	10000.0	3.29	6.26	3.40	NO
227.	6227.	6	1.0	1.0	10000.0	3.29	8.68	4.52	NO

```
 DWASH=   MEANS NO CALC MADE (CONC = 0.0)
 DWASH=NO MEANS NO BUILDING DOWNWASH USED
 DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
 DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
 DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

     ***************************************
     *** SUMMARY OF SCREEN MODEL RESULTS ***
     ***************************************
```

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
SIMPLE TERRAIN	.1276E+05	42.	0.

```
***************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
***************************************************
```

02/16/06
13:26:06

```
 ***  SCREEN3 MODEL RUN  ***
 *** VERSION DATED 96043 ***

Los Valles South Source Impacts

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE            =        POINT
   EMISSION RATE (G/S)    =      1.00000
   STACK HEIGHT (M)       =       3.6600
   STK INSIDE DIAM (M)    =        .0720
   STK EXIT VELOCITY (M/S)=        .0100
   STK GAS EXIT TEMP (K)  =     293.0000
   AMBIENT AIR TEMP (K)   =     293.0000
   RECEPTOR HEIGHT (M)    =        .0000
   URBAN/RURAL OPTION     =        RURAL
   BUILDING HEIGHT (M)    =        .0000
   MIN HORIZ BLDG DIM (M) =        .0000
   MAX HORIZ BLDG DIM (M) =        .0000

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.


BUOY. FLUX =     .000 M**4/S**3;  MOM. FLUX =     .000 M**4/S**2.

*** FULL METEOROLOGY ***

**********************************
*** SCREEN DISCRETE DISTANCES ***
**********************************

*** TERRAIN HEIGHT OF    0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

  DIST     CONC             U10M   USTK  MIX HT   PLUME   SIGMA   SIGMA
   (M)   (UG/M**3)   STAB  (M/S)  (M/S)    (M)   HT (M)   Y (M)   Z (M)  DWASH
-------  ----------  ----  -----  -----  ------  ------  ------  ------  -----
   180.   7936.        6     1.0    1.0 10000.0    3.45    7.01    3.75    NO
   202.   6961.        6     1.0    1.0 10000.0    3.45    7.81    4.13    NO
    39.   .1108E+05    4     1.0    1.0   320.0    3.45    3.44    2.06    NO
    34.   .1156E+05    3     1.0    1.0   320.0    3.45    4.59    2.77    NO

 DWASH=   MEANS NO CALC MADE (CONC = 0.0)
 DWASH=NO MEANS NO BUILDING DOWNWASH USED
 DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
 DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
 DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

     ***************************************
     *** SUMMARY OF SCREEN MODEL RESULTS ***
     ***************************************

 CALCULATION        MAX CONC    DIST TO   TERRAIN
  PROCEDURE        (UG/M**3)    MAX (M)    HT (M)
--------------    -----------   -------   -------
SIMPLE TERRAIN      .1156E+05       34.        0.


***************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
***************************************************
```

APPENDIX 5.8-12

Site Summary Report Errata, March 2009

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1.0 INTRODUCTION

On behalf of Los Valles Land & Golf, LLC (Los Valles), ERM-West, Inc., (ERM) has prepared this summary report for the Los Valles site in Castaic, California. The Los Angeles County Fire Department (LACFD), as the lead agency for this site, requested that Los Valles submit this summary report.

This report summarizes investigation and remediation activities conducted at the Los Valles site to date. These activities have addressed the bulk of the impacted surface and subsurface contamination at the site. As such, Los Valles is submitting this report to request a transition from active soil venting operations to passive soil venting at the site, thus allowing the site to be redeveloped unimpeded.

Since early 2003, Los Valles has completed the following tasks to evaluate and address impacted materials at the Site:

- Abandonment and closure of oil wells;
- Phase I environmental site assessment (ESA);
- Limited Phase II site investigation;
- Pipeline removal;
- Investigation of subsurface petroleum hydrocarbon impacts;
- Development of a remedial approach;
- Excavation and off-site disposal of shallow impacted soil;
- Installation and operation of an active soil venting system (i.e., soil vapor extraction and treatment system);
- Groundwater monitoring; and
- Evaluation of current potential health risks related to residual impacted soil.

This report is organized as follows:

- Section 2.0 describes site characteristics, background, and proposed land use;
- Section 3.0 discusses previous investigation activities;

- Section 4.0 presents the remediation approach and activities completed;
- Section 5.0 summarizes the health risk assessment;
- Section 6.0 presents conclusions and recommendations; and
- Section 7.0 provides references.

2.0 SITE BACKGROUND

2.1 GENERAL SITE DESCRIPTION AND HISTORY

The 432-acre site is located along the north flank of Hasley Canyon, approximately 3 miles northwest of the city of Santa Clarita and east of Sloan Canyon, in the Castaic Hills area of the western San Gabriel Mountains. Figure 1 shows the site location.

The site is largely undeveloped, but contains a number of graded dirt roads and three approximately one-acre graded areas (pads) that were historically used to support oil production activities. A total of ten oil wells previously operated on the pads. The oil production wells, installed in the 1970s or 1980s, were closed and properly abandoned in April 2003. The California Department of Oil and Gas (D.O.G.) reviewed closure reports and issued written approval for the well closures.

Previous oil production activities resulted in potential environmental impacts at these three areas. The three former production areas, as shown on Figure 2, are referred to as:

1. AEO Lease – Burns/Crist (AEO Pad);
2. SADD Lease – North Pad; and
3. SADD Lease - South Pad.

2.2 SURFACE DRAINAGE, GEOLOGY, AND HYDROGEOLOGY

Four small canyons drain southward across the Site into the Hasley Canyon Wash, then into Castaic Creek to the east, and finally into the Santa Clara River. The tributary streams are incised into the alluvium indicating fairly recent rejuvenation. All of the streams on the property, including Hasley Canyon Wash, are seasonally intermittent.

Recent-age alluvium is present within the canyons. The Saugus Formation outcrops along the ridges and underlays the alluvium in the canyons throughout the general area of the Site. Groundwater is extracted from the Saugus Formation and used for a variety of purposes in the Santa Clarita area. It is estimated that the Saugus Formation stores approximately 1 million acre-feet of water, and that it has historically

supplied between 7,500 and 15,000 acre-feet of water annually. An additional 10,000 to 20,000 acre-feet of water per year will be extracted from the Saugus Formation through new wells to support planned development activities in the area. Although groundwater is present at the Site at depths of approximately 50 to 100 feet below ground surface (bgs), usable groundwater has reportedly been extracted from much greater depths (approximately 3,000 feet bgs).

Other water supply sources in the Santa Clarita area include the alluvial aquifer associated with the Santa Clarita River (located 2 miles east of the Site) and water imported from the State Water Project. As of 1999, The Los Angeles County Waterworks District No. 36 provided imported water to approximately 827 connections in the Hasley Canyon and Val Verde areas.

2.3 PROPOSED LAND USE

Los Valles Land & Golf, LLC, is in the process of developing the Site as a residential and recreational mixed-use development consisting of single-family custom luxury homes and a championship golf course. The development plan is shown on Figure 3. As presented on Figure 3, no homes are proposed above the areas containing impacted soil. The land directly above the impacted areas will be used for the planned golf course.

3.0 SUMMARY OF INVESTIGATION ACTIVITIES

This section presents a summary of relevant environmental activities performed. Two main phases of investigation occurred at the site:

- Phase I ESA, limited Phase II site investigation, and pipeline removal; and
- Evaluation of subsurface petroleum hydrocarbon impacts.

3.1 PHASE I ENVIRONMENTAL SITE ASSESSMENT, LIMITED PHASE II SITE INVESTIGATION, AND PIPELINE REMOVAL

A Phase I ESA, limited Phase II site investigation, and pipeline removal were conducted at the site by California Environmental Geologist and Engineers, Inc. (CEGE) prior to December 2003. Following closure and sign off by D.O.G., CEGE was retained by Ervin, Cohen & Jessup (a law firm) on behalf of its client Hasley Canyon Land Company, LLC, to remove certain subsurface pipelines and further investigate and document site conditions. Stained and odorous soil was discovered when CEGE removed the pipelines at the SADD lease pads in June and July of 2003. Subsequent subsurface investigations by CEGE revealed three distinct areas of soil contaminated with petroleum hydrocarbons (reported as unrefined crude and a diluent product), ranging from depths of 10 bgs to 90 feet bgs and in concentration from below analytical detection limits to 24,000 milligrams per kilogram (mg/kg) total petroleum hydrocarbons (TPH). Lower concentrations of benzene, toluene, ethylbenzene, and xylenes were also observed. A single groundwater grab sample was collected at 100 feet below grade. The benzene concentration was reported to be 43 micrograms per liter (µg/L) and low levels of gasoline-range hydrocarbons were detected in soils at this location.

3.2 EVALUATION OF SUBSURFACE PETROLEUM HYDROCARBON IMPACTS

Based on the results obtained by CEGE, Los Valles retained ERM to further evaluate the nature and extent of the potentially impacted soil and groundwater. ERM performed subsequent soil, soil gas, and groundwater investigations. In addition, pipeline removal activities associated with the

former production areas at the former AEO Lease Pad were also performed. These activities are discussed separately below.

3.2.1 *Abandoned Pipeline Removal*

Starting on 17 December 2003, CEGE removed pipelines within the project site, all of which were located within the AEO Lease Pad area and along the road leading towards the active off-site oil production facility north of Hasley Canyon Road. ERM was present at the Site during a majority of CEGE's field activities to observe and document any staining associated with the excavations.

Staining was observed at two locations within the AEO Lease Pad Area, one in the southwest corner on the pad and the other approximately 90 feet west of the first location. No stained areas were observed outside of the AEO Lease Pad area during pipeline removal activities. All pipelines were removed except for approximately 100 feet near the southern property boundary of the Site, which was not removed because other utilities reportedly crossed the pipeline in this area and, therefore, the safe removal of the pipeline was not feasible.

To confirm that the pipeline did not impact underlying soils along the southern property boundary, soil vapor samples were collected on 12 February 2004 near the site perimeter at the former pipeline location. Figure 4 shows the extent of the removed pipeline and locations of the soil vapor samples.

3.2.2 *Trenching Operations*

On 21 January 2004, three exploratory trenches were excavated to remove stained soil observed during the pipeline removal activities at the AEO Lease Pad area. A backhoe was used to excavate three trenches (designated as Trench 1, 2, and 3) to depths of approximately 15 feet, 5.2 feet, and 14.5 feet, respectively. Figure 5 shows the soil boring locations and trench areas at the AEO Lease Pad area. Stained soil removed during these efforts was stockpiled on site, wrapped in visqueen, and subsequently disposed of off site.

3.2.3 *Soil Vapor Monitoring*

A total of 74 soil vapor samples were collected at 30 different locations as follows:

- AEO Lease – Burns/Crist – Nine samples were collected from three locations at depths of 5 to 20 feet bgs (Figure 4);
- SADD Lease-North Pad – Twenty-seven samples were collected from ten locations, at depths of 5 to 20 feet bgs, as shown on Figure 6; and
- SADD Lease-South Pad – Twenty-two samples were collected from eight locations, at depths of 5 to 20 feet bgs, as shown on Figure 7.
- Adjacent to the off-site active oil production area - Sixteen samples were collected from eight locations at depths of 10 to 20 feet bgs, as shown on Figure 8.

Samples selected for laboratory analysis were analyzed by H&P Mobile Geochemistry or Del Mar Analytical for one or more of the following constituents:

- Volatile organic compounds (VOCs) in accordance with United States Environmental Protection Agency (USEPA) Method 8260;
- Methane, fixed gases, and hydrogen sulfide, in accordance with American Standard Testing Methods Method 1945-96 and methane by USEPA Method 8015M;
- Total Petroleum Hydrocarbons as gasoline by USEPA Method 8015M;
- Methane, carbon dioxide, oxygen, and barometric pressure measure by Landtech, Model 6EM2000; and
- Hydrogen sulfide measured by Jerome, Model 631-X.

In addition, 11 surface soil samples were collected (eight samples at the SADD Lease pads, two samples of an unknown tar-like material, and a background sample as shown on Figure 9. Finally, 23 soil borings were drilled to collect soil samples from the SADD Lease pads and the AEO Lease Pad. Figures 10 and 11 show the locations of all soil borings.

3.2.4 *Groundwater Monitoring*

Figure 12 shows a total of eight ground water monitoring wells that were installed at the three pads:

- AEO Lease–Burns/Crist – One monitoring well installed on the pad area.
- SADD Lease-North Pad – Three monitoring wells installed on the pad area; and

- SADD Lease-South Pad – Two monitoring wells installed on the pad area, and two wells west of the south pad area.

3.2.5 *Results*

The results of these activities indicated the following:

- Chemical analyses conducted on numerous soil and groundwater samples did not detect the presence of any chemicals of concern (COCs) other than those typically associated with petroleum hydrocarbons.
- The petroleum hydrocarbons present at the Site contain a relatively low volatile content, and occur at or near the three former production areas.
- Following targeted soil excavation, remaining soil impacts at the AEO Lease–Pad are minimal and do not warrant additional remedial actions.
- Limited soil impacts at both the SADD Lease–North and South Pads warrant additional remedial actions.
- No contaminants were detected above their Maximum Contaminant Level or USEPA Region IX Tap Water Preliminary Remediation Goals (PRGs) in the groundwater samples.

The sampling results for the contaminants mentioned above are summarized in Tables 1 through 5. Also, a detailed discussion of the investigation results, sample locations, and sampling methods is presented in the *Evaluation of Subsurface Petroleum Hydrocarbon Impacts-Former Oil Production Pad Areas* (ERM, 2004a).

4.0 *REMEDIAL APPROACH AND ACTIVITIES*

This section presents a summary of relevant remedial activities performed at the site. These activities include:

- Development of a Remedial Action Plan (RAP);
- Soil excavation and pipeline removal;
- Groundwater monitoring; and
- Active soil venting and treatment.

4.1 *REMEDIAL ACTION PLAN*

A RAP (ERM, 2004c) was prepared (and approved by the LACFD) to propose remedial activities designed to address impacted soil present at the site. The overall objective of the remediation program was to eliminate potential exposure to COCs.

Potential exposure pathways of COCs, based on proposed land use, included ingestion of impacted soil and groundwater, direct contact with impacted soil, and inhalation of impacted air. A combination of concentration and performance-based criteria was used to determine when remediation activities would be complete, such as:

- Mass removal;
- Asymptotic recovery during best available technology application; and
- Risk reduction/elimination.

Preliminary clean-up levels were developed to provide conservative baseline target objectives for VOCs. Factors may be modified based on subsequent monitoring of performance-based criteria during active remedial implementation. Clean-up levels were calculated for benzene, toluene, ethylbenzene and xylenes (BTEX). These calculations are presented in Appendix A (Tables A1-A8). Figures 13 and 14 provide analytical results for soil sampling from previous investigations (to May 2004); those results that are shaded exceeded the preliminary clean-up levels calculated for BTEX.

To achieve the RAP objectives, a set of interrelated remediation activities was proposed, including excavation, active soil venting, passive soil

venting, and groundwater monitoring. Excavation activities were intended to minimize the dermal and soil ingestion pathways by removing the potential for direct contact to future site users and construction workers. Active and passive soil venting addresses the inhalation and groundwater ingestion pathways, as well as groundwater protection by removing the mobile COCs.

The RAP proposed soil excavation up to 10 ft bgs for the impacted areas. To remediate the remaining impacted soil, a soil venting program was proposed for both North and South Pads. Two phases were proposed for the soil venting program, an active phase where a soil vapor extraction (SVE) system (shown on Figure 15) extracted vapors via vacuum from the soil through a network of vapor extraction wells for treatment, and a passive phase where the wells are simply vented to the atmosphere. Transitioning from active to passive vent would occur once active venting reaches asymptotic levels for influent concentration and mass removal rates. A groundwater well installation and monitoring program was proposed to assess groundwater quality.

4.2 SOIL EXCAVATIONS

4.2.1 Excavation Activities and Pipeline Removal

On 2 June 2004, soil excavation activities commenced at the SADD Lease-North and South Pads. The upper 10 feet of soil was removed in both excavations, using an excavator, and stockpiled adjacent to the excavations. During excavation activities, abandoned steel pipelines ranging in size from 1- to 2-inches in diameter and containing residual product, were uncovered at approximately 3 feet bgs and extending under the adjacent access roads. A total of approximately 2,500 feet of abandoned pipeline was removed (Figures 16 and 17). Stained soil was observed in several small areas under the pipeline joints. All stained soil encountered was removed and added to the excavation stockpile. In general, VOC concentrations were not detected with the photoionization detector and there was no visual staining observed in the pipeline trenches during soil screening. The trenches were backfilled with the native soil.

To confirm the extent of impacted soil associated with the pipelines in the north end of the South Pad excavation area, three trenches were excavated north of the South Pad excavation (Figure 18).

Confirmation samples were collected from all excavation walls and bottoms. Results of these samples are discussed in Section 4.2.2.

Upon completion of the sidewall and bottom sampling, the North Pad excavation was lined with a vapor barrier consisting of 60-mil high-density polyethylene and then backfilled with fill sand.

The South Pad excavation was backfilled with a combination of clean excavated soil and fill sand. The fill material was placed in the excavation in 1-foot lifts to the surface and wheel rolled with the bucket loader.

4.2.2 *Results*

Confirmation sampling activities for the SADD Lease – North Pad were performed under the supervision of LACFD personnel, who prescribed the sampling locations and analysis. Sample results are summarized in Tables 6 through 10 and shown on Figures 18 and 19. The laboratory report and chain-of-custody forms can be found in the *Summary Report, Los Valles Land & Golf, LLC.* (ERM, 2004b).

Table 6 and Figure 18 show that VOCs were detected in three of the eight excavation soil samples; however, the concentrations did not exceed the USEPA's PRGs for residential soil.

Table 7 and Figure 18 indicate that TPHs as diesel and motor oil were detected in all of the excavation soil samples except NP-SSW. Detected concentrations of TPH as diesel ranged from 1.2 mg/kg to 2,100 mg/kg. Detected concentrations of TPH as motor oil ranged from 1.8 to 640 mg/kg. Results of the TPH analyses were compared to the Regional Water Quality Control Board soil screening levels (SSLs) for TPH-impacted soil located within approximately 20 to 150 feet above groundwater. Concentrations of TPH as diesel in bottom samples (NP-NBS and NP-SBS) exceeded the SSL.

As shown in Table 8 and on Figure 18, naphthalene was detected at a concentration of 4,700 μg/kg in soil sample NP-SBS collected from the bottom of the excavation. No other Polynuclear Aromatic Hydrocarbons were detected in the confirmation samples.

Polychlorinated Biphenyls were not detected in the confirmation soil samples, as illustrated on Figure 19 and in Table 9.

As shown on Figure 19 and in Table 10, metals were detected in all of the excavation soil samples; however, the concentrations did not exceed the PRGs for residential soil.

The report recommended the installation of three vapor extraction wells to remediate the remaining subsurface soil, deeper than approximately 10 feet bgs. The recommended design was a triple screen extraction well (screen intervals at 10 to 20 feet bgs, 30 to 50 feet bgs, and 50 to 75 feet bgs) to optimize soil remediation efforts by extracting vapors at different depth intervals.

4.3 GROUNDWATER MONITORING SUMMARY

Groundwater monitoring at the Site was conducted from December 2003 to December 2004 (four quarterly sampling events were performed during this period). At the request of the LACFD, an extra monitoring event was performed in May 2005 before well decommission. Table 11 shows results for all sampling events.

Based on Table 11, all monitoring wells, with the exception of MW-4, appear to be free of contaminants. Although hydrocarbon constituents, including ethylbenzene, xylenes, propylbenzene, and naphthalene, were detected sporadically in MW-4, the detected concentrations have only been marginally above the detection limits and much less than the Maximum Contaminant Levels.

4.3.1 Monitoring Wells Decommission

Historically, the groundwater sample results indicate that the contamination from the soil has not migrated to the groundwater. For that reason, ERM obtained permission to decommission the eight monitoring wells at the Site. The monitoring wells were properly destroyed on 25 to 27 May 2005. Each of the eight wells was drilled out to total depth as required by the County of Los Angeles. To seal the boreholes, neat cement was pumped through a pipe from the bottom to the top in each borehole. Table 12 shows the former well construction details and groundwater level data collected during the abovementioned period of time.

4.4 *SOIL VAPOR EXTRACTION SYSTEM PERFORMANCE SUMMARY*

In August 2004, ERM installed three multi-port vapor venting wells at the Site. Two wells, designated as VW-1 and VW-2, were installed within the footprint of the excavation at the North Pad and a third well (VW-3) was installed approximately 20 feet north of MW-4 at the South Pad. Well locations at the North and South Pads are shown on Figures 20 and 21, respectively. Wells VW-1 and VW-2 were constructed identically, with screened sections at 10 to 30 feet bgs, 35 to 55 feet bgs, and 60 to 80 feet bgs. Because the depth to groundwater is shallower at the South Pad, well VW-3 was constructed with only two screened sections at 10 to 30 feet bgs and 35 to 55 feet bgs.

Following the first round of vapor samples collected in August 2004, it was determined that low hydrocarbon concentration in South Pad (VW-3) soil vapor did not warrant an active SVE system, thus no SVE system was installed at the South Pad. On the other hand, soil vapor samples collected from the North Pad contained benzene, toluene, and xylenes at concentrations greater than the screening levels, thus an active SVE program was warranted for the North Pad.

During active soil venting, ERM collected and analyzed periodic soil vapor samples for evaluation of the system's effectiveness. Vapor analytical results (Table 13) indicate that the active soil venting system influent concentrations and mass removal rates appear to have reached asymptotic conditions. The COC concentrations in the individual vapor extraction wells decreased significantly since startup of the active soil venting system, as shown in Table 13 and on Figure 22. Similarly, the system influent concentrations, shown in Table 14, reduced considerably compared to prior to system operation start-up. To date, the active soil venting system has removed and treated approximately 14,647 pounds of hydrocarbons, as shown in Table 15.

Los Valles and ERM believe that, during the 12 months of active soil vapor extraction, COC concentrations have reduced to levels where passive soil venting may be appropriate. In order to obtain necessary information to prepare a risk assessment, Los Valles and ERM, with LACFD concurrence, collected vapor samples during system shutdown to evaluate rebounding and off-gas concentrations from the well. This data was then used to conduct a HRA.

5.0 HEALTH RISK ASSESSMENT

To confirm that active soil venting tasks have reduced potential health risks at the site adequately and transitioning to the passive venting phase is appropriate, a HRA (ERM, 2006a) was conducted. Soil vapor samples representative of passive soil venting conditions were collected to provide a basis for the risk evaluation. Specifically, the HRA focuses on the passive venting of vapors from partially treated soil at the Former SADD Lease Pads after the development of the property. The HRA report was submitted to the LACFD in February 2006. Following review of the HRA report, the LACFD requested that Los Valles submit this site summary report. The entire HRA report, as initially submitted to the LACFD, is included as Appendix B. The section summarizes the HRA Report.

The screening HRA is used to conservatively assess the potential for carcinogenic risk and non-carcinogenic health effects from the passive venting of residual impacted soil at the SADD Lease-North and South Pads on near-by future residents, golf-course workers, and golf course guests. The HRA includes the development of air toxic emission rates, model analysis of exposure, and the predicted health impacts from the continuous low-level releases into the atmosphere.

5.1 HEALTH RISK ASSESSMENT METHODOLOGY

In order to assess the impacts from the passive well emissions, mass emissions are required to conduct exposure modeling. Mass emissions can be calculated from soil gas concentrations. For the purpose of this model, it is assumed that all vent piping will be bundled at one location for both the North and South Pads, and a single point source will be used to model each location. The soil gas concentrations at each depth for VW-1 and VW-2 will be averaged to define the soil gas concentration in the emissions development for the North Pad source. Similarly, all depths from VW-3 will be used to calculate the average soil gas for the South Pad source. The most current measurements were used to represent current and future soil gas estimates.

For the purposes of the HRA, the SCREEN3 model was utilized to assess maximum ground-level concentrations. This model has been approved by the USEPA and the California Air Resources Board (CARB) for use in assessing air quality impacts for regulatory purposes. The model

calculates maximum 1-hour concentrations from single sources at specified receptor locations for selected hypothetical, worst-case meteorological conditions. Long-term exposure in this assessment was estimated by applying a 1-hour to annual peak-to-mean ratio of 0.1, as specified by CARB, to the 1-hour maximum concentration. This has been shown to be a conservatively high estimate of long-term impacts. Short-term exposure (1-hour) will be determined by the maximum 1-hour predicted concentration from all meteorological conditions.

Four specific receptors were selected for analysis. These include: 1) the closest future residential location to the North Pad source; 2) the closest tee box to the North Pad source; 3) the closest future resident to the South Pad source; and 4) the closest tee box to the South Pad source. It is assumed that the tee boxes will be the location where the highest likely exposure will be to both workers and guests. Since distances vary between the North Pad and South Pad sources with respect to the four sensitive receptor locations, eight distances were modeled, four relative to each source.

For long-term residential risk exposure, Office of Environmental Health Hazard Assessment (OEHHA) suggests a conservative estimate of 24 hours per day, 350 days per year, for a 70-year period. OEHHA also suggests that a residential inhalation rate of 302 liters per kilogram-day (l/kg-day) be used. Due to the unique aspects of the workplace at the golf course, as recommended by OEHHA, the inhalation rate of 149 l/kg-day was used. In addition, the recommended values of 8 hours per day, 5 days per week, and 49 weeks per year (a total of 245 days per year) were used with the modification that, over any given year, the worker is expected to be at each hole only 1/18 of the time (on an annual basis). Finally, the over worker exposure is assumed to be 40 years, as recommended by OEHHA. There is no guidance on risk exposures for golf course guests; therefore, as a conservative estimate, it was assumed that a golfer would play the course once per week, 52 weeks per year for a period of 20 years. At any hole, the time spent for tee-off was assumed to be 15 minutes.

For the estimation of carcinogenic risk and non-carcinogenic chronic and acute health effects, only BTEX are identified on the OEHHA air toxic list. Benzene has the potential for carcinogenic risk and chronic/acute health effects. Toluene and xylene have the potential for both chronic and acute non-carcinogenic health effects. Ethylbenzene is only identified for the potential of non-carcinogenic chronic health effects.

For more information on the methodology and assumptions used in the HRA Report, refer to Appendix B, where the report is attached in its entirety.

5.2 HEALTH RISK ASSESSMENT RESULTS

Overall, the results of the preliminary screening HRA indicate that the carcinogenic risks and non-carcinogenic chronic and acute health effects are below recognized safe health levels. Detailed reporting of the HRA results obtained can be found in Appendix B.

5.3 HEALTH RISK ASSESSMENT CONCLUSIONS

Based upon the results of the HRA, the maximum predicted individual excess carcinogenic risks at all modeled locations will be well below the OEHHA recommended significance level. Correspondingly, the non-carcinogenic chronic and acute hazard indices predicted in this analysis have also been shown to be orders of magnitude below the OEHHA recommended significance level. As such, the passive venting of the soil gas wells in the SADD Lease-North and South Pads are not predicted to cause any significant health risk to future residents, workers, or guests during the construction or operation of the proposed golf course.

6.0 CONCLUSIONS

Based on the results of the investigation, remediation activities, and health risk evaluation conducted to date, the following conclusions can be made:

- Hydrocarbon-impacted soil warranting remediation was identified and characterized at the site. A remedial approach was developed to address the impacts and reduce potential health and environmental risks. This approach comprised of shallow soil excavation and off site disposal, active and passive soil venting, and groundwater monitoring.
- Shallow soil excavation and off site disposal have been completed under LACFD oversight. The excavation activities covered minor stained soil at the AEO Pad and over 1,000 cubic yards of shallow soil at the SADD Lease-North and South Pads. Los Valles also installed a soil vapor barrier at the bottom of the excavation at the SADD Lease-North Pad, directly over the deeper residual impacted soils, to minimize potential upward vertical migration of soil vapors from the deeper impacts. Additionally, shallow pipelines were removed throughout the site.
- Active soil venting activities were performed at the SADD Lease-North Pad and removed over 14,600 pounds of hydrocarbons from the subsurface. Mass removal rates and system influent concentrations have decreased by approximately 90 percent or greater and appear to have reached asymptotic conditions.
- Site-wide groundwater monitoring indicates that minimal impact to groundwater has occurred. Low hydrocarbon concentrations were only sporadically detected over five separate site-wide monitoring events spanning approximately 18 months. Most of the eight monitoring wells contained no detectable hydrocarbon concentrations over the entire monitoring period.
- A HRA was conducted to evaluate whether passive venting of residual impacted soil would pose a health risk to future site users or occupants, considering the proposed golf course and residential redevelopment of the Site. It should be noted that no residential structures would be built over the impacted areas. All impacted areas will be incorporated as features of the golf course. The HRA concluded that the maximum predicted individual excess carcinogenic risks at all modeled locations would be well below the OEHHA recommended significance level. Correspondingly, the non-

carcinogenic chronic and acute hazard indices predicted in this analysis have also been shown to be orders of magnitude below the OEHHA recommended significance level. As such, the passive venting of the soil gas wells in the SADD Lease-North and South Pads are not predicted to cause any significant health risk to future residents, workers, or guests during the construction or operation of the proposed golf course.

In summary, impacted soil was identified and characterized. Remedial activities have been performed to remove and reduce contaminant mass. A HRA provided confirmation that residual impacted soil poses no significant risks to future site users. At this time, Los Valles requests that the LACFD approve the permanent shutdown of the active soil venting system and transitioning to the passive venting phase. Consistent with previous discussions with the LACFD, Los Valles will perform a final round of sampling at the site. This sampling event will consist of two components:

1. Soil sampling at four to six locations, at multiple depths, at the SADD Lease North Pad; and
2. Confirmation soil vapor sampling from all existing passive venting wells.

Los Valles will coordinate the field schedule with the LACFD over the next few weeks.

7.0 REFERENCES

ERM. 2004a. Evaluation of Subsurface Petroleum Hydrocarbon Impacts, Former Oil Production Pad Areas, Hasley Canyon Development Site.

ERM. 2004b. Summary Report, Los Valles Land & Golf, LLC.

ERM. 2004c. Remedial Action Plan, Former SADD Lease Site.

ERM. 2006. Health Risk Assessment Report.

Figures

Tables

Table 1 ***Volatile Organic Compounds, Methane, and Fixed Gases in Soil Gas***
Los Valley Land & Golf, LLC
Santa Clarita, California

Sample ID	Depth (feet)	Sample Date	Hydrogen Sulfide (ppmv)	Methane (ppmv)	Oxygen (%)	Carbon Dioxide (%)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-xylenes (µg/L)	o-xylenes (µg/L)
SG2-1	5	12/15/2003	0.001	<100	17.9	0.8	<1	<1	<1	<2	<1
SG2-1	10	12/15/2003	0.002	<100	17.2	1.6	<1	<1	<1	<2	<1
SG2-1 (Duplicate)	10	12/15/2003	NA	NA	NA	NA	<1	<1	<1	<2	<1
SG2-1 (Purge)	20	12/15/2003	0.006	<100	15.1	3.9	<1	<1	<1	<2	<1
SG2-1 (Purge)	20	12/15/2003	NA	NA	NA	NA	<1	<1	<1	<2	<1
SG2-1 (Purge)	20	12/15/2003	NA	NA	NA	NA	<1	<1	<1	<2	<1
SG2-1 *	20	1/6/2004	NA	<10	15.1	3.9	NA	NA	NA	NA	NA
SG2-2	5	12/15/2003	0.002	<100	18.3	0.6	<1	<1	<1	<2	<1
SG2-3	5	12/15/2003	0.002	<100	17.3	1.0	<1	<1	<1	<2	<1
SG2-4	5	12/15/2003	0.001	<100	18.2	0.7	<1	<1	<1	<2	<1
SG2-5	5	12/15/2003	0.001	<100	11.8	4.5	<1	<1	<1	<2	<1
SG2-5	12	12/15/2003	0.001	<100	6.9	14.3	<1	<1	<1	<2	<1
SG2-6	5	12/15/2003	0.000	<100	8.7	5.7	**2.8**	1.5	<1	<2	<1
SG2-6	14	12/15/2003	0.002	**42,000**	3.6	13.4	**50**	42	**14**	**30**	18
SG2-6*	14	1/6/2004	NA	320	5.1	12.6	NA	NA	NA	NA	NA
SG2-7	5	12/15/2003	0.002	<100	15.5	2.0	<1	<1	<1	<2	<1
SG2-7	10	12/15/2003	0.005	<100	18.5	0.3	<1	<1	<1	<2	<1
SG2-8	5	12/16/2003	0.000	<100	13.6	5.1	<1	<1	<1	<2	<1
SG2-8	10	12/16/2003	0.000	<100	11.4	7.3	<1	<1	<1	<2	<1
SG2-8	20	12/16/2003	0.000	<100	9.4	9.7	<1	<1	<1	<2	<1
SG2-9	5	12/16/2003	0.000	<100	18.0	0.7	<1	<1	<1	<2	<1
SG2-9	10	12/16/2003	0.000	<100	17.6	1.1	<1	<1	<1	<2	<1
SG2-9	20	12/16/2003	0.000	<100	17.0	0.9	<1	<1	<1	<2	<1
SG2-9 (Duplicate)	20	12/16/2003	NA	NA	NA	NA	<1	<1	<1	<2	<1

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Table 1 *Volatile Organic Compounds, Methane, and Fixed Gases in Soil Gas*
Los Valley Land & Golf, LLC
Santa Clarita, California

Sample ID	Depth (feet)	Sample Date	Hydrogen Sulfide (ppmv)	Methane (ppmv)	Oxygen (%)	Carbon Dioxide (%)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-xylenes (µg/L)	o-xylenes (µg/L)
SG2-10	5	12/16/2003	0.000	<100	19.3	0.2	<1	<1	<1	<2	<1
SG2-10	10	12/16/2003	0.000	<100	18.7	0.3	NA	NA	NA	NA	NA
SG2-10	20	12/16/2003	0.000	<100	18.0	0.3	NA	NA	NA	NA	NA
SG2-11	5	12/16/2003	0.005	**3,000**	4.4	8.8	**3.8**	<1	<1	<2	<1
SG2-11	9	12/16/2003	0.002	**110,000**	1.3	14.0	**61**	32	**29**	**46**	14
SG2-12	5	12/16/2003	0.002	**11,000**	18.5	0.4	**43**	<1	<1	<2	<1
SG2-12	10	12/16/2003	0.002	**310,000**	7.4	7.5	**280**	**170**	**37**	**35**	16
SG2-12*	10	1/6/2004	NA	**4,200**	9.7	6.7	NA	NA	NA	NA	NA
SG2-13	5	12/16/2003	0.002	<100	15.8	2.3	<1	<1	<1	<2	<1
SG2-13	10	12/16/2003	0.003	<100	16.1	3.1	NA	NA	NA	NA	NA
SG2-13	20	12/16/2003	0.005	<100	14.1	5.3	NA	NA	NA	NA	NA
SG2-13*	20	1/6/2004	NA	<10	15.4	5.2	NA	NA	NA	NA	NA
SG2-14	5	12/16/2003	0.001	<100	16.5	2.0	NA	NA	NA	NA	NA
SG2-14	10	12/16/2003	0.002	<100	16.0	2.6	<1	<1	<1	<2	<1
SG2-14	20	12/16/2003	0.002	<100	14.7	3.8	NA	NA	NA	NA	NA
SG2-15	5	12/16/2003	0.009	<100	4.1	11.0	<1	<1	<1	<2	<1
SG2-15	10	12/16/2003	0.024	**64,000**	0.2	13.7	<1	<1	<1	<2	<1
SG2-15	17	12/16/2003	0.002	**10,000**	18.7	0.3	**74**	28	**13**	<2	<1
SG2-16	5	12/17/2003	0.000	<100	17.8	0.9	<1	<1	<1	<2	<1
SG2-16	10	12/17/2003	0.000	<100	18.9	0.3	NA	NA	NA	NA	NA
SG2-16	20	12/17/2003	0.000	<100	19.2	0.3	NA	NA	NA	NA	NA
SG2-17	5	12/17/2003	0.000	<100	19.1	0.2	<1	<1	<1	<2	<1
SG2-17	10	12/17/2003	0.000	<100	19.1	0.3	NA	NA	NA	NA	NA
SG2-17	20	12/17/2003	0.000	<100	18.8	0.6	NA	NA	NA	NA	NA
SG2-18	5	12/17/2003	0.002	<100	17.0	1.1	<1	<1	<1	<2	<1
SG2-18	10	12/17/2003	0.002	<100	16.3	2.1	<1	<1	<1	<2	<1
SG2-18	17	12/17/2003	0.003	<100	11.5	7.2	<1	<1	<1	<2	<1
SG2-18*	17	1/6/2004	NA	<10	15.0	6.6	NA	NA	NA	NA	NA

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Table 1 ***Volatile Organic Compounds, Methane, and Fixed Gases in Soil Gas***
Los Valley Land & Golf, LLC
Santa Clarita, California

Sample ID	Depth (feet)	Sample Date	Hydrogen Sulfide (ppmv)	Methane (ppmv)	Oxygen (%)	Carbon Dioxide (%)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-xylenes (µg/L)	o-xylenes (µg/L)
SG2-19	5	12/17/2003	0.002	<100	18.3	0.5	<1	<1	<1	<2	<1
SG2-19	10	12/17/2003	0.006	<100	17.8	1.4	<1	<1	<1	<2	<1
SG2-20	5	12/17/2003	0.003	<100	12.9	5.7	<1	<1	<1	<2	<1
SG2-20	10	12/17/2003	0.004	<100	16.2	2.6	<1	<1	<1	<2	<1
SG2-20	20	12/17/2003	0.002	<100	17.7	1.1	<1	<1	<1	<2	<1
SG2-21	5	12/17/2003	0.001	<100	16.3	2.2	<1	<1	<1	<2	<1
SG2-21	13	12/17/2003	0.002	<100	14.4	2.2	<1	<1	<1	<2	<1
SG2-21 (Duplicate)	13	12/17/2003	NA	NA	NA	NA	<1	<1	<1	<2	<1
SG2-22	5	12/17/2003	0.002	<100	14.4	2.2	<1	<1	<1	<2	<1
SFRWQCB Shallow Soil Gas Screening Levels							0.084	83	2.2	21	21
DTSC Methane Gas Screening Level				1,000							

Notes:
< = Not detected at or above listed reporting limit.
* = Results were recorded in the lab for lower detection limits.
Bold = Exceeds listed screening criteria.

Abbreviations:
µg/L = Micrograms per Liter
DTSC = Department of Toxic Substances Control
EPA = United States Environmental Protection Agency
NA = Not analyzed
ppmv = Parts per million in vapor
SFRWQCB = San Francisco Regional Water Quality Control Board

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Table 2 Volatile Organic Compounds and Total Petroleum Hydrocarbons in Soil
Los Valles Land & Golf, LLC
Santa Clarita, California

			EPA 8015B (mg/kg)		EPA 8260B (µg/kg)												
Sample ID	Depth (feet)	Sample Date	Diesel	Motor Oil	1,2,4-TMB	1,3,5-TMB	4-Isopropyl-toluene	Benzene	Ethyl-benzene	Isopropyl-benzene	m,p-xylenes	n-butyl-benzene	n-propyl-benzene	Naph-thalene	o-xylene	sec-Butyl-benzene	Toluene
SB2-1	5	12/17/2003	29	9.8	29	7.5	<5.0	22	20	<5.0	14	6.1	11	41	<5.0	<5.0	<5.0
SB2-1	10	12/17/2003	1,200	340	8.4	<5.0	<5.0	99	19	<5.0	30	<5.0	<5.0	10	27	<5.0	68
SB2-2	5	12/17/2003	1.1	2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-2	10	12/17/2003	8.4	3.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-3	5	12/17/2003	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-3	10	12/17/2003	1,500	410	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-4	45	1/8/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-4	50	1/8/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-5	45	1/8/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-5	50	1/8/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-6	10	1/21/2004	5.0	12.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-6	20	1/21/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-6	30	1/21/2004	<1.0	1.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-6	40	1/21/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-6	50	1/21/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-7	25	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-7	35	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-7	45	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-8	15	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-8	25	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-9	20	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-9	30	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB2-9	40	1/22/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SS-1	Surface	12/18/2003	2.1	4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-2	Surface	12/18/2003	84	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-3	Surface	12/18/2003	35	71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-4	Surface	12/18/2003	120	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SS-5	Surface	12/18/2003	850	1,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2 Volatile Organic Compounds and Total Petroleum Hydrocarbons in Soil
Los Valles Land & Golf, LLC
Santa Clarita, California

			EPA 8015B (mg/kg)		EPA 8260B (µg/kg)												
Sample ID	Depth (feet)	Sample Date	Diesel	Motor Oil	1,2,4-TMB	1,3,5-TMB	4-Isopropyl-toluene	Benzene	Ethyl-benzene	Isopropyl-benzene	m,p-xylenes	n-butyl-benzene	n-propyl-benzene	Naph-thalene	o-xylene	sec-Butyl-benzene	Toluene
SS-6	Surface	12/18/2003	57	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	30	12/22/2003	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-1	55	12/22/2003	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-1	76	12/22/2003	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-2	20	1/6/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-2	40	1/6/2004	<1.0	1.4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-2	45	1/6/2004	1.8	<1.0	32,000	9,000	3,000	**1,400**	**26,000**	5,600	33,000	9,100	16,000	14,000	4,400	4,100	<500
MW-3	20	1/7/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-3	65	1/7/2004	1	1.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-3	80	1/7/2004	1.2	2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-4	30	1/8/2004	2.6	2.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-4	50	1/8/2004	3,200	1,600	2,000	230	190	<5.0	130	130	200	250	160	450	<5.0	180	<5.0
MW-5	35	1/21/2004	10	18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-5	60	1/21/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-6	10	1/21/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-6	50	1/21/2004	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TR-01	14	1/21/2004	3,400	960	37,000	**26,000**	6,800	<500	<500	<500	26,000	<500	<500	25,000	5,800	<500	<500
TR-02	5	1/22/2004	<1.0	1.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TR-03	10.5	1/22/2004	<1.0	1.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PRG Residential			None	None	52,000	21,000	None	600	8,900	None	270,000	240,000	240,000	None	270,000	220,000	520,000

Notes:
< = Not detected at or above listed reporting limit.
Bold = Exceeds listed PRG.

Abbreviations:
µg/kg = Micrograms per kilogram
EPA = United States Environmental Protection Agency
mg/kg = Milligrams per kilogram
NA = Not analyzed
PRG = Preliminary Remediation Goal
TMB = Trimethylbenzene

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Table 3 Metals in Soil
Los Valles Land & Golf, LLC
Santa Clarita, California

			EPA 7471 (mg/kg)	EPA 6010B (mg/kg)								
Sample ID	Depth (feet)	Sample Date	Mercury	Arsenic	Barium	Chromium	Cobalt	Copper	Lead	Nickel	Vanadium	Zinc
SS-1	0.5	12/18/2003	<0.1	1.6	46	8.0	4.5	7.5	3.5	6.5	18	29
SS-2	0.5	12/18/2003	<0.1	1.3	40	7.0	4.0	7.5	3.5	5.5	16	27
SS-3	0.5	12/18/2003	<0.1	1.2	24	5.5	3.0	5.0	2.0	3.5	14	16
SS-4	0.5	12/18/2003	<0.1	1.6	44	7.5	4.0	7.5	3.0	5.5	18	22
SS-5	0.5	12/18/2003	<0.1	1.8	130	9.5	5.5	13	3.5	12	18	36
SS-6	0.5	12/18/2003	<0.1	1.5	34	6.0	4.0	5.5	2.0	5.0	16	20
SS-7	0.5	12/18/2003	<0.1	1.3	32	6.5	4.0	6.0	5.5	5.0	16	22
SS-8	0.5	12/18/2003	<0.1	1.5	43	8.0	4.5	7.0	5.5	5.5	18	27
SS-9	0.5	12/18/2003	<0.1	1.8	49	9.5	4.5	16	5.5	7.0	20	32
SS-10	0.5	12/18/2003	<0.1	1.8	72	9.0	5.0	12	6.5	20	68	34
SS-11	0.5	12/18/2003	<0.1	2.2	59	9.0	5.0	10	4.0	22	70	30
PRG Residential			23	22	5,400	210	900	3,100	150	1,600	550	23,000

Notes:
< = Not detected at or above listed reporting limit.

Abbreviations:
EPA = United States Environmental Protection Agency
mg/kg = Milligrams per kilogram
NA = Not analyzed

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Table 4 ***Volatile Organic Compounds and Total Petroleum Hydrocarbons in Groundwater***
Los Valles Land & Golf, LLC
Santa Clarita, California

		EPA 3510C (mg/L)		EPA 8260B (µg/L)											
Sample ID	Sample Date	Diesel	Motor Oil	1,2,4-TMB	1,3,5-TMB	4-Isopropyl-toluene	Ethyl-benzene	m,p-xylenes	n-propyl-benzene	Naph-thalene	sec-Butyl-benzene	Bromo-dichloro-methane	Bromoform	Chloroform	Dibromo-chloro-methane
MW-1	12/29/2003	0.061	0.077	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	5.9	1
MW-1	12/31/2003	0.11	0.21	NA	NA	<0.5	NA	NA	NA	NA	<0.5	NA	NA	NA	NA
MW-1	1/14/2004	<0.05	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-2	1/14/2004	<0.05	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-2 (dup)	1/14/2004	<0.05	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3	1/14/2004	<0.05	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	1/14/2003	0.46	0.17	1.3	0.52	0.68	0.84	0.62	0.71	5.3	0.81	<0.5	<0.5	<0.5	<0.5
MW-5	1/26/2004	<0.05	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	1/26/2004	0.11	0.099	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA/QC															
Equipment Blar	12/29/2003	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6.1	4.2	2.6	9.2
MW-1 FB	1/14/2004	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5FD	1/26/2004	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trip Blank	12/29/2003	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trip Blank	1/14/2004	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trip Blank	1/26/2004	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MCL		None	None	None	None	None	None	None	None	None	None	80	80	80	80

Notes:
< = Not detected at or above listed reporting limit.

Abbreviations:
µg/L = Micrograms per Liter
EPA = United States Environmental Protection Agency
FB = Field blank
FD = Field Duplicate
MCL = Maximum Contaminant Level
mg/L = Milligrams per Liter
NA = Not analyzed
QA/QC = Quality Assurance/Quality Control
TMB = Trimethylbenzene

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Table 5 Metals in Groundwater
Los Valles Land & Golf, LLC
Santa Clarita, California

		EPA 7470 (µg/L)	EPA 3010A (mg/L)									
Sample ID	Sample Date	Mercury	Arsenic	Barium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Vanadium	Zinc
MW-1	12/29/2003	<0.2	<0.005	0.01	0.0032	<0.003	0.0062	<0.005	0.01	<0.003	0.005	0.01
MCL		None	0.01	1	0.05	None	1	0.015	None	0.1	None	5

Notes:
< = Not detected at or above listed reporting limit.

Abbreviations:
µg/L = Micrograms per Liter
EPA = United States Environmental Protection Agency
mg/L = Milligrams per Liter

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Table 6 Volatile Organics Detected in Soil
Los Valles Land & Golf, LLC
Castaic, California

			EPA Method 8260B																													
Sample ID	Depth (feet)	Sample Date	1,1,1,2-PCA	1,1,1-TCA	1,1,2,2-PCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,1-DCP	1,2,3-TCB	1,2,3-TCP	1,2,4-TCB	1,2,4-TMB	1,2-D3C	1,2-DBM	1,2-DCB	1,2-DCA	1,2-DCPA	1,3,5-TMB	1,3-DCB	1,3-DCPA	1,4-DCB	2,2-DCPA	2-Chloro-toluene	4-Chloro-toluene	4-IPT	Benzene	Bromo-benzene	Bromo-dicloro-methane	Bromo-form	Bromo-methane	Carbon Tet.
NP-SSW	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-WSW	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-NSW1	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-NSW2	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	41	<0.1	<0.05	<0.05	<0.05	<0.05	16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-NSW3	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-ESW	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-SBS	10	6/8/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	6,200	<500	<2.5	<2.5	<2.5	<2.5	1,500	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	880	530	<2.5	<2.5	<2.5	<2.5	<2.5
NP-NBS	10	6/8/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	600	<500	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
NP-SP1-DS1		6/9/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<500	<2.5	<2.5	<2.5	<2.5	7.2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
NP-SP1-DS2		6/9/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2,100	<500	<2.5	<2.5	<2.5	<2.5	670	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
NP-SP2-DS3		6/9/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	4,300	<500	<2.5	<2.5	<2.5	<2.5	1,000	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	740	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
PRG for Residential Soil			3.2_{ca}	$1,200_{nc}$	$.410_{ca}$	$.730_{ca}$	510_{nc}	120_{nc}	NL	NL	$.005_{ca}$	650_{nc}	5.2_{nc}	$.019_{ca}$*	NL	370_{nc}	$.28_{ca}$	$.34_{ca}$	21_{nc}	16_{nc}	NL	3.4_{ca}	NL	NL	NL	NL	$.6_{ca}$	28_{nc}	$.82_{ca}$	62_{ca}	3.9_{nc}	$.25_{nc}$

Notes:

Results in milligrams per kilogram.
< = Not detected at or above the listed detection limit.
* = CAL-Modified PRG
ca = Cancer PRG
nc = Noncancer PRG
sat = Saturated Soil

Abbreviations:

BB = Butylbenzene
D3C = 1,2-Dibromo-3-chloropropane
DCA = Dichloroethane
DCB = Dichlorobenzene
DCE = Dichloroethene
DCP = Dichloropropene
DCPA = Dicloropropane
EPA = United States Environmental Protection Agency
IPB = Isopropylbenzene
IPT = Isopropyltoluene
MC = Methylene chloride
NL = Not Listed
PB = Propylbenzene
PCA = Tetrachloroethane
PCE = Tetrachloroethene
PRG = Peliminary Remedial Goals
TCA = Trichloroethane
TCB = Trichlorobenzene
TCE = Trichloroethene
TCFM - Trichlorofluoromethane
TCP = Trichloropropane
Tet. = Tetrachloride
TMB = Trimethylbenzene
VC = Vinyl chloride

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Table 6 Volatile Organ
Los Valles Lan
Castaic, Califo

			EPA Method 8260B																										
Sample ID	Depth (feet)	Sample Date	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-DCE	cis-1,3-DCP	Dibromo-chloro-methane	Dibromo-methane	Dichloro-difluoro-methane	Ethyl-benzene	Hexa-chloro-butadiene	IPB	m,p-xylene	MC	n-BB	n-PB	Naph-thalene	o-xylene	sec-BB	Styrene	tert-BB	PCE	Toluene	trans-1,2-DCE	TCE	TCFM	VC
NP-SSW	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-WSW	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-NSW1	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-NSW2	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	13	<0.05	<0.05	<0.05	100	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-NSW3	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-ESW	5	6/8/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NP-SBS	10	6/8/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	5,300	<2.5	960	7,100	<2.5	1,800	2,700	4,600	5,200	780	<2.5	<2.5	<2.5	4,100	<2.5	<2.5	<2.5	<2.5
NP-NBS	10	6/8/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	350	<2.5	1,800	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
NP-SP1-DS1		6/9/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
NP-SP1-DS2		6/9/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	450	<2.5	<2.5	740	<2.5	540	420	1,300	370	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
NP-SP2-DS3		6/9/2004	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	1,300	<2.5	420	1,900	<2.5	1,500	1,300	4,700	1,100	540	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
PRG for Residential Soil			15_{nc}	3_{ca}	$3.6_{ca/cn}$	1.2_{ca}	43_{nc}	NL	1.1_{ca}	NL	94_{nc}	8.9_{ca}	6.2_{ca}	NL	270_{nc}	9.1_{ca}	240_{sat}	240_{sat}	NL	270_{nc}	220_{sat}	$1,700_{sat}$	390_{sat}	1.5_{ca}	520_{sat}	69_{nc}	$.053_{ca}$	390_{nc}	$.079_{ca}$

Notes:

Results in milligrams per kilogram.
< = Not detected at or above the listed
* = CAL-Modified PRG
ca = Cancer PRG
nc = Noncancer PRG
sat = Saturated Soil

Abbreviations:

BB = Butylbenzene
D3C = 1,2-Dibromo-3-chloropropane
DCA = Dichloroethane
DCB = Dichlorobenzene
DCE = Dichloroethene
DCP = Dichloropropene
DCPA = Dicloropropane
EPA = United States Environmental Protection Agency
IPB = Isopropylbenzene
IPT = Isopropyltoluene
MC = Methylene chloride
PB = Propylbenzene
PCA = Tetrachloroethane
PCE = Tetrachloroethene
PRG = Peliminary Remedial Goals
TCA = Trichloroethane
TCB = Trichlorobenzene
TCE = Trichloroethene
TCFM - Trichlorofluoromethane
TCP = Trichloropropane
Tet. = Tetrachloride
TMB = Trimethylbenzene
VC = Vinyl chloride

Table 7 Petroleum Hydrocarbons Detected in Soil
Los Valles Land & Golf, LLC
Santa Clarita, California

			EPA 8015B							
			TPH							
Sample ID	Depth (feet)	Sample Date	Diesel	Motor Oil	C10-C12	C13-C15	C16-C22	C23-C32	C5-C12	>C32
NP-SSW	5	6/8/2004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
NP-WSW	5	6/8/2004	66	43	<1.0	14	44	19	<1.0	1.9
NP-NSW1	5	6/8/2004	1.2	1.8	<1.0	<1.0	1.0	1.4	<1.0	<1.0
NP-NSW2	5	6/8/2004	590	640	27	170	470	460	11	140
NP-NSW3	5	6/8/2004	54	39	4.6	8.3	35	17	<1.0	1.9
NP-ESW	5	6/8/2004	15	17	<1.0	2.5	11	8.8	<1.0	1.7
NP-SBS	10	6/8/2004	2,000	430	540	740	680	170	350	<20
NP-NBS	10	6/8/2004	2,100	580	340	770	880	250	70	<20
CRWQCB Soil Screening Levels			1,000	10,000	500	1,000	1,000	10,000	500	10,000

Notes:

Results in milligrams per kilogram.

< = Not detected at or above the listed detection limit.

CRWQCB soil screening level for TPH in soil at a distance of 20-150 feet above groundwater.

Abbreviations:

CRWQCB = California Regional Water Quality Control Board

EPA = United States Environmental Protection Agency

TPH = Total petroleum hydrocarbon

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Table 8 Polyaromatic Hydrocarbons Detected in Soil
Los Valles Land & Golf, LLC
Santa Clarita, California

			EPA 8270C															
Sample ID	Depth (feet)	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)-anthracene	Benzo(a)-pyrene	Benzo(b)-fluoranthene	Benzo(g,h,I)-perylene	Benzo(k)-fluoranthene	Chrysene	Dibenz(a,h)-anthracene	Fluor-anthene	Fluorene	Indeon(1,2,3-cd)-pyrene	Naphthalene	Phen-anthrene	Pyrene
NP-SSW	5	6/8/2004	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
NP-WSW	5	6/8/2004	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
NP-NSW1	5	6/8/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NP-NSW2	5	6/8/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NP-NSW3	5	6/8/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NP-ESW	5	6/8/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NP-SBS	10	6/8/2004	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	4,700	<1,000	<1,000
NP-NBS	10	6/8/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PRG for Residential Soil			$3{,}700{,}000_{nc}$	NL	$22{,}000{,}000_{nc}$	620_{ca}	62_{ca}	620_{ca}	NL	$6{,}200_{ca}$	$62{,}000_{ca}$	62_{ca}	$2{,}300{,}000_{nc}$	$2{,}700{,}000_{nc}$	620_{ca}	$5{,}600_{nc}$	NL	$2{,}300{,}000_{nc}$

Notes:

Results in micrograms per kilogram.

< = Not detected at or above the listed detection limit.

ca = Cancer PRG

nc = Noncancer PRG

Abbreviations:

NA = Not analyzed

NL = Not Listed

EPA = United States Environmental Protection Agency

PRG = Preliminary Remedial Goals

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Table 9 Polychlorinated Biphenyls Detected in Soil
Los Valles Land & Golf, LLC
Santa Clarita, California

			Polychlorinated Biphenyls (EPA 8082)								
Sample ID	Depth (feet)	Sample Date	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268
NP-SSW	5	6/8/2004	<16	<33	<16	<16	<16	<16	<16	<16	<16
NP-WSW	5	6/8/2004	<16	<33	<16	<16	<16	<16	<16	<16	<16
NP-SBS	10	6/8/2004	<16	<33	<16	<16	<16	<16	<16	<16	<16
PRG for Residential Soil			$3{,}900_{nc}$	220_{ca}	220_{ca}	220_{ca}	220_{ca}	220_{ca}	220_{ca}	NL	NL

Notes:

Results in micrograms per kilogram.

< = Not detected at or above the listed detection limit.

ca = Cancer PRG

nc = Noncancer PRG

Abbreviations:

EPA = United States Environmental Protection Agency

NA = Not analyzed

NL = Not Listed

PRG = Preliminary Remedial Goals

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Table 10 Metals Detected in Soil
Los Valles Land & Golf, LLC
Santa Clarita, California

			EPA Method 6010B																						
Sample ID	Depth (feet)	Sample Date	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	Se	Si	Ag	Tl	V	Zn
NP-SSW	5	6/8/2004	11,000	<2.0	<1.0	49	<1.0	<10	<1.0	2,400	16	7.0	12	16,000	3.7	5,100	240	1.1	10	<1.0	150	<1.0	<1.0	28	42
NP-WSW	5	6/8/2004	3,000	<2.0	<1.0	24	<1.0	<10	<1.0	1,100	4.7	2.9	3.6	6,100	1.4	1,600	110	<1.0	3.9	<1.0	180	<1.0	<1.0	11	15
NP-NSW1	5	6/8/2004	8,200	<2.0	<1.0	60	<1.0	<10	<1.0	2,200	13	7.3	10	14,000	3.1	4,500	260	1.2	10	<1.0	210	<1.0	<1.0	27	40
NP-NSW2	5	6/8/2004	3,200	<2.0	<1.0	35	<1.0	<10	<1.0	1,100	4.2	3.6	4.1	6,700	1.6	1,700	160	<1.0	4.2	<1.0	200	<1.0	<1.0	12	17
NP-NSW3	5	6/8/2004	10,000	<2.0	<1.0	110	<1.0	<10	<1.0	6,000	15	7.9	14	16,000	5.9	5,600	260	1.5	11	<1.0	240	<1.0	<1.0	30	45
NP-ESW	5	6/8/2004	3,600	<2.0	<1.0	30	<1.0	<10	<1.0	1,500	5.0	3.8	4.0	6,800	1.6	2,000	140	<1.0	4.2	<1.0	260	<1.0	<1.0	13	16
NP-SBS	10	6/8/2004	9,000	<2.0	<1.0	72	<1.0	<1.0	<1.0	2,600	15	8.9	12	15,000	5.1	4,900	460	1.3	12	<1.0	110	<1.0	<1.0	26	43
NP-NBS	10	6/8/2004	6,800	<2.0	<1.0	73	<1.0	<1.0	<1.0	2,200	11	6.3	8.1	12,000	3.5	3,400	380	1.1	7.8	<1.0	130	<1.0	<1.0	21	33
PRG for Residential Soil			$76{,}000_{nc}$	31_{nc}	22_{nc}, 0.39_{ca}	$5{,}400_{nc}$	150_{nc}	$16{,}000_{nc}$	37_{nc}	NL	210_{ca}	900_{ca}	$3{,}100_{nc}$	$23{,}000_{nc}$	150*	NL	$1{,}800_{nc}$	390_{nc}	$1{,}600_{nc}$	390_{nc}	NL	390_{nc}	5.2_{nc}	550_{nc}	$23{,}000_{nc}$

Notes:

Results in milligrams per kilogram.

< = Not detected at or above the listed detection limit.

* = CAL-Modified PRG

ca = Cancer PRG

nc = Noncancer PRG

Abbreviations:

Ag = Silver
Al = Aluminum
As = Arsenic
B = Boron
Ba = Barium
Be = Beryllium
Ca = Calcium
ca = Cancer PRG
Cd = Cadmium
Co = Cobalt
Cr = Chromium
Cu = Copper
EPA = United States Environmental Protection Agency
Fe = Iron
Mg = Magnesium
Mn = Manganese
Mo = Molybdenum
nc = Noncancer PRG
Ni = Nickel
NL = Not Listed
Pb = Lead
PRG = Preliminary Remedial Goals
Sb = Antimony
Se = Selenium
Si - Silicon
Tl = Thallium
V = Vanadium
Zn = Zinc

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Table 11 Volatile Organic Compounds Detected in Groundwater
Los Valles Land & Golf, LLC
Santa Clarita, California

USEPA 8260B µg/L

Sample ID	Sample Date	1,1,1,2-PCA	1,1,1-TCA	1,1,2,2-PCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,1-DCP	1,2,3-TCB	1,2,3-TCP	1,2,4-TCB	1,2,4-TMB	1,2-D3C	1,2-DBM	1,2-DCB	1,2-DCA	1,2-DCPA	1,3,5-TMB	1,3-DCB	1,3-DCPA	1,4-DCB	2,2-DCPA	2-Chloro-toluene	4-Chloro-toluene	4-IPT	Benzene	Bromo-benzene	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Carbon Tet.	Chloro-benzene
MW-1	12/29/2003	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	1.2 U	<0.5	<0.50	<0.50	<0.50
	12/31/2003	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	NA	NA	<0.50	<0.50	<0.50
	1/14/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-2	1/14/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
(dup)	1/14/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-3	1/14/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-4	1/14/2003	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/25/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/17/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-5	1/26/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-6	1/26/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/25/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/17/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-7	2/9/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/25/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-8	2/9/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
QA/QC																																
EB	12/29/2003	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	6.1	4.2	<0.50	<0.50	<0.50
MW-8EB	2/9/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
MW-1 FB	1/14/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
MW-5FD	1/26/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
MW-7FD	2/9/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
Trip Blank	12/29/2003	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
Trip Blank	1/14/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
Trip Blank	1/26/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50
Trip Blank	2/9/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50

Notes:
< = Not detected at or above listed reporting limit.
NJ = Estimated Value - chromatogram did not resemble the standard hydrocarbon pattern
U - Nondetected

Abbreviations:
µg/L = Micrograms per liter
BB = Butylbenzene
D3C = 1,2-Dibromo-3-chloropropane
DBM = Dibromethane
DCA = Dichloroethane
DCB = Dichlorobenzene
DCE = Dichloroethene
DCP = Dichloropropene
DCPA = Dicloropropane
dup = Duplicate
EB = Equipment blank
FB = Field blank
FD = Field duplicate
IPB = Isopropylbenzene
IPT = Isopropyltoluene
MC = Methylene chloride
NA = Not analyzed
PB = Propylbenzene
PCA = Tetrachloroethane
PCE = Tetrachloroethene
QA/QC = Quality Assurance/Quality Control
TCA = Trichloroethane
TCB = Trichlorobenzene
TCE = Trichloroethene
TCFM - Trichlorofluoromethane
TCP = Trichloropropane
Tet. = Tetrachloride
TMB = Trimethylbenzene
USEPA = United States Environmental Protection Agency
VC = Vinyl chloride

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Table 11 Volatile Org
Los Valles L
Santa Clari

		USEPA 8260B µg/L																											USEPA 8015M (µg/L)	
Sample ID	Sample Date	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-DCE	cis-1,3-DCP	Dibromo-chloro-methane	Dibormo-methane	Dichloro-difluoro-methane	Ethyl-benzene	Hexa-chloro-butadiene	IPB	m,p-xylenes	MC	n-BB	n-PB	Naph-thalene	o-xylene	sec-BB	Styrene	tert-BB	PCE	Toluene	trans-1,2-DCE	TCE	TCFM	VC	Diesel	Motor Oil
MW-1	12/29/2003	<0.50	5.9 U	<0.50	<0.50	<0.50	1 U	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	61	77
	12/31/2003	<0.50	NA	<0.50	<0.50	<0.50	NA	<0.50	<0.50	NA	<0.50	<0.50	NA	<0.50	<0.50	NA	NA	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	110	210
	1/14/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
MW-2	1/14/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
(dup)	1/14/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
MW-3	1/14/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
MW-4	1/14/2003	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	0.84	<0.50	<0.50	0.62	<0.50	<0.50	0.71	5.3	<0.50	0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	460 NJ	170 NJ
	6/25/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.73	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/17/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	66	NA
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	150	NA
MW-5	1/26/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
MW-6	1/26/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	110	99
	6/25/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/17/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
MW-7	2/9/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
	6/25/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/24/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
MW-8	2/9/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
	6/24/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
	9/16/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	12/8/2004	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
	5/23/2005	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	NA
QA/QC																													
EB	12/29/2003	<0.50	2.6	<0.50	<0.50	<0.50	9.2	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-8EB	2/9/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-1 FB	1/14/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-5FD	1/26/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-7FD	2/9/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50
Trip Blank	12/29/2003	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
Trip Blank	1/14/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
Trip Blank	1/26/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA
Trip Blank	2/9/2004	<0.50	<0.5	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA

Notes:
< = Not detected at or above listed reporting limit.
NJ = Estimated Value - chromatogram did not resemble the standard hydrocarbon pattern
U - Nondetected

Abbreviations:
µg/L = Micrograms per liter
BB = Butylbenzene
D3C = 1,2-Dibromo-3-chloropropane
DBM = Dibromethane
DCA = Dichloroethane
DCB = Dichlorobenzene
DCE = Dichloroethene
DCP = Dichloropropene
DCPA = Dicloropropane
dup = Duplicate
EB = Equipment blank
FB = Field blank
FD = Field duplicate
IPB = Isopropylbenzene
IPT = Isopropyltoluene
MC = Methylene chloride
NA = Not analyzed
PB = Propylbenzene
PCA = Tetrachloroethane
PCE = Tetrachloroethene
QA/QC = Quality Assurance/Quality Control
TCA = Trichloroethane
TCB = Trichlorobenzene
TCE = Trichloroethene
TCFM - Trichlorofluoromethane
TCP = Trichloropropane
Tet. = Tetrachloride
TMB = Trimethylbenzene
USEPA = United States Environmental Protection Agency
VC = Vinyl chloride

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Table 12 Well Construction Details and Groundwater Elevation Data
Los Valles Land & Golf, LLC
Santa Clarita, California

Well Identification	Total Depth (ft bgs)	Screen Interval (ft bgs)	Top-of-casing Elevation (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
MW-1	122	89 - 119	1307.09	12/26/2003	88.04	1219.05
				1/14/2004	93.77	1213.32
				1/29/2004	93.33	1213.76
				2/9/2004	93.23	1213.86
				6/24/2004	92.56	1214.53
				9/16/2004	92.56	1214.53
				12/7/2004	92.58	1214.51
				5/24/2005	87.33	1219.76
MW-2	110	80 - 110	1307	1/12/2003	85.76	1221.24
				1/14/2004	86.36	1220.64
				1/29/2004	85.70	1221.30
				2/9/2004	85.63	1221.37
				6/17/2004	85.36	1221.64
				9/16/2004	85.74	1221.26
				12/7/2004	85.68	1221.32
				5/24/2005	79.18	1227.82
MW-3	110	80 - 110	1306.9	1/12/2004	76.26	1230.64
				1/14/2004	76.86	1230.04
				1/29/2004	76.26	1230.64
				2/9/2004	76.20	1230.70
				6/24/2004	76.39	1230.51
				9/16/2004	76.54	1230.36
				12/7/2004	76.77	1230.13
				5/24/2005	73.42	1233.48
MW-4	75	25 - 75	1265.44	1/12/2004	57.42	1208.02
				1/14/2004	57.72	1207.72
				1/29/2004	57.18	1208.26
				2/9/2004	57.11	1208.33
				6/25/2004	56.86	1208.58
				9/17/2004	56.75	1208.69
				12/7/2004	56.77	1208.67
				5/24/2005	52.58	1212.86
MW-5	75	45 - 75	1266.21	1/23/2004	64.26	1201.95
				1/26/2004	64.24	1201.97
				1/29/2004	64.01	1202.20
				2/9/2004	64.02	1202.19
				6/17/2004	63.77	1202.44
				9/16/2004	63.61	1202.60
				12/7/2004	63.64	1202.57
				5/24/2005	60.35	1205.86
MW-6	65	40 - 65	1252.57	1/23/2004	52.07	1200.50
				1/26/2004	51.87	1200.70
				1/29/2004	51.61	1200.96
				2/9/2004	51.61	1200.96
				6/25/2004	51.31	1201.26
				9/17/2004	51.12	1201.45
				12/7/2004	50.98	1201.59
				5/24/2005	48.02	1204.55
MW-7	70	40 - 70	1248.12	2/3/2004	53.50	1194.62
				2/6/2004	51.51	1196.61
				2/9/2004	51.70	1196.42
				6/25/2004	51.39	1196.73
				9/16/2004	51.24	1196.88
				12/7/2004	51.23	1196.89
				5/24/2005	49.21	1198.91
MW-8	85	55 - 85	1293.21	2/4/2004	69.00	1224.21
				2/6/2004	59.30	1233.91
				2/9/2004	69.28	1223.93
				6/24/2004	69.46	1223.75
				9/16/2004	69.54	1223.67
				12/7/2004	69.61	1223.60
				5/24/2005	62.56	1230.65

Abbreviations:
ft bgs = Feet below ground surface
ft btoc = Feet below top of casing
ft msl = Feet mean sea level

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Table 13 Discreet Soil Vapor Sample Results
SADD Lease–North and South Parcels
Los Valles Land & Golf, LLC
Santa Clarita, California

Well ID	Sample Depth	Date Sampled	TVPH-g		Benzene		Toluene		Ethylbenzene		m,p-Xylenes		o-Xylene		Total Xylenes	1,3,5-TMB		1,2,4-TMB	
			ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	µg/L	ppbv	µg/L	ppbv	µg/L
		Molecular Weight	*100*		*78*		*92*		*106*		*106*		*106*		*106*	*120*		*120*	
North SADD Parcel																			
VW-1	10 - 30 ft	08/24/04	3,400,000	15,168.4	25,000	80.8	33,000	125.7	11,000	48.3	15,000	65.9	10,000	43.9	109.8	1,400	7.0	3,600	17.9
		09/29/04	1,800,000	8,030.4	19,000	61.4	22,000	83.8	6,100	26.8	15,000	65.9	8,000	35.1	101.0	2,500	12.4	5,800	28.8
		01/05/05	250,000	1,115.3	2.5	0.00808	3,900	14.86048	3,500	15.3658	34,000	149.3	12,000	52.7	202.0	220	1.1	590	2.9
		03/04/05	180,000	803.0	210	0.7	620	2.4	320	1.4	1,100	4.8	640	2.8	7.6	100	0.5	190	0.9
		06/10/05	100,000	446.1	180	0.6	360	1.4	160	0.7	590	2.6	390	1.7	4.3	140	0.7	170	0.8
		11/17/05	18,000	80.3	29	0.1	63	0.2	26	0.1	97	0.4	62	0.3	0.7	22	0.1	48	0.2
		12/19/05	12,000	53.5	< 1.8	< 0.01	3.7	0.01	< 1.8	0.01	5.1	0.02	4.0	0.02	0.04	< 3.6	< 0.02	< 3.6	< 0.02
		12/29/05	6,700	29.9	< 1.8	< 0.01	< 1.8	< 0.01	< 1.8	< 0.01	3.8	0.02	< 1.8	< 0.01	0.02	< 3.6	< 0.02	< 3.6	< 0.02
		01/09/06	5,800	25.9	< 1.8	< 0.01	< 1.8	< 0.01	2.0	0.01	6.9	0.03	2.5	0.01	0.0	< 3.6	< 0.02	< 3.6	< 0.02
	35 - 55 ft	08/24/04	4,800,000	21,414.3	26,000	84.0	41,000	156.2	11,000	48.3	16,000	70.2	11,000	48.3	118.0	1,400	7.0	3,100	15.4
		09/29/04	8,400,000	37,475.0	130,000	420.0	99,000	377.2	29,000	127.3	49,000	215.1	23,000	101.0	316.1	2,500	12.4	8,100	40.3
		01/05/05	600,000	2,676.8	3,000	9.7	9,200	35.1	5,500	24.1	8,800	38.6	5,600	24.6	63.2	680	3.4	1,600	8.0
		03/04/05	470,000	2,096.8	2,100	6.8	6,900	26.3	3,400	14.9	5,500	24.1	3,600	15.8	40.0	640	3.2	1,900	9.4
		06/10/05	310,000	1,383.0	720	2.3	3,100	11.8	1,700	7.5	2,700	11.9	1,600	7.0	18.9	44	0.2	1,500	7.5
		11/17/05	140,000	624.6	320	1.0	1,500	5.7	930	4.1	1,300	5.7	790	3.5	9.2	170	0.8	510	2.5
		12/19/05	120,000	535.4	240	0.8	1,100	4.2	610	2.7	930	4.1	600	2.6	6.7	120	0.6	300	1.5
		12/29/05	340,000	1,516.8	540	1.7	1,700	6.5	930	4.1	1,600	7.0	1,100	4.8	11.9	310	1.5	650	3.2
		01/09/06	440,000	1,963.0	860	2.8	2,200	8.4	950	4.2	1,900	8.3	1,400	6.1	14.5	370	1.8	710	3.5
	60 - 80 ft	08/24/04	8,300,000	37,028.8	110,000	355.4	83,000	316.3	27,000	118.5	39,000	171.2	21,000	92.2	263.4	1,700	8.4	6,000	29.8
		09/29/04	1,500,000	6,692.0	14,000	45.2	22,000	83.8	5,000	22.0	7,700	33.8	4,100	18.0	51.8	470	2.3	1,200	6.0
		10/29/04	NA	NA	12,000	38.8	25,000	95.3	7,800	34.2	10,000	43.9	5,300	23.3	67.2	660	3.3	1,900	9.4
		01/05/05	780,000	3,479.8	3,600	11.6	12,000	45.7	9,900	43.5	13,000	57.1	7,400	32.5	89.6	780	3.9	2,100	10.4
		03/04/05	880,000	3,925.9	2,600	8.4	9,700	37.0	7,200	31.6	13,000	57.1	7,800	34.2	91.3	1,200	6.0	3,700	18.4
		06/10/05	460,000	2,052.2	630	2.0	2,300	8.8	2,000	8.8	3,900	17.1	2,600	11.4	28.5	580	2.9	1,700	8.4
		11/17/05	430,000	1,918.4	530	1.7	2,100	8.0	2,000	8.8	3,200	14.0	2,200	9.7	23.7	490	2.4	1,200	6.0
		12/19/05	420,000	1,873.7	410	1.3	430	1.6	290	1.3	770	3.4	1,200	5.3	8.6	480	2.4	280	1.4
		12/29/05	580,000	2,587.6	400	1.3	570	2.2	560	2.5	1,200	5.3	2,000	8.8	14.0	630	3.1	400	2.0
		01/09/06	490,000	2,186.0	650	2.1	350	1.3	230	1.0	580	2.5	950	4.2	6.7	320	1.6	150	0.7
VW-2	10 - 30 ft	08/24/04	5,600,000	24,983.3	70,000	226.1	58,000	221.0	25,000	109.8	27,000	118.5	14,000	61.5	180.0	1,400	7.0	4,200	20.9
		09/29/04	600,000	2,676.8	80,000	258.4	71,000	270.5	28,000	122.9	36,000	158.0	16,000	70.2	228.3	2,400	11.9	5,400	26.8
		01/05/05	1,100,000	4,907.4	2,300	7.4	5,600	21.3	4,600	20.2	8,600	37.8	5,900	25.9	63.7	2,300	11.4	7,100	35.3
		03/04/05	650,000	2,899.8	1,600	5.2	4,000	15.2	2,500	11.0	4,200	18.4	2,800	12.3	30.7	1,300	6.5	4,000	19.9
		06/10/05	440,000	1,963.0	380	1.2	990	3.8	500	2.2	810	3.6	550	2.4	6.0	290	1.4	950	4.7
		11/17/05	180,000	803.0	350	1.1	930	3.5	490	2.2	710	3.1	450	2.0	5.1	160	0.8	460	2.3
		12/19/05	410,000	1,829.1	310	1.0	520	2.0	300	1.3	620	2.7	590	2.6	5.3	280	1.4	430	2.1
		12/29/05	400,000	1,784.5	400	1.3	510	1.9	190	0.8	400	1.8	470	2.1	3.8	200	1.0	220	1.1
		01/09/06	390,000	1,739.9	290	0.9	360	1.4	130	0.6	270	1.2	310	1.4	2.5	180	0.9	190	0.9

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Table 13 Discreet Soil Vapor Sample Results
SADD Lease–North and South Parcels
Los Valles Land & Golf, LLC
Santa Clarita, California

Well ID	Sample Depth	Date Sampled	TVPH-g		Benzene		Toluene		Ethylbenzene		m,p-Xylenes		o-Xylene		Total Xylenes	1,3,5-TMB		1,2,4-TMB	
			ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	ppbv	µg/L	µg/L	ppbv	µg/L	ppbv	µg/L
		Molecular Weight	*100*		*78*		*92*		*106*		*106*		*106*		*106*	*120*		*120*	
VW-2	35 - 55 ft	08/24/04	8,200,000	36,582.7	110,000	355.4	86,000	327.7	31,000	136.1	34,000	149.3	20,000	87.8	237.1	1,700	8.4	5,300	26.3
		09/29/04	9,100,000	40,597.9	130,000	420.0	110,000	419.1	35,000	153.7	56,000	245.9	27,000	118.5	365.0	5,700	28.3	16,000	79.5
		10/29/04	NA	NA	57,000	184.1	80,000	304.8	30,000	131.7	36,000	158.0	18,000	79.0	237.1	1,700	8.4	4,900	24.4
		01/05/05	3,300,000	14,722.3	25,000	80.8	53,000	202.0	33,000	144.9	40,000	175.6	20,000	87.8	263.4	2,300	11.4	5,800	28.8
		03/04/05	2,500,000	11,153.3	12,000	38.8	36,000	137.2	25,000	109.8	33,000	144.9	17,000	74.6	219.5	2,000	9.9	5,900	29.3
		06/10/05	1,700,000	7,584.2	4,100	13.2	18,000	68.6	15,000	65.9	23,000	101.0	12,000	52.7	153.7	1,800	8.9	4,800	23.9
		11/17/05	1,000,000	4,461.3	1,500	4.8	9,200	35.1	7,900	34.7	11,000	48.3	6,700	29.4	77.7	950	4.7	2,300	11.4
		12/19/05	1,400,000	6,245.8	1,800	5.8	9,500	36.2	3,900	17.1	8,000	35.1	6,100	26.8	61.9	1,500	7.5	1,700	8.4
		12/29/05	1,600,000	7,138.1	730	2.4	2,300	8.8	850	3.7	3,600	15.8	3,100	13.6	29.4	920	4.6	500	2.5
		01/09/06	1,400,000	6,245.8	790	2.6	6,700	25.5	2,600	11.4	13,000	57.1	7,200	31.6	88.7	3,100	15.4	7,200	35.8
	60 - 80 ft	08/24/04	8,400,000	37,475.0	120,000	387.7	160,000	609.7	40,000	175.6	49,000	215.1	28,000	122.9	338.0	1,500	7.5	1,500	7.5
		09/29/04	9,900,000	44,166.9	150,000	484.6	190,000	724.0	44,000	193.2	76,000	333.7	37,000	162.4	496.1	9,000	44.7	28,000	139.2
		10/29/04	NA	NA	20,000	64.6	85,000	323.9	26,000	114.1	30,000	131.7	17,000	74.6	206.3	1,600	8.0	4,500	22.4
		01/05/05	1,400,000	6,245.8	3,100	10.0	15,000	57.2	17,000	74.6	21,000	92.2	13,000	57.1	149.3	1,700	8.4	4,200	20.9
		03/04/05	1,200,000	5,353.6	2,600	8.4	11,000	41.9	13,000	57.1	18,000	79.0	11,000	48.3	127.3	1,700	8.4	5,200	25.8
		06/10/05	690,000	3,078.3	530	1.7	2,000	7.6	2,800	12.3	4,400	19.3	2,900	12.7	32.0	620	3.1	1,900	9.4
		11/17/05	550,000	2,453.7	790	2.6	3,300	12.6	3,400	14.9	5,300	23.3	3,600	15.8	39.1	780	3.9	2,100	10.4
		12/19/05	430,000	1,918.4	690	2.2	2,500	9.5	2,500	11.0	4,000	17.6	2,900	12.7	30.3	550	2.7	1,400	7.0
		12/29/05	670,000	2,989.1	1,100	3.6	6,100	23.2	5,600	24.6	7,800	34.2	4,800	21.1	55.3	640	3.2	1,700	8.4
		01/09/06	630,000	2,810.6	1,900	6.1	9,000	34.3	4,000	17.6	5,600	24.6	3,500	15.4	40.0	500	2.5	1,200	6.0
South SADD Parcel																			
VW-3	10 - 30 ft	08/24/04	1,800	8.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	0.0	4	0.0	4	0.0
		12/19/05	< 1,800	<8.0	< 1.8	<0.01	< 1.8	<0.01	< 1.8	<0.01	< 1.8	<0.01	< 1.8	<0.01	0.0	< 3.5	<0.02	< 3.5	<0.02
	35 - 55 ft	08/24/04	4,400,000	19,629.7	130	0.4	37	0.1	70	0.3	250	1.1	110	0.5	1.6	75	0.4	75	0.4
		12/19/05	740,000	3,301.4	< 5.4	<0.02	< 5.4	<0.02	19	0.1	54	0.2	38	0.2	0.4	15	0.1	27	0.1
	RWQCB Region 2 ESL (µg/L)			*NS*		*0.0084*		*83*		*210*		*NS*		*NS*	*21*		*NS*		*NS*

Notes:
< = The constituent was not detected above the specified reporting limit.

Abbreviations:
µg/L = Micrograms per liter
ESL = Environmental screening level
ft = Feet
NA = not analyzed
NS = no standard
ppbv = parts per billion by volume
RWQCB = Regional Water Quality Control Board
TMB = Trimethylbenzene
TVPH-g = Total volatile petroleum hydrocarbons as gasoline

Table 14 *Influent Soil Vapor Sample Results*
Los Valles Land & Golf, LLC
Santa Clarita, California

Sample ID	Date Sampled	TVPH-g	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	1,3,5-TMB	1,2,4-TMB	Total VOCs
		ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv	ppmv
Hasley-In-01	10/4/2004	**1,200**	**20.00**	**26.00**	5.80	7.20	3.90	<0.370	1.10	64.00
Hasley-In-02	11/1/2004	840	6.00	20.00	6.80	9.50	4.90	0.66	1.80	49.66
Hasley-In-03	12/2/2004	1,100	5.00	21.00	**14.00**	**17.00**	**11.00**	**1.40**	**3.60**	**73.00**
Hasley-In-04	1/5/2005	800	2.90	10.00	9.20	12.00	7.30	0.96	2.70	45.06
Hasley-In-05	2/1/2005	660	2.00	6.90	6.90	9.30	5.70	0.84	2.30	33.94
Hasley-In-06	3/4/2005	700	1.80	6.60	6.60	9.30	5.80	0.95	3.00	34.05
Hasley-In-07	4/7/2005	460	0.89	3.10	3.00	4.90	3.20	0.63	1.90	17.62
Hasley-In-08	5/11/2005	430	0.97	3.40	3.50	5.30	3.20	0.60	1.70	18.67
Hasley-In-09	6/10/2005	410	0.71	2.80	2.90	4.80	3.00	0.70	2.10	17.01
Hasley-In-10	7/29/2005	360	0.98	3.00	2.40	4.10	2.60	0.58	1.60	15.26
System shutdown for rebound testing starting on 8/5/05.										
Hasley-In-11	8/10/2005	420	1.20	3.60	2.80	4.90	3.10	0.69	2.00	18.29
System shutdown for rebound testing.										
Hasley-In-12	8/19/2005	530	1.50	3.90	3.10	5.20	3.30	0.73	1.90	19.63
System shutdown for rebound testing.										
Hasley-In-13	9/1/2005	430	1.30	4.10	3.40	5.00	3.30	0.61	1.70	19.41
Hasley-In-14 (*)	10/27/2005	360	0.67	2.70	2.50	3.60	2.50	0.56	1.50	14.03
Hasley-In-15	11/17/2005	380	0.57	2.50	2.30	3.40	2.30	0.49	1.30	12.86
Reduction since Startup/Max. Conc.		*68.3%*	*97.2%*	*90.4%*	*83.6%*	*80.0%*	*79.1%*	*65.0%*	*63.9%*	*82.4%*

Notes:

The active venting system was shutdown starting on 8/5/05 to initiate rebound testing.

The samples collected on 8/10, 8/19, and 9/1 are rebound testing samples.

(*) - TCE (0.051 ppmv) and PCE (0.250 ppmv) were also detected in the system influent sample on 10/27/05. These results appear anomolous.

< = The constituent was not detected above the specified reporting limit.

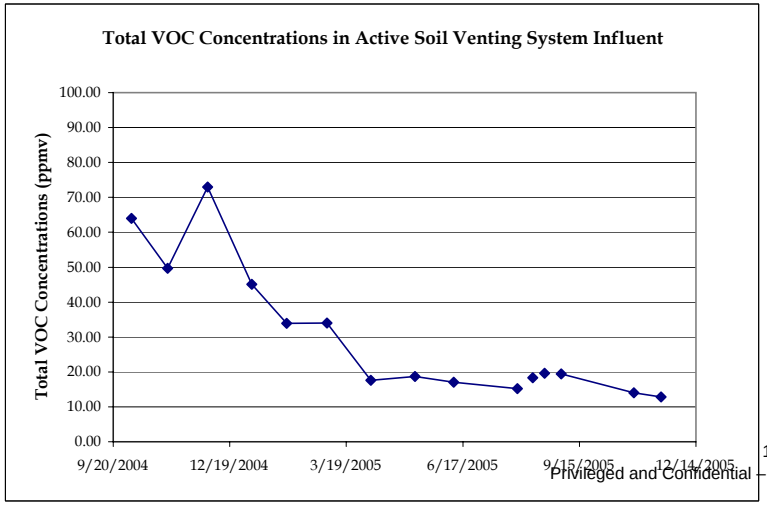
ppmv = parts per million by volume

Bolded values are maximum detected concentrations.

TMB = Trimethylbenzene

TVPH = Total Volatile Petroluem Hydrocarbons as gasoline

VOCs = Volatile Ogranic Compounds



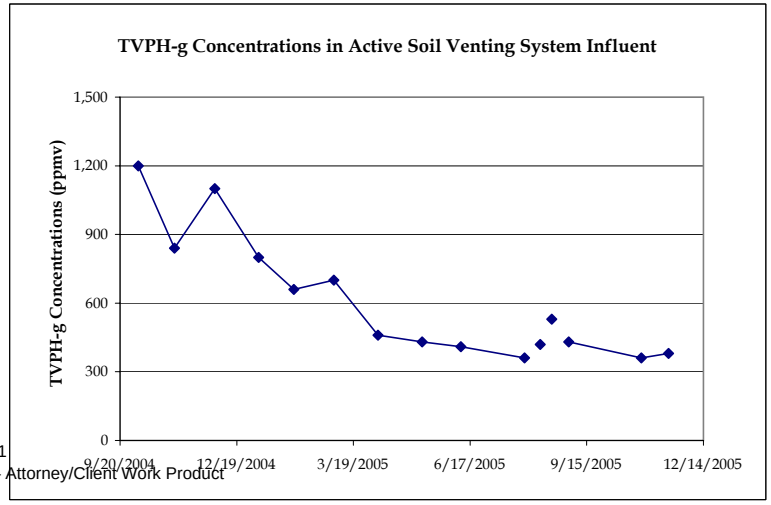


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Table 15 *Mass Removal Calculations*
Los Valles Land & Golf, LLC
Santa Clarita, California

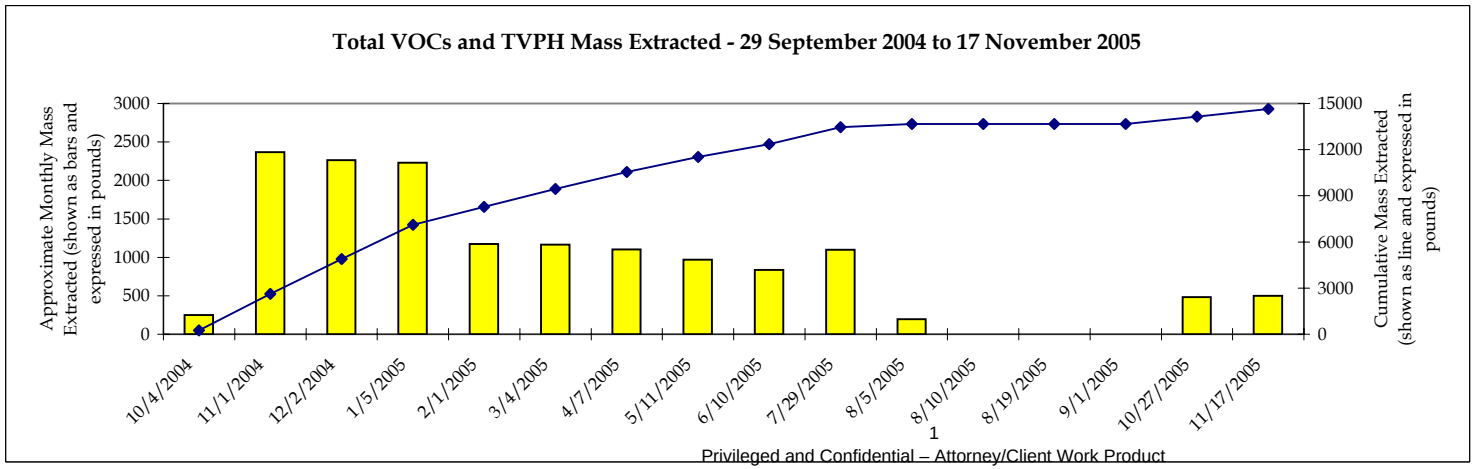
		Vapor Analytical Data								Mass Removal Calculations					
Molecular weight		78	92	106	106	106	120	120	100	Extraction	Operational	VOC Mass	TVPH Mass	Total Mass	Cumulative
Sample ID	Sample Date	Benzene	Toluene	Ethyl-benzene	mp-Xylene	o-Xylene	1,3,5-TMB	1,2,4-TMB	TVPH-g	flow rate (scfm)	Time (hours)	Extracted (lbs.)	Extracted (lbs.)	Extracted (lbs.)	Mass Ext. (lbs.)
Hasley-In-01	10/4/2004	20.00	26.00	5.80	7.20	3.90	< 0.37	1.10	1,200	225	51	11.8	238	250	250
Hasley-In-02	11/1/2004	6.00	20.00	6.80	9.50	4.90	0.66	1.80	840	219	703	129.4	2240	2369	2620
Hasley-In-03	12/2/2004	5.00	21.00	14.00	17.00	11.00	1.40	3.60	1,100	186	599	142.3	2122	2264	4884
Hasley-In-04	1/5/2005	2.90	10.00	9.20	12.00	7.30	0.96	2.70	800	180	846	121.5	2109	2231	7115
Hasley-In-05	2/1/2005	2.00	6.90	6.90	9.30	5.70	0.84	2.30	660	186	524	58.9	1114	1173	8287
Hasley-In-06	3/4/2005	1.80	6.60	6.60	9.30	5.80	0.95	3.00	700	179	512	55.9	1111	1167	9454
Hasley-In-07	4/7/2005	0.89	3.10	3.00	4.90	3.20	0.63	1.90	460	179	744	42.3	1061	1103	10557
Hasley-In-08	5/11/2005	0.97	3.40	3.50	5.30	3.20	0.60	1.70	430	186	671	41.8	929	971	11528
Hasley-In-09	6/10/2005	0.71	2.80	2.90	4.80	3.00	0.70	2.10	410	186	608	34.9	803	838	12366
Hasley-In-10	7/29/2005	0.98	3.00	2.40	4.10	2.60	0.58	1.60	360	186	909	46.2	1054	1100	13466
(*)	8/5/2005	0.98	3.00	2.40	4.10	2.60	0.58	1.60	360	186	163	8.3	189	197	13663
Hasley-In-11	8/10/2005	1.20	3.60	2.80	4.90	3.10	0.69	2.00	420	193	1	0.1	1	1	13665
Hasley-In-12	8/19/2005	1.50	3.90	3.10	5.20	3.30	0.73	1.90	530	186	1	0.1	2	2	13666
Hasley-In-13	9/1/2005	1.30	4.10	3.40	5.00	3.30	0.61	1.70	430	186	1	0.1	1	1	13668
Hasley-In-14	10/27/2005	0.67	2.70	2.50	3.60	2.50	0.56	1.50	390	179	384	17.4	464	482	14149
Hasley-In-15	11/17/2005	0.57	2.50	2.30	3.40	2.30	0.49	1.30	380	179	408	16.9	481	497	14647
										Total	**7125**	**728**	**13919**	**14647**	

Notes:

Concentrations are reported in parts per million by volume (ppmv)
< = Less than; constituent not detected at the Method Detection Limit
ID = Identification
TMB = Trimethylbenzene
scfm = Standard cubic feet per minute
TVPH-g = Total volatile petroleum hydrocarbons as gasoline
VOC = Volatile organic compound
(*) = System shutdown to initiate rebound testing.

Equations:

M = C * MW * Q * T * T(f) * CF
M = mass of hydrocarbons (lbs.)
C = concentrations of hydrocarbons in vapor sample (ppbv)
MW = molecular weight of compounds (g/mole)
Q = vapor flow rate (scfm)
T = operational time between sampling events (hours)
T(f) = temperature factor (dimensionless) = (temp in Kelvins/273 Kelvins)
CF = conversion factor = (1 mole/22.4 liter) * (60 minutes/hour) * (28.31 liter/cu. ft.) * (1 lb/454 grams) * (1/10^6 ppmv)



Privileged and Confidential – Attorney/Client Work Product

Appendix A

Attenuation Factor Calculations

Appendix B

Health Risk Assessment Report

APPENDIX 5.8-13

Soil Sampling and Vapor Survey Work Plan, May 2007

Environmental Resources Management

3 Hutton Centre
Suite 600
Santa Ana, CA 92707
(714) 430-1476
(714) 436-2940 (fax)

4 May 2007

Via U.S. & Electronic Mail

Ms. Kim Clark
County of Los Angeles Fire Department
Health Hazardous Materials Division
5825 Rickenbacker Road
Commerce, CA 90040-3027

Subject: Work Plan to Conduct Confirmation Soil Sampling and Soil Vapor Survey
28801 Hasley Canyon Road
Castaic, California

Dear Ms. Clark:

On behalf of Los Valles Company, Inc. (Los Valles), ERM-West, Inc., (ERM) is submitting a Work Plan to Conduct Confirmation Soil Sampling and Soil Vapor Survey at the Los Valles site in Castaic, California (Figure 1). The overall purpose of this Work Plan is to propose a final round of sampling at the site by collecting soil samples from the SADD Lease North Pad and conducting confirmation soil vapor sampling from all existing passive venting wells (VW-1 through VW-3).

BACKGROUND

The 432-acre site is located along the north flank of Hasley Canyon, approximately 3 miles northwest of the city of Santa Clarita and east of Sloan Canyon, in the Castaic Hills area of the western San Gabriel Mountains. The site is largely undeveloped, but contains a number of graded dirt roads and three approximately 1-acre graded areas (pads) that were historically used to support oil production activities. A total of 10 oil wells were previously operated on the pads. The oil production wells, installed in the 1970s or 1980s, were closed and properly abandoned in April 2003. The California Department of Oil and Gas reviewed closure reports and issued written approval for the well closures. Previous oil production activities resulted in potential environmental impacts at these three areas. The three former production areas are referred to as:

1. AEO Lease – Burns/Crist (AEO Pad);
2. SADD Lease – North Pad; and
3. SADD Lease – South Pad.

RECOMMENDATION, PROPOSED SCHEDULE, AND PLAN

Based on conclusions discussed in the *Site Summary Report*, dated April 2006, impacted soil has been identified and characterized, remedial activities have been performed to remove and reduce contaminant mass, and a Health Risk Assessment provided confirmation that residual impacted soil poses no significant risks to future site users. In response to a request from the Los Angeles County Fire Department (LACFD), ERM proposes to conduct confirmation soil sampling and soil vapor sampling investigations prior to the LACFD's approval that no further remedial actions are required for soil.

Soil Sampling

For confirmation soil sampling, ERM proposes to collect soil samples from six locations at the SADD Lease - North Pad (Figure 2). The proposed borings will be advanced to first encounter of groundwater (~80 feet below ground surface [bgs]). Samples will be collected at 10-foot intervals using a hollow stem auger drill rig. The samples will be collected by advancing and retrieving a split spoon sampler containing three brass sleeves. One sleeve will be covered with a Teflon sheet and capped for laboratory analysis, and soil from the other two sleeves will be used for lithologic description and field screening with a photoionization detector. Soil samples will be analyzed for total petroleum hydrocarbons as gasoline and total petroleum hydrocarbons as diesel in accordance with United States Environmental Protection Agency (USEPA) Method 8015M and volatile organic compounds (VOCs) by USEPA Method 8260B.

Soil Vapor Sampling

A confirmation soil vapor survey will also be conducted at the site at existing vapor venting wells VW-1, VW-2, and VW-3 (Figures 2 and 3). Wells VW-1 and VW-2 are screened at the following intervals: 10 to 30 feet bgs, 35 to 55 feet bgs, and 60 to 80 feet bgs. Soil vapor samples will be collected from VW-1 and VW-2 in the middle of each screen interval

Wells VW-1 and VW-2 are screened at the following intervals: 10 to 30 feet bgs, 35 to 55 feet bgs, and 60 to 80 feet bgs. Soil vapor samples will be collected from VW-1 and VW-2 in the middle of each screen interval (20 feet bgs, 45 feet bgs, and 70 feet bgs), respectively, using Summa canisters. Well VW-3 is screened at the following intervals: 10-30 feet bgs and 35-55 feet bgs. Soil vapor samples will be collected from VW-3 in the middle of each screen interval (20 feet bgs and 45 feet bgs), respectively, using Summa canisters. The soil vapor samples will be analyzed by United States Environmental Protection Agency (USEPA) Methods TO-14 and TO-15 for VOCs.

Schedule

ERM suggests the following tentative schedule for confirmation soil boring and soil vapor survey activities:

- 28 May through 29 May 2007– Collect soil confirmation samples from six locations at the SADD Lease -North Pad. The proposed soil sampling locations are shown in Figure 2. Collect soil gas confirmation samples from VW-1, VW-2 (SADD Lease – North Pad), and VW-3 (SADD Lease-South Pad). The proposed soil gas sampling locations are shown in Figures 2 and 3.

Submittal of this document is consistent with discussions between the LACFD and Los Valles/ERM in late 2005 and May 2006. We look forward to your response. We will also coordinate the field sampling schedule with the LACFD. If you have any questions regarding this project, please contact me at (714) 430-1476.

Sincerely,

Truong Mai, P.E.
Partner

Misti Baldwin
Project Geologist

TTM/taa/0021456.40

cc: Mr. Jeff Kaplinski, Los Valles Company, Inc.
Ms. Amber Sakai, Los Valles Company, Inc.

Figures

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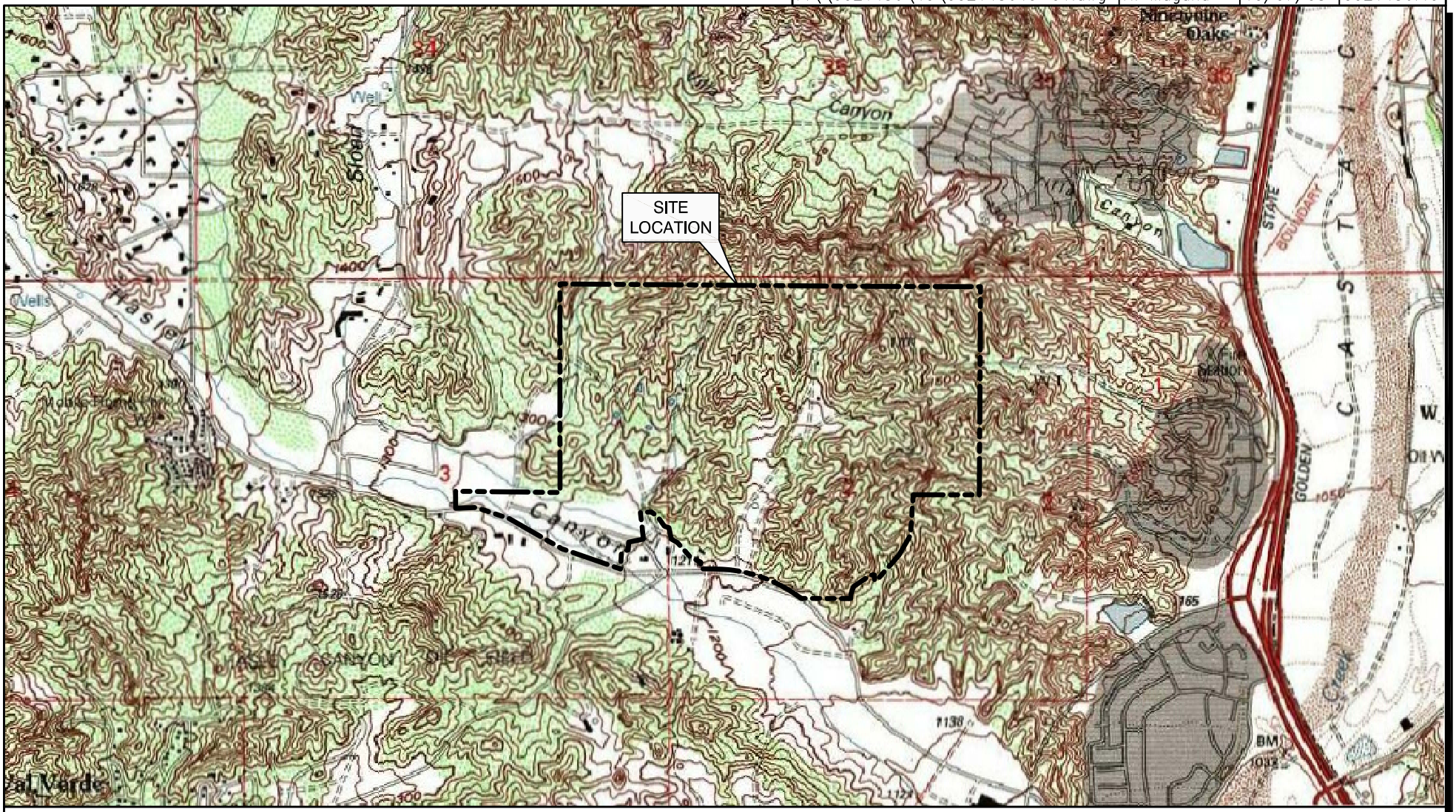


References:
Seamless U.S.G.S. 7.5 Minute Topographic Series
Map created with TOPO!® © 2001
National Geographic Holdings

N

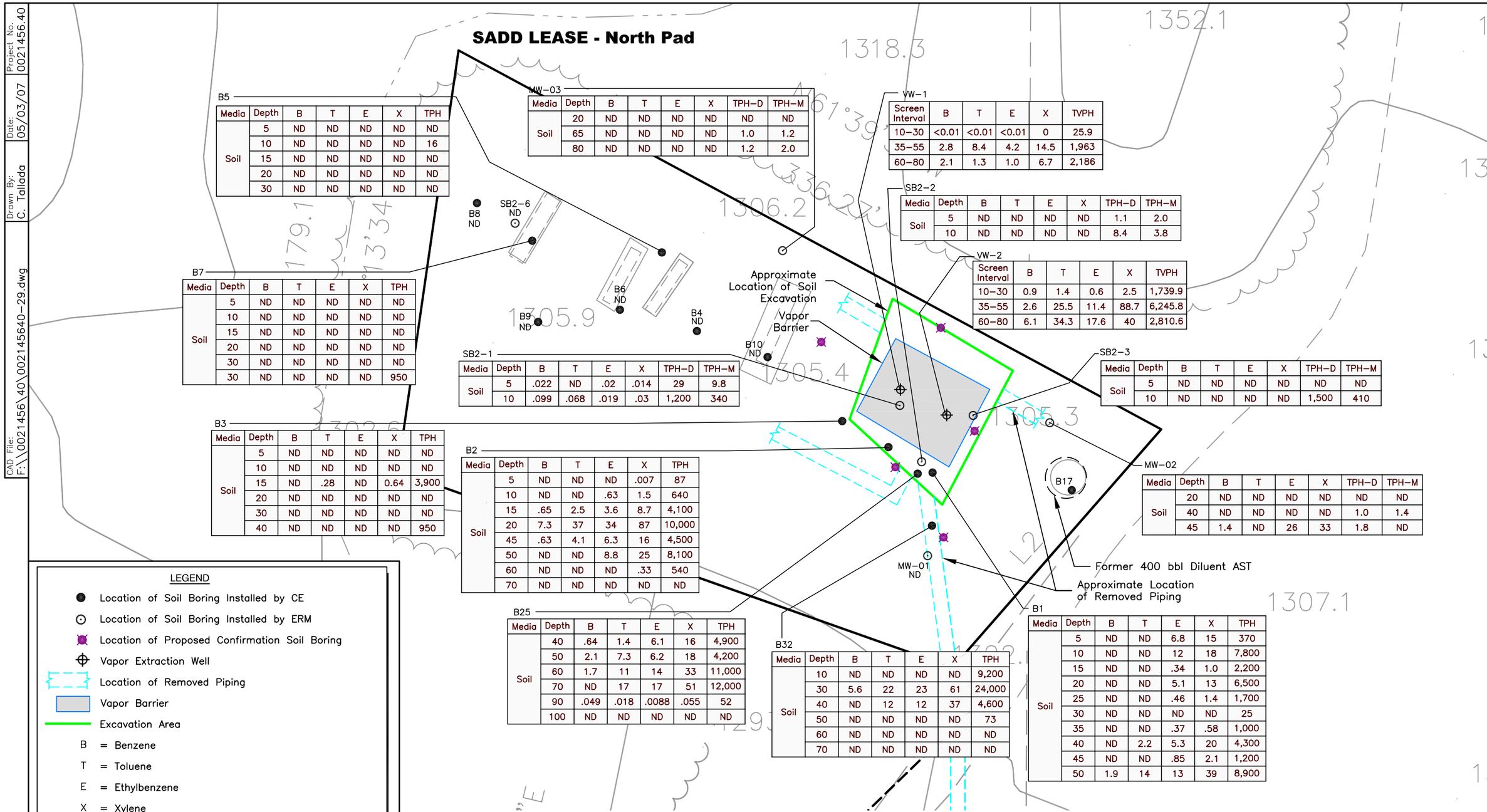
0 900' 1800' 3600'
SCALE IN FEET

Figure 1
Site Location Map
SADD LEASE - North Pad
Los Valles Land & Golf, LLC
Santa Clarita, California

ERM *10/05*

Project No. 0021456.40
Date: 05/03/07
Drawn By: C. Tallada
CAD File: F:\0021456\40\0021456640-29.dwg

SADD LEASE - North Pad



B5

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	16
	15	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND

MW-03

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	20	ND	ND	ND	ND	ND	ND
	65	ND	ND	ND	ND	1.0	1.2
	80	ND	ND	ND	ND	1.2	2.0

VW-1

Screen Interval	B	T	E	X	TVPH
10-30	<0.01	<0.01	<0.01	0	25.9
35-55	2.8	8.4	4.2	14.5	1,963
60-80	2.1	1.3	1.0	6.7	2,186

SB2-2

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	5	ND	ND	ND	ND	1.1	2.0
	10	ND	ND	ND	ND	8.4	3.8

VW-2

Screen Interval	B	T	E	X	TVPH
10-30	0.9	1.4	0.6	2.5	1,739.9
35-55	2.6	25.5	11.4	88.7	6,245.8
60-80	6.1	34.3	17.6	40	2,810.6

B7

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	950

SB2-1

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	5	.022	ND	.02	.014	29	9.8
	10	.099	.068	.019	.03	1,200	340

SB2-3

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	5	ND	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	1,500	410

B3

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	.28	ND	0.64	3,900
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	40	ND	ND	ND	ND	950

B2

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	.007	87
	10	ND	ND	.63	1.5	640
	15	.65	2.5	3.6	8.7	4,100
	20	7.3	37	34	87	10,000
	45	.63	4.1	6.3	16	4,500
	50	ND	ND	8.8	25	8,100
	60	ND	ND	ND	.33	540
	70	ND	ND	ND	ND	ND

MW-02

Media	Depth	B	T	E	X	TPH-D	TPH-M
Soil	20	ND	ND	ND	ND	ND	ND
	40	ND	ND	ND	ND	1.0	1.4
	45	1.4	ND	26	33	1.8	ND

B25

Media	Depth	B	T	E	X	TPH
Soil	40	.64	1.4	6.1	16	4,900
	50	2.1	7.3	6.2	18	4,200
	60	1.7	11	14	33	11,000
	70	ND	17	17	51	12,000
	90	.049	.018	.0088	.055	52
	100	ND	ND	ND	ND	ND

B32

Media	Depth	B	T	E	X	TPH
Soil	10	ND	ND	ND	ND	9,200
	30	5.6	22	23	61	24,000
	40	ND	12	12	37	4,600
	50	ND	ND	ND	ND	73
	60	ND	ND	ND	ND	ND
	70	ND	ND	ND	ND	ND

B1

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	6.8	15	370
	10	ND	ND	12	18	7,800
	15	ND	ND	.34	1.0	2,200
	20	ND	ND	5.1	13	6,500
	25	ND	ND	.46	1.4	1,700
	30	ND	ND	ND	ND	25
	35	ND	ND	.37	.58	1,000
	40	ND	2.2	5.3	20	4,300
	45	ND	ND	.85	2.1	1,200
	50	1.9	14	13	39	8,900

LEGEND

- Location of Soil Boring Installed by CE
- Location of Soil Boring Installed by ERM
- Location of Proposed Confirmation Soil Boring
- Vapor Extraction Well
- Location of Removed Piping
- Vapor Barrier
- Excavation Area

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylene
ND = Not Detected
TPH = Total Petroleum Hydrocarbons
TVPH = Total Volatile Petroleum Hydrocarbons as Gasoline
TPH-D = TPH in Diesel Range
TPH-M = TPH in Motor Oil Range

NOTES
1) Results in milligrams per kilogram (mg/kg).
2) Results for VW-1 and VW-2 in micrograms per liter (µg/kg).
3) Soil vapor samples for VW-1 and VW-2 collected on 01/09/06.

N

0 20' 40' 80'
(APPROXIMATE) SCALE IN FEET

Figure 2
Confirmation Soil Sampling Locations and Results - Organic
SADD Lease - North Pad
Los Valles Company, Inc.
Los Angeles County, California

ERM 05/07

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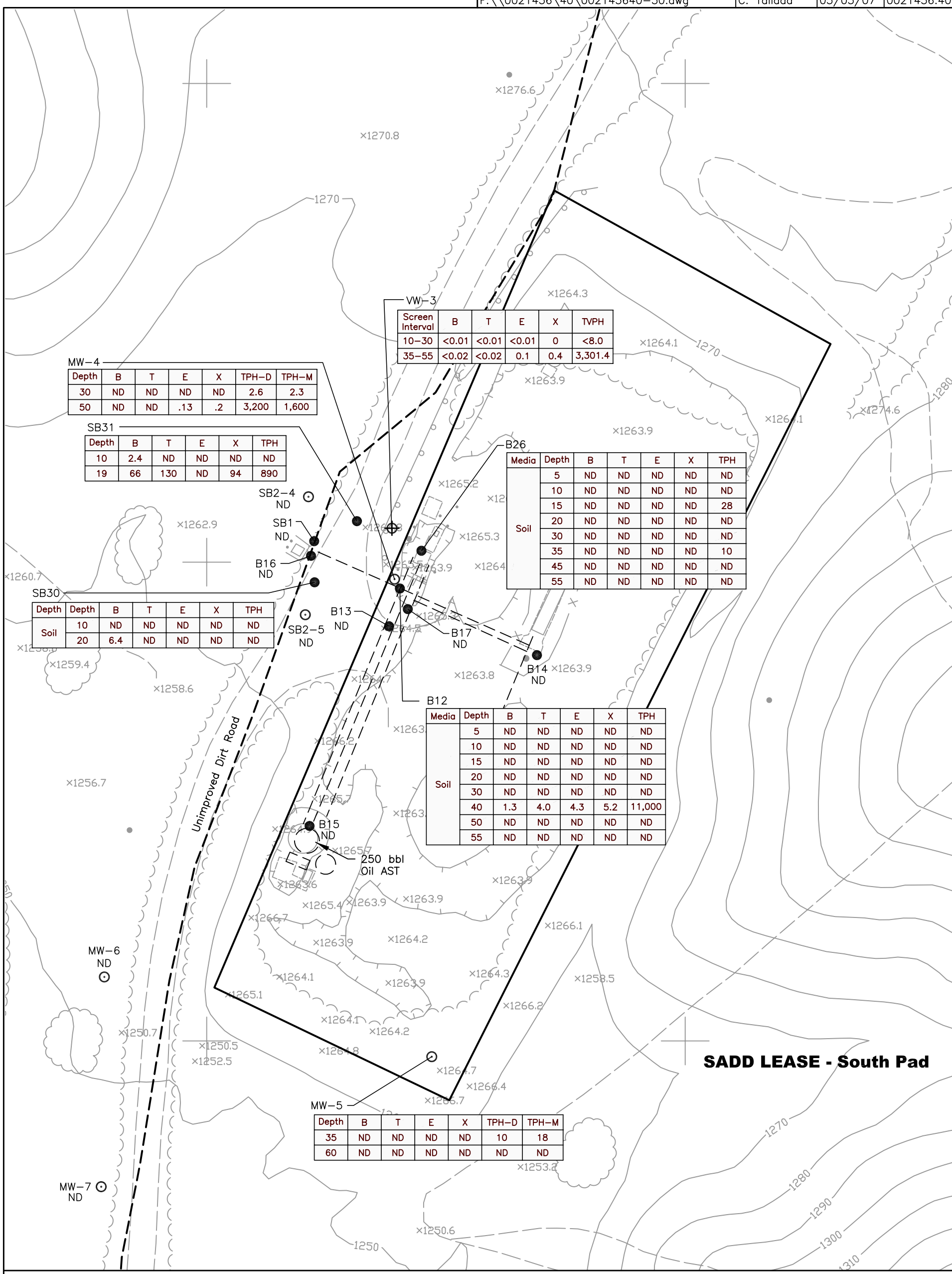


Screen Interval	B	T	E	X	TVPH
10–30	<0.01	<0.01	<0.01	0	<8.0
35–55	<0.02	<0.02	0.1	0.4	3,301.4

Depth	B	T	E	X	TPH–D	TPH–M
30	ND	ND	ND	ND	2.6	2.3
50	ND	ND	.13	.2	3,200	1,600

Depth	B	T	E	X	TPH
10	2.4	ND	ND	ND	ND
19	66	130	ND	94	890

Depth	Depth	B	T	E	X	TPH
Soil	10	ND	ND	ND	ND	ND
	20	6.4	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	28
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	35	ND	ND	ND	ND	10
	45	ND	ND	ND	ND	ND
	55	ND	ND	ND	ND	ND

Media	Depth	B	T	E	X	TPH
Soil	5	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND
	15	ND	ND	ND	ND	ND
	20	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND
	40	1.3	4.0	4.3	5.2	11,000
	50	ND	ND	ND	ND	ND
	55	ND	ND	ND	ND	ND

Depth	B	T	E	X	TPH–D	TPH–M
35	ND	ND	ND	ND	10	18
60	ND	ND	ND	ND	ND	ND

LEGEND

- Location of Soil Boring Installed by CE
- Location of Soil Boring Installed by ERM
- Vapor Extraction Well
- Area of Removed Pipeline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylene
ND = Not Detected
TPH = Total Petroleum Hydrocarbons
TPVH = Total Volatile Petroleum Hydrocarbons as Gasoline
TPH–D = TPH in Diesel Range
TPH–M = TPH in Motor Oil Range

N

0 20' 40' 80'
(APPROXIMATE) SCALE IN FEET

NOTES
1) Results in milligrams per kilogram (mg/kg).
2) Results for VW–3 in micrograms per liter (µg/kg).
3) Soil vapor samples for VW–3 collected on 12/19/05.

Figure 3
Location of Soil Borings
SADD Lease - South Pad
Los Valles Company, Inc.
Los Angeles County, California

ERM 05/06

APPENDIX 5.8-14

Soil Sampling Test Results, June 2007

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT:	ERM West, Inc.	**Client Sample ID:**	D-1
Lab Order:	092592	**Collection Date:**	6/7/2007 10:10:00 AM
Project:	Los Valles, 0021456.40	**Matrix:**	SOIL
Lab ID:	092592-001A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_070612A	QC Batch: 36906			PrepDate:	6/11/2007	Analyst: **HF**
Antimony	ND	2.0		mg/Kg	1	6/12/2007 01:36 PM
Arsenic	1.3	1.0		mg/Kg	1	6/12/2007 01:36 PM
Barium	62	1.0		mg/Kg	1	6/12/2007 01:36 PM
Beryllium	ND	1.0		mg/Kg	1	6/12/2007 01:36 PM
Cadmium	ND	1.0		mg/Kg	1	6/12/2007 01:36 PM
Chromium	33	1.0		mg/Kg	1	6/12/2007 01:36 PM
Cobalt	7.0	1.0		mg/Kg	1	6/12/2007 01:36 PM
Copper	12	2.0		mg/Kg	1	6/12/2007 01:36 PM
Lead	4.2	1.0		mg/Kg	1	6/12/2007 01:36 PM
Molybdenum	ND	1.0		mg/Kg	1	6/12/2007 01:36 PM
Nickel	9.6	1.0		mg/Kg	1	6/12/2007 01:36 PM
Selenium	ND	1.0		mg/Kg	1	6/12/2007 01:36 PM
Silver	ND	1.0		mg/Kg	1	6/12/2007 01:36 PM
Thallium	ND	1.0		mg/Kg	1	6/12/2007 01:36 PM
Vanadium	30	1.0		mg/Kg	1	6/12/2007 01:36 PM
Zinc	35	1.0		mg/Kg	1	6/12/2007 01:36 PM
DIESEL RANGE ORGANICS BY GC/FID						
	LUFT			**EPA 8015B(M)**		
RunID: GC7_BACK_070610D	QC Batch: 36951			PrepDate:	6/12/2007	Analyst: **CBR**
DRO	27	10		mg/Kg	1	6/13/2007 03:35 AM
Surr: p-Terphenyl	88.9	57-122		%REC	1	6/13/2007 03:35 AM
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_070612B	QC Batch: 36963			PrepDate:	6/12/2007	Analyst: **JAR**
Mercury	ND	0.10		mg/Kg	1	6/12/2007

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT:	ERM West, Inc.	**Client Sample ID:**	D-1
Lab Order:	092592	**Collection Date:**	6/7/2007 10:10:00 AM
Project:	Los Valles, 0021456.40	**Matrix:**	SOIL
Lab ID:	092592-001A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_070612A	QC Batch: K07VS119			PrepDate:		Analyst: **DMP**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,1-Dichloropropene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	6/12/2007 03:05 PM
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,3-Dichloropropane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
2,2-Dichloropropane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
2-Chlorotoluene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
4-Chlorotoluene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
4-Isopropyltoluene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Benzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Bromobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Bromoform	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Bromomethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Chlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Chloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Chloroform	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Chloromethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT:	ERM West, Inc.	**Client Sample ID:**	D-1
Lab Order:	092592	**Collection Date:**	6/7/2007 10:10:00 AM
Project:	Los Valles, 0021456.40	**Matrix:**	SOIL
Lab ID:	092592-001A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_070612A	QC Batch: K07VS119			PrepDate:		Analyst: **DMP**
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Dibromomethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Ethylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Hexachlorobutadiene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Isopropylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
m,p-Xylene	ND	10		µg/Kg	1	6/12/2007 03:05 PM
Methylene chloride	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
n-Butylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
n-Propylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Naphthalene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
o-Xylene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
sec-Butylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Styrene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
tert-Butylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Toluene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Trichloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Trichlorofluoromethane	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Vinyl chloride	ND	5.0		µg/Kg	1	6/12/2007 03:05 PM
Surr: 1,2-Dichloroethane-d4	87.7	41-149		%REC	1	6/12/2007 03:05 PM
Surr: 4-Bromofluorobenzene	91.1	57-137		%REC	1	6/12/2007 03:05 PM
Surr: Dibromofluoromethane	91.0	51-137		%REC	1	6/12/2007 03:05 PM
Surr: Toluene-d8	99.6	68-127		%REC	1	6/12/2007 03:05 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT:	ERM West, Inc.	**Client Sample ID:**	D-2
Lab Order:	092592	**Collection Date:**	6/7/2007 10:51:00 AM
Project:	Los Valles, 0021456.40	**Matrix:**	SOIL
Lab ID:	092592-002A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_070612A	QC Batch: 36906			PrepDate:	6/11/2007	Analyst: **HF**
Antimony	ND	2.0		mg/Kg	1	6/12/2007 01:42 PM
Arsenic	2.1	1.0		mg/Kg	1	6/12/2007 01:42 PM
Barium	65	1.0		mg/Kg	1	6/12/2007 01:42 PM
Beryllium	ND	1.0		mg/Kg	1	6/12/2007 01:42 PM
Cadmium	ND	1.0		mg/Kg	1	6/12/2007 01:42 PM
Chromium	15	1.0		mg/Kg	1	6/12/2007 01:42 PM
Cobalt	8.8	1.0		mg/Kg	1	6/12/2007 01:42 PM
Copper	14	2.0		mg/Kg	1	6/12/2007 01:42 PM
Lead	5.3	1.0		mg/Kg	1	6/12/2007 01:42 PM
Molybdenum	ND	1.0		mg/Kg	1	6/12/2007 01:42 PM
Nickel	11	1.0		mg/Kg	1	6/12/2007 01:42 PM
Selenium	ND	1.0		mg/Kg	1	6/12/2007 01:42 PM
Silver	ND	1.0		mg/Kg	1	6/12/2007 01:42 PM
Thallium	ND	1.0		mg/Kg	1	6/12/2007 01:42 PM
Vanadium	36	1.0		mg/Kg	1	6/12/2007 01:42 PM
Zinc	45	1.0		mg/Kg	1	6/12/2007 01:42 PM
DIESEL RANGE ORGANICS BY GC/FID						
	LUFT			**EPA 8015B(M)**		
RunID: GC7_BACK_070610D	QC Batch: 36951			PrepDate:	6/12/2007	Analyst: **CBR**
DRO	15	10		mg/Kg	1	6/13/2007 02:44 AM
Surr: p-Terphenyl	87.6	57-122		%REC	1	6/13/2007 02:44 AM
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_070612B	QC Batch: 36963			PrepDate:	6/12/2007	Analyst: **JAR**
Mercury	ND	0.10		mg/Kg	1	6/12/2007

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT:	ERM West, Inc.	**Client Sample ID:**	D-2
Lab Order:	092592	**Collection Date:**	6/7/2007 10:51:00 AM
Project:	Los Valles, 0021456.40	**Matrix:**	SOIL
Lab ID:	092592-002A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_070612A	QC Batch: K07VS119			PrepDate:		Analyst: **DMP**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,1-Dichloropropene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	6/12/2007 03:23 PM
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,3-Dichloropropane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
2,2-Dichloropropane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
2-Chlorotoluene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
4-Chlorotoluene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
4-Isopropyltoluene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Benzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Bromobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Bromoform	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Bromomethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Chlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Chloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Chloroform	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Chloromethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT:	ERM West, Inc.	**Client Sample ID:**	D-2
Lab Order:	092592	**Collection Date:**	6/7/2007 10:51:00 AM
Project:	Los Valles, 0021456.40	**Matrix:**	SOIL
Lab ID:	092592-002A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_070612A	QC Batch: K07VS119			PrepDate:		Analyst: **DMP**
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Dibromomethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Ethylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Hexachlorobutadiene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Isopropylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
m,p-Xylene	ND	10		µg/Kg	1	6/12/2007 03:23 PM
Methylene chloride	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
n-Butylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
n-Propylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Naphthalene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
o-Xylene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
sec-Butylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Styrene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
tert-Butylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Toluene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Trichloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Trichlorofluoromethane	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Vinyl chloride	ND	5.0		µg/Kg	1	6/12/2007 03:23 PM
Surr: 1,2-Dichloroethane-d4	85.2	41-149		%REC	1	6/12/2007 03:23 PM
Surr: 4-Bromofluorobenzene	85.1	57-137		%REC	1	6/12/2007 03:23 PM
Surr: Dibromofluoromethane	86.4	51-137		%REC	1	6/12/2007 03:23 PM
Surr: Toluene-d8	92.2	68-127		%REC	1	6/12/2007 03:23 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT:	ERM West, Inc.	**Client Sample ID:**	D-3
Lab Order:	092592	**Collection Date:**	6/7/2007 2:07:00 PM
Project:	Los Valles, 0021456.40	**Matrix:**	SOIL
Lab ID:	092592-003A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_070612A	QC Batch: 36906			PrepDate:	6/11/2007	Analyst: **HF**
Antimony	ND	2.0		mg/Kg	1	6/12/2007 01:48 PM
Arsenic	1.3	1.0		mg/Kg	1	6/12/2007 01:48 PM
Barium	78	1.0		mg/Kg	1	6/12/2007 01:48 PM
Beryllium	ND	1.0		mg/Kg	1	6/12/2007 01:48 PM
Cadmium	ND	1.0		mg/Kg	1	6/12/2007 01:48 PM
Chromium	32	1.0		mg/Kg	1	6/12/2007 01:48 PM
Cobalt	8.6	1.0		mg/Kg	1	6/12/2007 01:48 PM
Copper	13	2.0		mg/Kg	1	6/12/2007 01:48 PM
Lead	4.8	1.0		mg/Kg	1	6/12/2007 01:48 PM
Molybdenum	ND	1.0		mg/Kg	1	6/12/2007 01:48 PM
Nickel	12	1.0		mg/Kg	1	6/12/2007 01:48 PM
Selenium	ND	1.0		mg/Kg	1	6/12/2007 01:48 PM
Silver	ND	1.0		mg/Kg	1	6/12/2007 01:48 PM
Thallium	ND	1.0		mg/Kg	1	6/12/2007 01:48 PM
Vanadium	36	1.0		mg/Kg	1	6/12/2007 01:48 PM
Zinc	42	1.0		mg/Kg	1	6/12/2007 01:48 PM
DIESEL RANGE ORGANICS BY GC/FID						
	LUFT			**EPA 8015B(M)**		
RunID: GC7_BACK_070610D	QC Batch: 36951			PrepDate:	6/12/2007	Analyst: **CBR**
DRO	ND	10		mg/Kg	1	6/13/2007 03:10 AM
Surr: p-Terphenyl	87.9	57-122		%REC	1	6/13/2007 03:10 AM
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_070612B	QC Batch: 36963			PrepDate:	6/12/2007	Analyst: **JAR**
Mercury	ND	0.10		mg/Kg	1	6/12/2007

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT:	ERM West, Inc.	**Client Sample ID:**	D-3
Lab Order:	092592	**Collection Date:**	6/7/2007 2:07:00 PM
Project:	Los Valles, 0021456.40	**Matrix:**	SOIL
Lab ID:	092592-003A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_070612A	QC Batch: K07VS119			PrepDate:		Analyst: **DMP**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,1-Dichloropropene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	6/12/2007 03:41 PM
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,3-Dichloropropane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
2,2-Dichloropropane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
2-Chlorotoluene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
4-Chlorotoluene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
4-Isopropyltoluene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Benzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Bromobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Bromoform	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Bromomethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Chlorobenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Chloroethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Chloroform	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Chloromethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT:	ERM West, Inc.	**Client Sample ID:**	D-3
Lab Order:	092592	**Collection Date:**	6/7/2007 2:07:00 PM
Project:	Los Valles, 0021456.40	**Matrix:**	SOIL
Lab ID:	092592-003A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_070612A	QC Batch: K07VS119			PrepDate:		Analyst: **DMP**
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Dibromomethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Ethylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Hexachlorobutadiene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Isopropylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
m,p-Xylene	ND	10		µg/Kg	1	6/12/2007 03:41 PM
Methylene chloride	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
n-Butylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
n-Propylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Naphthalene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
o-Xylene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
sec-Butylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Styrene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
tert-Butylbenzene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Toluene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Trichloroethene	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Trichlorofluoromethane	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Vinyl chloride	ND	5.0		µg/Kg	1	6/12/2007 03:41 PM
Surr: 1,2-Dichloroethane-d4	91.6	41-149		%REC	1	6/12/2007 03:41 PM
Surr: 4-Bromofluorobenzene	91.9	57-137		%REC	1	6/12/2007 03:41 PM
Surr: Dibromofluoromethane	95.0	51-137		%REC	1	6/12/2007 03:41 PM
Surr: Toluene-d8	99.3	68-127		%REC	1	6/12/2007 03:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: ERM West, Inc.
Work Order: 092592
Project: Los Valles, 0021456.40

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-36906** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/11/2007** RunNo: **80898**
Client ID: **PBS** Batch ID: **36906** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/12/2007** SeqNo: **1226849**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	0.128	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	0.230	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-36906** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/11/2007** RunNo: **80898**
Client ID: **LCSS** Batch ID: **36906** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/12/2007** SeqNo: **1226850**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	48.041	2.0	50.00	0	96.1	80	120				
Arsenic	46.562	1.0	50.00	0	93.1	80	120				
Barium	49.893	1.0	50.00	0.1277	99.5	80	120				
Beryllium	48.045	1.0	50.00	0	96.1	80	120				
Cadmium	47.792	1.0	50.00	0	95.6	80	120				
Chromium	49.842	1.0	50.00	0	99.7	80	120				
Cobalt	48.427	1.0	50.00	0	96.9	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ERM West, Inc.
Work Order: 092592
Project: Los Valles, 0021456.40

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-36906** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/11/2007** RunNo: **80898**
Client ID: **LCSS** Batch ID: **36906** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/12/2007** SeqNo: **1226850**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	49.702	2.0	50.00	0.2297	98.9	80	120				
Lead	48.762	1.0	50.00	0	97.5	80	120				
Molybdenum	49.526	1.0	50.00	0	99.1	80	120				
Nickel	47.455	1.0	50.00	0	94.9	80	120				
Selenium	45.377	1.0	50.00	0	90.8	80	120				
Silver	48.697	1.0	50.00	0	97.4	80	120				
Thallium	48.492	1.0	50.00	0	97.0	80	120				
Vanadium	50.321	1.0	50.00	0	101	80	120				
Zinc	47.843	1.0	50.00	0	95.7	80	120				

Sample ID: **092594-008AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/11/2007** RunNo: **80898**
Client ID: **ZZZZZZ** Batch ID: **36906** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/12/2007** SeqNo: **1226854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	80.007	2.0	125.0	0.3079	63.8	24	110				
Arsenic	100.288	1.0	125.0	3.595	77.4	61	104				
Barium	212.956	1.0	125.0	110.0	82.4	35	135				
Beryllium	99.336	1.0	125.0	0.1158	79.4	64	104				
Cadmium	101.900	1.0	125.0	0.2250	81.3	65	106				
Chromium	126.922	1.0	125.0	25.22	81.4	47	122				
Cobalt	105.108	1.0	125.0	8.899	77.0	55	111				
Copper	125.772	2.0	125.0	21.68	83.3	52	132				
Lead	103.656	1.0	125.0	7.647	76.8	37	128				
Molybdenum	99.088	1.0	125.0	0.1680	79.1	58	108				
Nickel	120.030	1.0	125.0	25.08	76.0	48	120				
Selenium	90.343	1.0	125.0	0	72.3	57	105				
Silver	104.874	1.0	125.0	0	83.9	44	116				
Thallium	96.049	1.0	125.0	0	76.8	55	103				
Vanadium	139.131	1.0	125.0	36.40	82.2	57	116				
Zinc	135.947	1.0	125.0	42.95	74.4	41	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ERM West, Inc.
Work Order: 092592
Project: Los Valles, 0021456.40

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **092594-008AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **6/11/2007** RunNo: **80898**
Client ID: **ZZZZZZ** Batch ID: **36906** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **6/12/2007** SeqNo: **1226855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	84.606	2.0	125.0	0.3079	67.4	24	110	80.01	5.59	20	
Arsenic	104.908	1.0	125.0	3.595	81.1	61	104	100.3	4.50	20	
Barium	225.040	1.0	125.0	110.0	92.1	35	135	213.0	5.52	20	
Beryllium	105.970	1.0	125.0	0.1158	84.7	64	104	99.34	6.46	20	
Cadmium	108.636	1.0	125.0	0.2250	86.7	65	106	101.9	6.40	20	
Chromium	135.036	1.0	125.0	25.22	87.9	47	122	126.9	6.19	20	
Cobalt	112.328	1.0	125.0	8.899	82.7	55	111	105.1	6.64	20	
Copper	134.351	2.0	125.0	21.68	90.1	52	132	125.8	6.60	20	
Lead	110.700	1.0	125.0	7.647	82.4	37	128	103.7	6.57	20	
Molybdenum	105.463	1.0	125.0	0.1680	84.2	58	108	99.09	6.23	20	
Nickel	127.612	1.0	125.0	25.08	82.0	48	120	120.0	6.12	20	
Selenium	97.448	1.0	125.0	0	78.0	57	105	90.34	7.57	20	
Silver	111.388	1.0	125.0	0	89.1	44	116	104.9	6.02	20	
Thallium	102.117	1.0	125.0	0	81.7	55	103	96.05	6.12	20	
Vanadium	148.003	1.0	125.0	36.40	89.3	57	116	139.1	6.18	20	
Zinc	144.326	1.0	125.0	42.95	81.1	41	120	135.9	5.98	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ERM West, Inc.
Work Order: 092592
Project: Los Valles, 0021456.40

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **092458-013A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/12/2007** RunNo: **80926**
Client ID: **ZZZZZZ** Batch ID: **36963** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/12/2007** SeqNo: **1227374**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.744	0.10	0.8300	0	89.6	58	168				

Sample ID: **092458-013A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/12/2007** RunNo: **80926**
Client ID: **ZZZZZZ** Batch ID: **36963** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/12/2007** SeqNo: **1227375**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.766	0.10	0.8300	0	92.3	58	168	0.7440	2.92	20	

Sample ID: **LCS-36963** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/12/2007** RunNo: **80926**
Client ID: **LCSS** Batch ID: **36963** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/12/2007** SeqNo: **1227380**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.800	0.10	0.8300	0.006575	95.6	80	120				

Sample ID: **MB-36963** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **6/12/2007** RunNo: **80926**
Client ID: **PBS** Batch ID: **36963** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **6/12/2007** SeqNo: **1227381**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.007	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ERM West, Inc.
Work Order: 092592
Project: Los Valles, 0021456.40

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **LCS-36951** SampType: **LCS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **6/12/2007** RunNo: **80902**
Client ID: **LCSS** Batch ID: **36951** TestNo: **EPA 8015B(M LUFT** Analysis Date: **6/12/2007** SeqNo: **1227819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	932.059	10	1000	0	93.2	65	130				
Surr: p-Terphenyl	72.579		80.00		90.7	57	122				

Sample ID: **MB-36951** SampType: **MBLK** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **6/12/2007** RunNo: **80902**
Client ID: **PBS** Batch ID: **36951** TestNo: **EPA 8015B(M LUFT** Analysis Date: **6/12/2007** SeqNo: **1227820**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
Surr: p-Terphenyl	71.716		80.00		89.6	57	122				

Sample ID: **092607-013AMS** SampType: **MS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **6/12/2007** RunNo: **80902**
Client ID: **ZZZZZZ** Batch ID: **36951** TestNo: **EPA 8015B(M LUFT** Analysis Date: **6/12/2007** SeqNo: **1227822**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	927.141	10	1000	75.02	85.2	40	147				
Surr: p-Terphenyl	66.578		80.00		83.2	57	122				

Sample ID: **092607-013AMSD** SampType: **MSD** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **6/12/2007** RunNo: **80902**
Client ID: **ZZZZZZ** Batch ID: **36951** TestNo: **EPA 8015B(M LUFT** Analysis Date: **6/12/2007** SeqNo: **1227823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	925.897	10	1000	75.02	85.1	40	147	927.1	0.134	30	
Surr: p-Terphenyl	70.083		80.00		87.6	57	122		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ERM West, Inc.
Work Order: 092592
Project: Los Valles, 0021456.40

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **K061207LCS** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **80897**
Client ID: **LCSS** Batch ID: **K07VS119** TestNo: **EPA 8260B** Analysis Date: **6/12/2007** SeqNo: **1226841**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	101.190	5.0	100.0	0	101	72	125				
Benzene	103.790	5.0	100.0	0	104	80	119				
Chlorobenzene	106.410	5.0	100.0	0	106	78	119				
MTBE	97.630	5.0	100.0	0	97.6	58	138				
Toluene	106.980	5.0	100.0	0	107	73	121				
Trichloroethene	110.730	5.0	100.0	0	111	76	120				
Surr: 1,2-Dichloroethane-d4	45.610		50.00		91.2	41	149				
Surr: 4-Bromofluorobenzene	48.790		50.00		97.6	57	137				
Surr: Dibromofluoromethane	45.690		50.00		91.4	51	137				
Surr: Toluene-d8	49.370		50.00		98.7	68	127				

Sample ID: **092572-007AMS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **80897**
Client ID: **ZZZZZZ** Batch ID: **K07VS119** TestNo: **EPA 8260B** Analysis Date: **6/12/2007** SeqNo: **1226842**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	98.060	5.0	100.0	0	98.1	49	144				
Benzene	134.200	5.0	100.0	38.98	95.2	64	128				
Chlorobenzene	104.200	5.0	100.0	0	104	44	145				
Toluene	165.370	5.0	100.0	48.46	117	51	137				
Trichloroethene	95.300	5.0	100.0	0	95.3	52	141				
Surr: 1,2-Dichloroethane-d4	48.440		50.00		96.9	41	149				
Surr: 4-Bromofluorobenzene	58.930		50.00		118	57	137				
Surr: Dibromofluoromethane	48.420		50.00		96.8	51	137				
Surr: Toluene-d8	47.390		50.00		94.8	68	127				

Sample ID: **092572-007AMSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **80897**
Client ID: **ZZZZZZ** Batch ID: **K07VS119** TestNo: **EPA 8260B** Analysis Date: **6/12/2007** SeqNo: **1226843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	94.200	5.0	100.0	0	94.2	49	144	98.06	4.02	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ERM West, Inc.
Work Order: 092592
Project: Los Valles, 0021456.40

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **092572-007AMSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **80897**
Client ID: **ZZZZZZ** Batch ID: **K07VS119** TestNo: **EPA 8260B** Analysis Date: **6/12/2007** SeqNo: **1226843**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	123.390	5.0	100.0	38.98	84.4	64	128	134.2	8.39	30	
Chlorobenzene	103.110	5.0	100.0	0	103	44	145	104.2	1.05	30	
Toluene	146.310	5.0	100.0	48.46	97.8	51	137	165.4	12.2	30	
Trichloroethene	99.320	5.0	100.0	0	99.3	52	141	95.30	4.13	30	
Surr: 1,2-Dichloroethane-d4	45.870		50.00		91.7	41	149		0	30	
Surr: 4-Bromofluorobenzene	52.530		50.00		105	57	137		0	30	
Surr: Dibromofluoromethane	44.670		50.00		89.3	51	137		0	30	
Surr: Toluene-d8	46.660		50.00		93.3	68	127		0	30	

Sample ID: **K061207MB4** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **80897**
Client ID: **PBS** Batch ID: **K07VS119** TestNo: **EPA 8260B** Analysis Date: **6/12/2007** SeqNo: **1226844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	1.070	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ERM West, Inc.
Work Order: 092592
Project: Los Valles, 0021456.40

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **K061207MB4** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **80897**
Client ID: **PBS** Batch ID: **K07VS119** TestNo: **EPA 8260B** Analysis Date: **6/12/2007** SeqNo: **1226844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ERM West, Inc.
Work Order: 092592
Project: Los Valles, 0021456.40

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **K061207MB4**	SampType: **MBLK**	TestCode: **8260_S**	Units: **µg/Kg**	Prep Date:	RunNo: **80897**
Client ID: **PBS**	Batch ID: **K07VS119**	TestNo: **EPA 8260B**		Analysis Date: **6/12/2007**	SeqNo: **1226844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	46.620		50.00		93.2	41	149				
Surr: 4-Bromofluorobenzene	47.150		50.00		94.3	57	137				
Surr: Dibromofluoromethane	47.300		50.00		94.6	51	137				
Surr: Toluene-d8	49.280		50.00		98.6	68	127				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT: ERM West, Inc.
Lab Order: 092591
Project:
Lab ID: 092591-001A

Client Sample ID: DS-1
Collection Date: 6/7/2007 1:35:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_070613A	QC Batch: 36925			PrepDate:	6/11/2007	Analyst: **CBR**
DRO	40000	200		mg/Kg	20	6/13/2007 01:34 PM
Surr: p-Terphenyl	0	57-122	SDO	%REC	20	6/13/2007 01:34 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_070611A	QC Batch: K07VS118			PrepDate:		Analyst: **DMP**
1,1,1,2-Tetrachloroethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,1,1-Trichloroethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,1,2,2-Tetrachloroethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,1,2-Trichloroethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,1-Dichloroethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,1-Dichloroethene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,1-Dichloropropene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,2,3-Trichlorobenzene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,2,3-Trichloropropane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,2,4-Trichlorobenzene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,2,4-Trimethylbenzene	790	25		µg/Kg	5	6/11/2007 04:28 PM
1,2-Dibromo-3-chloropropane	ND	50		µg/Kg	5	6/11/2007 04:28 PM
1,2-Dibromoethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,2-Dichlorobenzene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,2-Dichloroethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,2-Dichloropropane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,3,5-Trimethylbenzene	230	25		µg/Kg	5	6/11/2007 04:28 PM
1,3-Dichlorobenzene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,3-Dichloropropane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
1,4-Dichlorobenzene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
2,2-Dichloropropane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
2-Chlorotoluene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
4-Chlorotoluene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
4-Isopropyltoluene	170	25		µg/Kg	5	6/11/2007 04:28 PM
Benzene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Bromobenzene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Bromodichloromethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Bromoform	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Bromomethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Carbon tetrachloride	ND	25		µg/Kg	5	6/11/2007 04:28 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
Print Date: *13-Jun-07*

CLIENT:	ERM West, Inc.	**Client Sample ID:**	DS-1
Lab Order:	092591	**Collection Date:**	6/7/2007 1:35:00 PM
Project:		**Matrix:**	SOIL
Lab ID:	092591-001A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: MS4_070611A	QC Batch: K07VS118			PrepDate:		Analyst: **DMP**
Chlorobenzene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Chloroethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Chloroform	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Chloromethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
cis-1,2-Dichloroethene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
cis-1,3-Dichloropropene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Dibromochloromethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Dibromomethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Dichlorodifluoromethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Ethylbenzene	27	25		µg/Kg	5	6/11/2007 04:28 PM
Hexachlorobutadiene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Isopropylbenzene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
m,p-Xylene	110	50		µg/Kg	5	6/11/2007 04:28 PM
Methylene chloride	ND	25		µg/Kg	5	6/11/2007 04:28 PM
n-Butylbenzene	150	25		µg/Kg	5	6/11/2007 04:28 PM
n-Propylbenzene	39	25		µg/Kg	5	6/11/2007 04:28 PM
Naphthalene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
o-Xylene	120	25		µg/Kg	5	6/11/2007 04:28 PM
sec-Butylbenzene	49	25		µg/Kg	5	6/11/2007 04:28 PM
Styrene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
tert-Butylbenzene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Tetrachloroethene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Toluene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
trans-1,2-Dichloroethene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Trichloroethene	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Trichlorofluoromethane	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Vinyl chloride	ND	25		µg/Kg	5	6/11/2007 04:28 PM
Surr: 1,2-Dichloroethane-d4	104	41-149		%REC	5	6/11/2007 04:28 PM
Surr: 4-Bromofluorobenzene	118	57-137		%REC	5	6/11/2007 04:28 PM
Surr: Dibromofluoromethane	105	51-137		%REC	5	6/11/2007 04:28 PM
Surr: Toluene-d8	88.7	68-127		%REC	5	6/11/2007 04:28 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT: ERM West, Inc.
Lab Order: 092591
Project:
Lab ID: 092591-002A

Client Sample ID: DS-2
Collection Date: 6/7/2007 1:37:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_070609A	QC Batch: 36886			PrepDate: 6/9/2007		Analyst: **CBR**
DRO	13000	100		mg/Kg	10	6/11/2007 11:35 AM
Surr: p-Terphenyl	0	57-122	SDO	%REC	10	6/11/2007 11:35 AM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_070611A	QC Batch: K07VS118			PrepDate:		Analyst: **DMP**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,1-Dichloropropene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	6/11/2007 12:30 PM
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,3-Dichloropropane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
2,2-Dichloropropane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
2-Chlorotoluene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
4-Chlorotoluene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
4-Isopropyltoluene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Benzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Bromobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Bromoform	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Bromomethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT:	ERM West, Inc.	**Client Sample ID:**	DS-2
Lab Order:	092591	**Collection Date:**	6/7/2007 1:37:00 PM
Project:		**Matrix:**	SOIL
Lab ID:	092591-002A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_070611A	QC Batch: K07VS118			PrepDate:		Analyst: **DMP**
Chlorobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Chloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Chloroform	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Chloromethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Dibromomethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Ethylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Hexachlorobutadiene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Isopropylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
m,p-Xylene	ND	10		µg/Kg	1	6/11/2007 12:30 PM
Methylene chloride	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
n-Butylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
n-Propylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Naphthalene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
o-Xylene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
sec-Butylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Styrene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
tert-Butylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Toluene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Trichloroethene	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Trichlorofluoromethane	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Vinyl chloride	ND	5.0		µg/Kg	1	6/11/2007 12:30 PM
Surr: 1,2-Dichloroethane-d4	111	41-149		%REC	1	6/11/2007 12:30 PM
Surr: 4-Bromofluorobenzene	79.2	57-137		%REC	1	6/11/2007 12:30 PM
Surr: Dibromofluoromethane	105	51-137		%REC	1	6/11/2007 12:30 PM
Surr: Toluene-d8	83.6	68-127		%REC	1	6/11/2007 12:30 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT: ERM West, Inc.
Lab Order: 092591
Project:
Lab ID: 092591-003A

Client Sample ID: DS-3
Collection Date: 6/7/2007 1:39:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_070609A	QC Batch: 36886			PrepDate:	6/9/2007	Analyst: **CBR**
DRO	72	10		mg/Kg	1	6/9/2007 11:20 PM
Surr: p-Terphenyl	93.9	57-122		%REC	1	6/9/2007 11:20 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_070611A	QC Batch: K07VS118			PrepDate:		Analyst: **DMP**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,1-Dichloropropene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	6/11/2007 12:48 PM
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,3-Dichloropropane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
2,2-Dichloropropane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
2-Chlorotoluene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
4-Chlorotoluene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
4-Isopropyltoluene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Benzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Bromobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Bromoform	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Bromomethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *13-Jun-07*

CLIENT:	ERM West, Inc.	**Client Sample ID:**	DS-3
Lab Order:	092591	**Collection Date:**	6/7/2007 1:39:00 PM
Project:		**Matrix:**	SOIL
Lab ID:	092591-003A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: MS4_070611A	QC Batch: K07VS118			PrepDate:		Analyst: **DMP**
Chlorobenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Chloroethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Chloroform	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Chloromethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Dibromomethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Ethylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Hexachlorobutadiene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Isopropylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
m,p-Xylene	ND	10		µg/Kg	1	6/11/2007 12:48 PM
Methylene chloride	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
n-Butylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
n-Propylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Naphthalene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
o-Xylene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
sec-Butylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Styrene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
tert-Butylbenzene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Toluene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Trichloroethene	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Trichlorofluoromethane	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Vinyl chloride	ND	5.0		µg/Kg	1	6/11/2007 12:48 PM
Surr: 1,2-Dichloroethane-d4	89.8	41-149		%REC	1	6/11/2007 12:48 PM
Surr: 4-Bromofluorobenzene	90.7	57-137		%REC	1	6/11/2007 12:48 PM
Surr: Dibromofluoromethane	93.3	51-137		%REC	1	6/11/2007 12:48 PM
Surr: Toluene-d8	100	68-127		%REC	1	6/11/2007 12:48 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: ERM West, Inc.
Work Order: 092591
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **LCS-36886** SampType: **LCS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **6/9/2007** RunNo: **80855**
Client ID: **LCSS** Batch ID: **36886** TestNo: **EPA 8015B(M LUFT** Analysis Date: **6/9/2007** SeqNo: **1226003**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	916.912	10	1000	0	91.7	65	130				
Surr: p-Terphenyl	69.202		80.00		86.5	57	122				

Sample ID: **MB-36886** SampType: **MBLK** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **6/9/2007** RunNo: **80855**
Client ID: **PBS** Batch ID: **36886** TestNo: **EPA 8015B(M LUFT** Analysis Date: **6/9/2007** SeqNo: **1226004**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
Surr: p-Terphenyl	77.003		80.00		96.3	57	122				

Sample ID: **092591-003AMS** SampType: **MS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **6/9/2007** RunNo: **80855**
Client ID: **DS-3** Batch ID: **36886** TestNo: **EPA 8015B(M LUFT** Analysis Date: **6/9/2007** SeqNo: **1226008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	955.541	10	1000	72.29	88.3	40	147				
Surr: p-Terphenyl	66.241		80.00		82.8	57	122				

Sample ID: **092591-003AMSD** SampType: **MSD** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **6/9/2007** RunNo: **80855**
Client ID: **DS-3** Batch ID: **36886** TestNo: **EPA 8015B(M LUFT** Analysis Date: **6/10/2007** SeqNo: **1226009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	916.026	10	1000	72.29	84.4	40	147	955.5	4.22	30	
Surr: p-Terphenyl	66.430		80.00		83.0	57	122		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ERM West, Inc.
Work Order: 092591
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **LCS-36925**	SampType: **LCS**	TestCode: **8015_S_DSL**	Units: **mg/Kg**	Prep Date: **6/11/2007**	RunNo: **80968**
Client ID: **LCSS**	Batch ID: **36925**	TestNo: **EPA 8015B(M LUFT**		Analysis Date: **6/13/2007**	SeqNo: **1228029**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	924.315	10	1000	0	92.4	65	130				
Surr: p-Terphenyl	69.333		80.00		86.7	57	122				

Sample ID: **MB-36925**	SampType: **MBLK**	TestCode: **8015_S_DSL**	Units: **mg/Kg**	Prep Date: **6/11/2007**	RunNo: **80968**
Client ID: **PBS**	Batch ID: **36925**	TestNo: **EPA 8015B(M LUFT**		Analysis Date: **6/13/2007**	SeqNo: **1228030**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
Surr: p-Terphenyl	72.899		80.00		91.1	57	122				

Sample ID: **092554-021AMS**	SampType: **MS**	TestCode: **8015_S_DSL**	Units: **mg/Kg**	Prep Date: **6/11/2007**	RunNo: **80968**
Client ID: **ZZZZZZ**	Batch ID: **36925**	TestNo: **EPA 8015B(M LUFT**		Analysis Date: **6/13/2007**	SeqNo: **1228031**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1027.429	10	1000	0	103	40	147				
Surr: p-Terphenyl	69.543		80.00		86.9	57	122				

Sample ID: **092554-021AMSD**	SampType: **MSD**	TestCode: **8015_S_DSL**	Units: **mg/Kg**	Prep Date: **6/11/2007**	RunNo: **80968**
Client ID: **ZZZZZZ**	Batch ID: **36925**	TestNo: **EPA 8015B(M LUFT**		Analysis Date: **6/13/2007**	SeqNo: **1228032**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1064.112	10	1000	0	106	40	147	1027	3.51	30	
Surr: p-Terphenyl	74.364		80.00		93.0	57	122		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ERM West, Inc.
Work Order: 092591
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **K061107LCS** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **80860**
Client ID: **LCSS** Batch ID: **K07VS118** TestNo: **EPA 8260B** Analysis Date: **6/11/2007** SeqNo: **1226096**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	104.630	5.0	100.0	0	105	72	125				
Benzene	104.770	5.0	100.0	0	105	80	119				
Chlorobenzene	109.200	5.0	100.0	0	109	78	119				
MTBE	101.110	5.0	100.0	0	101	58	138				
Toluene	108.930	5.0	100.0	0	109	73	121				
Trichloroethene	109.160	5.0	100.0	0	109	76	120				
Surr: 1,2-Dichloroethane-d4	46.810		50.00		93.6	41	149				
Surr: 4-Bromofluorobenzene	50.190		50.00		100	57	137				
Surr: Dibromofluoromethane	48.980		50.00		98.0	51	137				
Surr: Toluene-d8	50.170		50.00		100	68	127				

Sample ID: **092554-020AMS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **80860**
Client ID: **ZZZZZZ** Batch ID: **K07VS118** TestNo: **EPA 8260B** Analysis Date: **6/11/2007** SeqNo: **1226097**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	95.240	5.0	100.0	0	95.2	49	144				
Benzene	101.090	5.0	100.0	0	101	64	128				
Chlorobenzene	99.400	5.0	100.0	0	99.4	44	145				
Toluene	100.860	5.0	100.0	0	101	51	137				
Trichloroethene	108.630	5.0	100.0	0	109	52	141				
Surr: 1,2-Dichloroethane-d4	43.770		50.00		87.5	41	149				
Surr: 4-Bromofluorobenzene	46.540		50.00		93.1	57	137				
Surr: Dibromofluoromethane	46.580		50.00		93.2	51	137				
Surr: Toluene-d8	47.710		50.00		95.4	68	127				

Sample ID: **092554-020AMSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **80860**
Client ID: **ZZZZZZ** Batch ID: **K07VS118** TestNo: **EPA 8260B** Analysis Date: **6/11/2007** SeqNo: **1226098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	94.250	5.0	100.0	0	94.2	49	144	95.24	1.04	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ERM West, Inc.
Work Order: 092591
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **092554-020AMSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **80860**
Client ID: **ZZZZZZ** Batch ID: **K07VS118** TestNo: **EPA 8260B** Analysis Date: **6/11/2007** SeqNo: **1226098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	96.010	5.0	100.0	0	96.0	64	128	101.1	5.15	30	
Chlorobenzene	93.190	5.0	100.0	0	93.2	44	145	99.40	6.45	30	
Toluene	94.050	5.0	100.0	0	94.0	51	137	100.9	6.99	30	
Trichloroethene	97.770	5.0	100.0	0	97.8	52	141	108.6	10.5	30	
Surr: 1,2-Dichloroethane-d4	44.420		50.00		88.8	41	149		0	30	
Surr: 4-Bromofluorobenzene	48.270		50.00		96.5	57	137		0	30	
Surr: Dibromofluoromethane	48.260		50.00		96.5	51	137		0	30	
Surr: Toluene-d8	48.410		50.00		96.8	68	127		0	30	

Sample ID: **K061107MB3** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **80860**
Client ID: **PBS** Batch ID: **K07VS118** TestNo: **EPA 8260B** Analysis Date: **6/11/2007** SeqNo: **1226099**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ERM West, Inc.
Work Order: 092591
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **K061107MB3** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **80860**
Client ID: **PBS** Batch ID: **K07VS118** TestNo: **EPA 8260B** Analysis Date: **6/11/2007** SeqNo: **1226099**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ERM West, Inc.
Work Order: 092591
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **K061107MB3** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **80860**
Client ID: **PBS** Batch ID: **K07VS118** TestNo: **EPA 8260B** Analysis Date: **6/11/2007** SeqNo: **1226099**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	47.560		50.00		95.1	41	149				
Surr: 4-Bromofluorobenzene	47.090		50.00		94.2	57	137				
Surr: Dibromofluoromethane	48.430		50.00		96.9	51	137				
Surr: Toluene-d8	48.460		50.00		96.9	68	127				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

APPENDIX 5.8-15

Review of the Remedial Action Plan, May 2004

COUNTY OF LOS ANGELES

FIRE DEPARTMENT

P. MICHAEL FREEMAN
FIRE CHIEF
FORESTER & FIRE WARDEN

Refer reply to
Health Hazardous Materials Division
5825 Rickenbacker Rd.
Commerce CA 90040-3027

May 20, 2004

Andres Cervantes
Los Valles Land & Golf, LLC.
233 Wilshire Blvd., Suite800
Santa Monica, CA 90401

Dear Mr. Cervantes:

FORMER SADD NORTH & SOUTH/AEO LEASES, 28801 HASLEY CANYON ROAD, CASTAIC, CA 91384 (SMU FILE # 04-604/RO0000103)

This Department has completed a review of the "Remedial Action Plan", dated May 2004, and the letter, dated May 17, 2004, submitted by your consultant, ERM. As discussed in telephone conversations between Brett Bowyer of ERM and Kim Clark of this Department on May 19, 2004, an approval is hereby granted for implementation of the workplan. This approval is contingent upon you and your representatives complying with the standards set forth in this Department's "Guidance for Site Mitigation Workplans"; Cal/EPA, Department of Toxic Substance Control's "Preliminary Endangerment Assessment Guidance Manual" (PEA); Los Angeles Regional Water Quality Control Boards' (RWQCB) "Interim Site Assessment & Clean-up Guide Book"; CCR Title 8, Section 5192, "Hazardous Waste Operations and Emergency Response"; and the following:

1. Confirmation samples shall also include analysis for heavy metals, polyaromatic hydrocarbons and polychlorinated biphenyl's (PCBs). It is recommended that the additional analyses be performed on a minimum of three of the proposed confirmation samples per area.

2. The workplan shall be adhered to as approved. Any deviation or change must be submitted in writing and written approval obtained from this Department prior to implementation.

3. All necessary permits and/or approvals for any work associated with this workplan must be obtained from the appropriate agencies. The requirements listed herein do not exempt the responsible party or his agent from compliance with any other applicable laws, regulations, or ordinances. They do not legalize waste treatment or disposal facilities and they leave unaffected any further restriction or restraint which may be contained in other statutes or required by other agencies.

4. This workplan must be implemented by July 2, 2004.

5. Notify this office at least three (3) working days prior to the implementation of this workplan.

6. All samples shall be analyzed by a laboratory which has been certified by the California Environmental Protection Agency, Department of Toxic Substances Control, for the specified EPA test methods and is capable of reaching the practical quantitation limits specified in SW-846 of those methods.

7. All key site investigation and remediation reports should be certified by an appropriate registered professional and the chief corporate officer/business owner.

8. Concurrence from this Department must be received prior to conducting a rebound test and subsequent confirmation sampling. In addition, in the event that the soil vapor extraction system operates longer than three months, quarterly monitoring reports shall be submitted to this Department.

9. The placement of the re-installed groundwater monitoring wells shall be in areas that will best define the plume, including one in the source area. Therefore, future site development should not impede the protection of groundwater, nor prohibit ideal placement of groundwater monitoring wells.

10. Groundwater wells shall be re-installed as soon as grading activities are concluded in order to begin quarterly monitoring of groundwater. Be advised that the Regional Water Quality Control Board (RWQCB) will most likely require long term monitoring since petroleum hydrocarbon contaminated soil extends to groundwater and will remain in place.

This approval does not apply to methane gas issues or other oilfield-related issues that may arise. The Health Hazardous Material Division has no authority over these issues, therefore significant issues relating to these issues are subject to approval/comment by Los Angeles County Building and Safety Department, and/or other state or local agencies. Therefore, this Department defers all methane gas issues to these agencies. If you have any questions, please feel free to call Kim Clark at (323) 890-4114.

Very truly yours,

Shahin Nourishad

SHAHIN NOURISHAD, SUPERVISOR
SITE MITIGATION UNIT
HEALTH HAZARDOUS MATERIALS DIVISION

SN:kc

cc: Brett Bowyer, ERM
Rebecca Chou, Ph.D., RWQCB

APPENDIX 5.8-16

Review of the Remedial Excavation Report, March 2010

COUNTY OF LOS ANGELES

FIRE DEPARTMENT

P. MICHAEL FREEMAN
FIRE CHIEF
FORESTER & FIRE WARDEN

Refer reply to
Health Hazardous Materials Division
5825 Rickenbacker Rd.
Commerce CA 90040-302

March 29, 2010

Amber Sakai
Los Valles Land & Golf, LLC.
28909 Hasley Canyon Road
Santa Clarita, CA 91384

Dear Ms. Sakai:

FORMER AEO/BURNS-CHRIST LEASE AREA, 28801 HASLEY CANYON ROAD, CASTAIC, CA 91384 (SMU FILE # 04-604/RO0000103)

This Department has completed a review of the "Remedial Excavation Report", dated March 9, 2010, submitted by your consultant, Stratus. Based on information provided in the report and with the provision that the information was accurate and representative of existing conditions, we concur with your consultant that the known site contamination has been satisfactorily mitigated for the current use and no further action is required in the area of the former AEO/ Burns-Christ Lease. The Site Mitigation Unit of this Department has no further requirement or restriction relating to this area at this time.

This letter, however, does not relieve you of any liability under the California Health and Safety Code, the State Water Code, or other applicable laws and regulations, nor does it relieve you of responsibility for any unidentified conditions or future operations that could pose an environmental concern. In addition, as stated in previous correspondence, dated May 29, 2004, you may be required to re-install groundwater monitoring wells in this area. Placement of the re-installed groundwater monitoring wells will be in areas that will best define the plume, including the source area. Therefore, future site development should not impede the protection of groundwater, nor prohibit ideal placement of groundwater monitoring wells. Groundwater wells shall be re-installed as soon as grading activities are concluded in order to begin quarterly monitoring of groundwater. Be advised that either this Department or the Regional Water Quality Control Board (RWQCB) may require long term monitoring since petroleum hydrocarbon contaminated soil extends to groundwater and remains in place in the North Pad of the SADD lease.

This "no further action" does not apply to the SADD Lease North or South Pads. In addition, the Health Hazardous Material Division has no authority over methane gas or other oilfield-related issues, therefore all activities and concerns relating to these issues are subject to approval/comment by Los Angeles County Building and Safety Department, and/or other state or local agencies. Therefore, this Department defers all methane gas issues to these agencies. If you have any questions, please feel free to call Kim Clark at (323) 890-4114.

Very truly yours,

Shahin Nourishad

SHAHIN NOURISHAD, SUPERVISOR
SITE MITIGATION UNIT
HEALTH HAZARDOUS MATERIALS DIVISION

SN:kc

cc: Henry Ames, Stratus
Leslie Cozby, County of Los Angeles – Dept of Public Works

APPENDIX 5.8-17

Review of the Closure Report for SADD Lease North and South Pads, April 21, 2010

COUNTY OF LOS ANGELES

FIRE DEPARTMENT

P. MICHAEL FREEMAN
FIRE CHIEF
FORESTER & FIRE WARDEN

Refer reply to
Health Hazardous Materials Division
5825 Rickenbacker Rd.
Commerce CA 90040-302

April 21, 2010

Jeff Kaplinsky
Los Valles Land & Golf, LLC.
28909 Hasley Canyon Road
Santa Clarita, CA 91384

Dear Mr. Kaplinsky:

FORMER SADD LEASES NORTH AND SOUTH PADS, 28801 HASLEY CANYON ROAD, CASTAIC, CA 91384 (SMU FILE # 04-604/RO0000103)

This Department has completed a review of the "Closure Report for the Former SADD Lease North and South Pads", dated March 2010, submitted by your consultant, ERM. Based on information provided in the report and with the provision that the information was accurate and representative of existing conditions, we concur with your consultant that the known site contamination has been satisfactorily mitigated for the proposed use of a golf course and no further action is required in the area of the former "north" or "south" pad of the SADD lease. It should also be noted that a health risk assessment (HRA) was prepared for the subject site and reviewed by Office of Environmental Health Hazard Assessment (OEHHA). Upon review of the HRA by OEHHA they concurred with the findings in the HRA that the "north and south pad" area was suitable for development as a golf course and that the passive venting system that is located in this area does not represent a hazard to golfers, nearby residences or future site workers. In addition, the vapor barrier that is present in the "north pad" will further prevent any migration of potential contaminants that may be present in soil gas. The Site Mitigation Unit of this Department has no further requirement or restriction relating to this area at this time.

This letter, however, does not relieve you of any liability under the California Health and Safety Code, the State Water Code, or other applicable laws and regulations, nor does it relieve you of responsibility for any unidentified conditions or future operations that could pose an environmental concern. You are also required to notify all future property owners/tenants of the petroleum hydrocarbon contamination that is present at depth. In addition, as stated in previous correspondence, dated May 29, 2004, you may be required to re-install groundwater monitoring wells in this area. Placement of the re-installed groundwater monitoring wells will be in areas that will best define the plume, including the source area. Therefore, future site development should not impede the protection of groundwater, nor prohibit ideal placement of groundwater monitoring wells. Groundwater wells shall be re-installed as soon as grading activities are concluded in order to begin quarterly monitoring of groundwater. Be advised that either this Department or the Regional Water Quality Control Board (RWQCB) may require long term monitoring since petroleum hydrocarbon contaminated soil extends to groundwater and remains in place in the "north pad" of the SADD lease.

You are further advised that the Health Hazardous Material Division has no authority over methane gas or other oilfield-related issues, therefore all activities and concerns relating to these issues are subject to approval/comment by Los Angeles County Building and Safety Department, and/or other state or local agencies. Therefore, this Department defers all methane gas issues to these agencies. If you have any questions, please feel free to call Kim Clark at (323) 890-4114.

Very truly yours,

SHAHIN NOURISHAD, SUPERVISOR
SITE MITIGATION UNIT
HEALTH HAZARDOUS MATERIALS DIVISION

SN:kc

cc: Truong Mai, ERM
Leslie Cozby, County of Los Angeles – Dept of Public Works

APPENDIX 5.8-18

Review of the Site Assessment Work Plan – Additional Assessment, May 2009

COUNTY OF LOS ANGELES

FIRE DEPARTMENT

P. MICHAEL FREEMAN
FIRE CHIEF
FORESTER & FIRE WARDEN

Refer reply to
Health Hazardous Materials Division
5825 Rickenbacker Rd.
Commerce CA 90040-302

May 27, 2009

Amber Sakai
Los Valles Land & Golf, LLC.
28909 Hasley Canyon Road
Santa Clarita, CA 91384

Dear Mr. Sakai:

FORMER SADD NORTH & SOUTH/AEO LEASES, 28801 HASLEY CANYON ROAD, CASTAIC, CA 91384 (SMU FILE # 04-604/RO0000103)

This Department has completed a review of the "Site Assessment Work Plan- Additional Assessment", dated May 14, 2009, submitted by your consultant, Stratus. Based on this review, an approval is hereby granted for implementation of the work plan. This approval is contingent upon you and your representatives complying with the standards set forth in Cal/EPA, Department of Toxic Substance Control's "Preliminary Endangerment Assessment Guidance Manual" (PEA); Los Angeles Regional Water Quality Control Boards' (RWQCB) "Interim Site Assessment & Clean-up Guide Book"; CCR Title 8, Section 5192, "Hazardous Waste Operations and Emergency Response"; and the following:

1. The workplan shall be adhered to as approved. Any deviation or change must be submitted in writing and written approval obtained from this Department prior to implementation.

2. A minimum waiting period of 48 to 72 hours after well construction must be observed, prior to well development, in order to allow strengthening of annular seal and well completion materials.

3. A minimum of seven day waiting period after well development must be observed prior to obtaining ground water samples for laboratory analysis. Purging must proceed until temperature, pH, and conductivity have stabilized.

4. All necessary permits and/or approvals for any work associated with this workplan must be obtained from the appropriate agencies. The requirements listed herein do not exempt the responsible party or his agent from compliance with any other applicable laws, regulations, or ordinances. They do not legalize waste treatment or disposal facilities and they leave unaffected any further restriction or restraint which may be contained in other statutes or required by other agencies.

5. This workplan must be implemented by June 30, 2009.

6. Notify this office at least three (3) working days prior to the implementation of this workplan.

Please submit all report(s) in word or pdf format on CD, in addition to the hard copy. If you have any questions, please feel free to call Kim Clark at (323) 890-4114.

Very truly yours,

SHAHIN NOURISHAD, SUPERVISOR
SITE MITIGATION UNIT
HEALTH HAZARDOUS MATERIALS DIVISION

SN:kc

cc: Henry Ames, Stratus

APPENDIX 5.8-19

Review of the Revised Site Assessment Work Plan, and Health and Safety Plan, March 2009

COUNTY OF LOS ANGELES

FIRE DEPARTMENT

P. MICHAEL FREEMAN
FIRE CHIEF
FORESTER & FIRE WARDEN

Refer reply to
Health Hazardous Materials Division
5825 Rickenbacker Rd.
Commerce CA 90040-302

March 31, 2009

Amber Sakai
Los Valles Land & Golf, LLC.
28909 Hasley Canyon Road
Santa Clarita, CA 91384

Dear Mr. Sakai:

FORMER SADD NORTH & SOUTH/AEO LEASES, 28801 HASLEY CANYON ROAD, CASTAIC, CA 91384 (SMU FILE # 04-604/RO0000103)

This Department has completed a review of the "Revised Site Assessment Work Plan", dated May 10, 2009, and the "Health and Safety Plan", submitted by your consultant, Stratus. Based on this review, an approval is hereby granted for implementation of the work plan. This approval is contingent upon you and your representatives complying with the standards set forth in Cal/EPA, Department of Toxic Substance Control's "Preliminary Endangerment Assessment Guidance Manual" (PEA); Los Angeles Regional Water Quality Control Boards' (RWQCB) "Interim Site Assessment & Clean-up Guide Book"; CCR Title 8, Section 5192, "Hazardous Waste Operations and Emergency Response"; and the following:

1. The workplan shall be adhered to as approved. Any deviation or change must be submitted in writing and written approval obtained from this Department prior to implementation.

2. All necessary permits and/or approvals for any work associated with this workplan must be obtained from the appropriate agencies. The requirements listed herein do not exempt the responsible party or his agent from compliance with any other applicable laws, regulations, or ordinances. They do not legalize waste treatment or disposal facilities and they leave unaffected any further restriction or restraint which may be contained in other statutes or required by other agencies.

3. This workplan must be implemented by May 7, 2009.

4. Notify this office at least three (3) working days prior to the implementation of this workplan.

Please submit all report(s) in word or pdf format on CD, in addition to the hard copy. If you have any questions, please feel free to call Kim Clark at (323) 890-4114.

Very truly yours,

SHAHIN NOURISHAD, SUPERVISOR
SITE MITIGATION UNIT
HEALTH HAZARDOUS MATERIALS DIVISION

SN:kc

cc: Henry Ames, Stratus

APPENDIX 5.8-20

Review of Site Summary Report, SADD, December 2006

Office of Environmental Health Hazard Assessment

Joan E. Denton, Ph.D., Director
Headquarters • 1001 I Street • Sacramento, California 95814
Mailing Address: P.O. Box 4010 • Sacramento, California 95812-4010
Oakland Office • Mailing Address: 1515 Clay Street, 16th Floor • Oakland, California 94612

Linda S. Adams
Secretary for Environmental Protection

Arnold Schwarzenegge
Governor

MEMORANDUM

TO: Kim Clark
Site Mitigation Unit
Health Hazardous Materials Division
Los Angeles County Fire Department
5825 Rickenbacker Road
Commerce, California 90040

FROM: James C. Carlisle, DVM, Senior Toxicologist
Integrated Risk Assessment Branch

DATE: December 8, 2006

SUBJECT: SADD-NORTH & SOUTH/AEO LEASES SITE IN CASTAIC, CALIFORNIA

Document Reviewed

We reviewed the Site Summary Report prepared for Los Valles Company, Inc. by Environmental Resources Management, dated April 2006.

Site Characterization

An accurate estimate of risk depends on chemical concentrations that reflect the contamination at the site. So, adequate site characterization is essential which may include sampling soil, soil-gas, water or air at the site. First, the sample locations must represent the site as a whole or at least not avoid contamination. Second, samples must be handled in such a way that chemical is not lost before the analysis takes place. Third, the sample preparation and method of analysis must be adequate to detect concentrations of chemicals of significant health concern. OEHHA assumes that sampling and analysis is comprehensive and accurate for this site.

Local project staff may be in a better position to verify the comprehensiveness of the sampling locations, sample handling, and chemical analysis, because of their proximity to and familiarity with the site.

Site Conceptual Model

Risk assessments often assume a residential scenario - i.e. that housing will be built above contaminated soil, even if that is not the intended use of the property – in order to avoid a deed restriction on the property to ensure that development occurs as described in the risk assessment. This risk assessment is based on a golf course scenario, assuming that housing will not be built above contaminated soil. The volatile chemicals in the soil are assumed to be dispersed and diluted before golf course workers and guests are exposed, resulting in much lower exposure concentrations than would be predicted if homes or other structures were built above the source of the chemical. It is also based on the impacted areas being under the golf course and covered by at least 10 feet of clean fill.

Exposure

The exposure analysis uses a point source for emissions modeling. While this seems appropriate given that vent pipes are in place, it is an approach to which I am not accustomed. Therefore, I asked Lynn Baker of the Air Resources Board (ARB) to assist me by reviewing the emission and dispersion modeling. He informed me that this modeling used appropriate or conservative parameters and therefore may be considered reliable.

No direct contact with the soil was assumed as would normally be assumed in a standard residential scenario. Presumably this is due to the fact that soil would be brought in for the golf course and neither golf course employees nor guests would contact the contaminated soil below.

Summary

This assessment evaluates only one scenario, one pathway, and three exposed populations. As such, you may wish to consider a deed restriction to limit future development to a use similar to the one assessed. OEHHA and ARB found no errors in the assessment of the golf course scenario.

If you have any questions please contact me at (916) 323-2635.

APPENDIX 5.8-21

Remedial Excavation Report, March 2010

REMEDIAL EXCAVATION REPORT

Los Valles Land and Golf Development Site
28909 Hasley Canyon Road
Santa Clarita, California 91384

SMU File #04-604/RO0000103

March 9, 2010

Prepared For:

LOS VALLES COMPANY, L.P.
28909 Hasley Canyon Road
Santa Clarita, CA

Prepared By:

STRATUS ENVIRONMENTAL, INC.
5412 Bolsa Ave., Suite G
Huntington Beach, CA 92649

STRATUS
ENVIRONMENTAL, INC.

1.0 INTRODUCTION

Stratus Environmental, Inc. (Stratus) is pleased to submit this *Remedial Excavation Report* for the Los Valles Land and Golf Development site, located at 28909 Hasley Canyon Road, Santa Clarita, California **(Figures 1 and 2)**. The remedial work included the excavation and offsite disposal of the impacted soil identified in Stratus' *Site Assessment Report & Remediation Work Plan*, dated August 4, 2009. Given that the lateral and vertical extent of the impacted soil had been defined, excavation of the impacted soil was considered the most time and cost efficient method of remedial action. Stratus presented preliminary soil cleanup levels in the *Remediation Work Plan - Addendum*, dated September 21, 2009. The remedial work referenced herein was approved by the Los Angeles County Fire Department (LACFD) in their letter dated September 21, 2009 (**Attachment A**).

2.0 BACKGROUND

The site includes 432 acres and is currently being developed with a golf course and residential housing. During the 1970s and 1980s, portions of the site were used for oil production. A total of ten oil wells were installed in three specific areas identified as: 1) AEO Lease – Burns/Crist, 2) SADD Lease – North Pad, and 3) SADD Lease – South Pad. The oil wells were abandoned in April 2003 under the direction of the California Department of Oil and Gas.

Extensive site investigation work was conducted between 1998 and 2006 to identify the presence and extent of soil and groundwater impacts from the oil production activities. As presented in the *Site Summary Report* (ERM, 2006), hydrocarbon impacted soil was identified and characterized. Based on the low concentrations of hydrocarbons detected in the soils within the AEO Lease – Burns/Crist area, no remedial work was necessary. Remedial activities were conducted at both the SADD Lease – North Pad and at the SADD Lease – South Pad to remove and reduce the contaminant mass. The chemicals of concern included total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs). Upon completion of the remedial work, a Health Risk Assessment provided confirmation that residual hydrocarbon-impacted soil at the three areas did not pose a significant risk to future occupants of the site.

Site grading operations began in 2008. In August 2008 an area of discolored soil (20-foot diameter surface stain) was discovered in the AEO Lease – Burns/Crist area **(Figure 3)**. Grading operations in the area had removed soil from the original grade to an estimated depth of 20 feet. The excavated discolored soil had been removed and placed in a stockpile and also placed as fill in a nearby area. Grading work was stopped and Stratus was contacted to collect soil samples from the exposed area of visually discolored soil.

On August 21, 2008, Stratus collected two soil samples which were submitted for laboratory analysis for total petroleum hydrocarbons (TPH; carbon chain distribution), VOCs, and semivolatile organic compounds (SVOCs) in accordance with EPA Methods 8015B, 8260B, and 8270C, respectively.

The laboratory reported that the two samples collected from the base of the excavation (LV-BS-1 and LV-BS-2) contained TPH at concentrations up to 5,530 milligrams per kilogram (mg/kg). In addition, various VOCs and SVOCs were also detected in the two soil samples.

Stratus prepared a *Revised Site Assessment Work Plan*, dated March 10, 2009, which outlined a scope of work to advance four direct-push probes to characterize the lateral and vertical extent of the impacted soil. The scope of work was approved by the Los Angeles County Fire Department (LACFD) in their letter dated March 31, 2009.

In April 2009, Stratus directed the advancement of four direct-push probes (GP-1 through GP-4) to depths up to 35 feet bgs. Elevated concentrations of TPH, VOCs, and SVOCs were identified in the soil samples collected from probe GP-1, located in the center of the area of discolored soil. TPH was detected in each of the seven samples at concentrations up to 13,170 mg/kg. The detected TPH included short-chain hydrocarbons (C6-C10), medium chain hydrocarbons (C10-C22), and long chain hydrocarbons (C22-C36). Benzene (a VOC) was detected at a concentration of 12.7 mg/kg at a depth of 20 feet bgs. Benzene was also detected at concentrations below 1 mg/kg at depths of 30 and 35 feet bgs. TPH, benzene, and other VOCs were not detected in the soil samples collected from the other three surrounding probe locations.

Stratus summarized the findings and prepared a *Site Assessment Work Plan - Additional Assessment*, dated May 14, 2009, which included a scope of work to drill one groundwater well to investigate the vertical extent of the soil contamination and the possible impact to groundwater. The additional work was approved by the LACFD in their letter dated May 27, 2009.

On June 12, 2009, Stratus supervised the advancement and installation of a nested groundwater monitoring well (total depth 79 feet bgs) and vapor extraction well (total depth 35 feet bgs). The nested well was identified as MW-8A and was located immediately adjacent to direct-push probe GP-1. The well location is shown on **Figure 4.** TPH carbon chain and total petroleum hydrocarbons as gasoline (TPHg) were not detected in any of the soil samples collected at depths below 35 feet bgs. Significantly lower concentrations of some of the detected VOCs were reported in the several of the soil samples collected below 35 feet bgs. SVOCs were not detected in the soil samples collected between 40 and 75 feet bgs.

Very low concentrations of TPHg, TPH carbon chain, and VOCs were reported in the groundwater sample collected from monitoring well MW-8A. TPHg was reported at a concentration of 0.629 milligrams per liter (mg/l). TPH as short-chain hydrocarbons (C6-C10) and medium-chain hydrocarbons (C10-C22) were detected at a total concentration of 0.92 mg/L. The detected VOCs include benzene (0.0026 mg/L) and total xylenes (0.057 mg/L). The other detected VOCs (1,2,4-trimethlybenzene, 1,3,5-trimethylbenzene and naphthalene) were reported at very low concentrations, just above the method detection limit. SVOCs were not detected above reporting limits.

The field investigation work was summarized and two remedial options were presented in Stratus' *Site Assessment Report & Remediation Work Plan*, dated August 4, 2009. Given that the lateral and vertical extent of the impacted soil had been defined, excavation of the impacted soil was considered the most time and cost efficient method of remedial action. Stratus presented preliminary soil cleanup levels in the *Remediation Work Plan - Addendum*, dated September 21, 2009. LACFD approved the remedial work in their letter dated September 21, 2009.

3.0 GROUNDWATER SAMPLING AND WELL DESTRUCTION PERMITTING

Prior to initiating the remedial excavation work, Stratus conducted groundwater purging and sampling activities at well MW-8A. This well was planned to be destroyed during the excavation work and one additional sampling event was proposed.

On September 24, 2009, a Stratus technician was onsite to purge and sample well MW-8A. The well was purged using an electric submersible Grunfos pump. Parameters such as temperature, specific conductivity, and pH were periodically collected from the extracted groundwater. Upon completion, the well was allowed to recharge to within 80% of it original volume and a groundwater sample was collected using a new disposable bailer. The groundwater sampling field data sheet is included in **Attachment B.**

The groundwater sample was submitted to a State of California licensed and ELAP-certified laboratory (Associated Laboratories). The analyses included:

- TPHg in accordance with EPA Method 8015 Modified,
- TPH carbon chain distribution in accordance with EPA Method 8015 Modified,
- VOCs in accordance with EPA Method 8260B, Full Scan.

Given that SVOCs were not detected in the previous sampling event, analysis for SVOCs was not conducted.

Stratus applied for and obtained a well destruction permit for the nested vapor extraction well/groundwater monitoring well (MW-8A) from the County of Los Angeles Bureau of Environmental Protection. The well destruction permit is included in **Attachment C**.

4.0 WELL ABANDONMENT AND SOIL EXCAVATION WORK

On December 14, 2009, the South Coast Air Quality Management District (AQMD) was notified of the pending remedial excavation work. The notification was conducted as part of the requirements outlined in Excell Excavating, Inc.'s AQMD Various Locations Rule 1166 permit.

On December 17, 2009, Stratus was onsite to abandon the nested vapor extraction well/groundwater monitoring well MW-8A. Approximately 250 pounds of bentonite chips were used to seal the 4-inch PVC casing from the total depth of 79 feet to 35 ft bgs (five feet above the potentiometric surface). The top 40-feet of the 4-inch groundwater monitoring well and 2-inch vapor extraction well (total depth of 35-feet bgs) were removed during the excavation activities to remove the impacted soil.

Well destruction activities were performed under the direct observation of Mr. Richard Jefferson of the Los Angeles County Department of Health Services.

On December 17 and 18, 2009, and February 2, 2010, Stratus was onsite to monitor the excavation work to remove the impacted soil located within the immediate vicinity of well MW-8A. The excavation area is shown on **Figure 4.** Excell Excavating, Inc., a State licensed excavation contractor, performed the soil excavation work. A Stratus representative performed the air monitoring activities to ensure compliance with the personal exposure limits specified in the health and safety plan as well as for compliance with the AQMD Rule 1166 permit requirements.

The remedial excavation activities included the removal of impacted soil within the proposed excavation area (15 foot radius of well MW-8A). The total depth of the excavation was approximately 40 feet bgs, to a depth just above the static groundwater level. One sidewall was ramped outward, at a depth of 20 feet bgs, to facilitate equipment access for the removal of soil to the target depth of 40 feet bgs.

4.1 Soil Excavation Confirmation Sampling

During the soil excavation work, excavation confirmation samples were collected from the central portion of each of the four sidewalls of the excavation. The confirmation samples were collected at approximate 10 foot intervals, from a depth of 10 feet bgs to 40 feet bgs (the total depth of the excavation). Each sample interval was scraped using the excavator bucket to collect the soil sample. Each sample was collected from the excavator's bucket, within the area of relatively undisturbed soil.

An elevated concentration of TPH was detected in the southwest sidewall sample (SW-Wall-20') collected on December 17, 2009 from a depth of 20 feet bgs. Additional soil removal work was conducted in the specified area and on February 2, 2010 and an additional soil sample was collected from the southwest sidewall at a depth of 20 bgs. This sample was submitted to the laboratory for analysis for only TPH carbon chain.

The stockpiled soil generated during grading activities in August 2008 was hauled for offsite disposal on December 18, 2009. On February 17, 2010, Stratus was onsite to collect samples from the area under the removed soil stockpile. A total of four samples (SP-SW-0.5", SP-NW-0.5', SP-NE-0.5', and SP-SE-0.5') were collected from approximately 0.5 feet below grade using a hand auger. The former stockpile location is presented on **Figure 2.**

All soil samples were collected in accordance with EPA Method 5035 and submitted to a State of California licensed and ELAP-certified laboratory (Associated Laboratories). The analyses, unless otherwise noted, included:

- TPH carbon chain distribution in accordance with EPA Method 8015 Modified,
- VOCs in accordance with EPA Method 8260B,
- SVOCs in accordance with EPA Method 8270C.

5.0 WASTE MANAGEMENT

The water generated during prior drilling activities, decontamination water, and the water from groundwater sampling activities was contained in six DOT-approved 55-gallon drums and stored temporarily onsite. The water drums are scheduled for removal and offsite disposal in March 2010. The waste manifests from the six 55-gallon drums will be forwarded under separate cover.

The soil generated during drilling activities and from the remedial excavation work was placed on visqueen sheeting and was covered on a daily basis. Between December 18, 2009 and February 18, 2010, the stockpiled soil, the soil generated during the site investigation work, and the soil from the remedial excavation work was loaded onto trucks and transported offsite for disposal. The total weight of soil hauled from the site was 2,744.21 tons. The soil was disposed of at two different Waste Management facilities (the Lancaster Landfill Recycling Center, Lancaster, CA and the McKittrick Waste Treatment Site, McKittrick, CA). The non-hazardous waste disposal manifests are included in **Attachment D**.

6.0 SUMMARY OF FINDINGS

6.1 Groundwater Analytical Results

The laboratory reported that the groundwater sample collected on September 24, 2009 did not contain any detectable concentrations of TPHg, TPH, or VOCs. The groundwater analytical results from the two sampling events (July and September 2009) are summarized in **Table 1.** The laboratory analytical report is presented in **Attachment E**.

6.2 Soil Analytical Results

The laboratory reported that the excavation confirmation samples collected on December 17 and 18, 2009 did not contain detectable concentrations of VOCs and SVOCs. TPH (carbon chain) was not detected in any of the samples with the exception of the sample collected from the southwest wall at a depth of 20 foot bgs (SW-Wall-20'). TPH was reported at a concentration of 117 mg/kg within the medium chain hydrocarbons (C13 – C22) and 110 mg/kg within the long chain hydrocarbons (C22 – C36).

The preliminary soil cleanup levels presented in Stratus' *Remediation Work Plan – Addendum*, dated September 21, 2009, referenced that the maximum TPH concentrations in soils encountered at depths below 20 feet (less than 20 feet above groundwater) would be 100 mg/kg for short chain hydrocarbons (C4-C12), 100 mg/kg for medium chain hydrocarbons (C13-C22), and 1,000 mg/kg for long chain hydrocarbons (C23-C32). Given that the detected TPH within the medium range hydrocarbons exceeded the preliminary cleanup levels, additional excavation work and resampling was conducted.

Additional excavation work was conducted on February 2, 2009 to collect an additional sample from the southwest wall (depth of 20 feet bgs) and to collect the only remaining sample from the northeast wall from a depth of 30 feet bgs. The laboratory reported that TPH was not detected in the additional sample collected from the southwest wall at a depth of 20 feet bgs. TPH (carbon

chain), VOCs, and SVOCs were not detected in the sample collected from northeast wall at a depth of 30 feet bgs.

The laboratory reported that the four soil samples collected on February 17, 2010 from the area under the former stockpile location did not contain detectable concentrations of TPH (carbon chain), VOCs, or SVOCs.

The analytical results from the excavation compliance samples and the soil samples collected from the area of the removed stockpile soil are summarized in **Table 2**. The laboratory analytical reports are included in **Attachment E**.

7.0 CONCLUSIONS

The remedial excavation work was successful in removing the impacted soil from the area surrounding well MW-8A. TPH (carbon chain), VOCs, and SVOCs were not detected above the reporting limits within any of the final excavation compliance soil samples. In addition, TPH (carbon chain), VOCs, and SVOCs were not detected above the reporting limits within the four confirmation samples collected under the former stockpile area. Based on theses results, confirmation of removal of impacted soil has been achieved.

The September 2009 groundwater analytical results confirmed that groundwater was not impacted from the identified impacted soil.

No further assessment or remedial activity appears warranted in the AEO Lease – Burns/Crist area.

8.0 LIMITATIONS

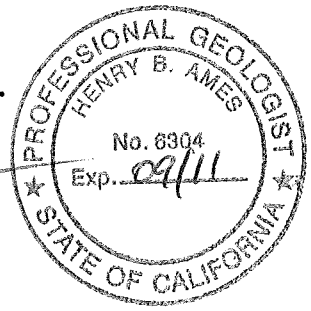
Stratus Environmental Inc. does not assume responsibility for conditions that did not come to its attention or for conditions not generally recognized as environmentally unacceptable at the time this report was prepared. Professional judgments in this report are based on evaluations of the technical information gathered, on our understanding of the project, and on our general experience in the environmental field, and should not be construed as legal opinions. This document and the information contained herein have been prepared for the use of Los Valles Company, L.P. and is to be regarded as strictly confidential to the Title Holders, and Stratus Environmental Inc. Any reliance on this report by third parties shall be at such parties' sole risk.

The professional services were performed using the degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar locations. The findings in this report are based on field observations and laboratory analytical results provided by an independent laboratory. Interpretations of the subsurface conditions at the site for the purpose of this investigation are made from a limited number of available data points. Subsurface conditions may vary away from these data points. No other warranty, either expressed or implied, is made as to the professional conclusions or recommendations contained in this report.

If you have any questions or comments concerning this *Remedial Excavation Report* please contact the undersigned at (714) 622-3912.

Sincerely,

Stratus Environmental, Inc.



Henry B. Ames, P.G. 6304
Supervising Geologist

Attachments: Table 1 – Groundwater Analytical Results
Table 2 – Soil Analytical Results

Figure 1 – Site Location Map
Figure 2 – Property Boundary Map and Former Stockpile Location
Figure 3 – Detail of AEO Lease-Burns/Crist Area
Figure 4 – Work Area

Attachment A: LA County Fire Department Letter Dated September 21, 2009
Attachment B: Groundwater Sampling Field Data Sheet
Attachment C: Well Destruction Permit
Attachment D: Waste Disposal Manifests
Attachment E: Laboratory Analytical Reports

REFERENCES

Environmental Resources Management (ERM, 2006). *Site Summary Report* (letter to LA County Fire Department), Los Valles Company, Inc., 28801 Hasley Canyon Road, Castaic, California. May 31.

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Los Valles, Santa Clarita, CA

Sample ID	Sample Collection Date	TPH (Gas) EPA Method 8015B (mg/L)	TPH (carbon chain distribution) EPA Method 8015B (mg/L)				Volatile Organic Compounds (VOCs) EPA Method 8260B (mg/L)					Semi-Volatile Organic Compounds (SVOCs) EPA Method 8270C (mg/L)
			C6 - C10	C10 - C22	C22 - C36	Total	benzene	1,2,4-trimethyl benzene	1,3,5-trimethyl benzene	naph-thalene	total xylenes	Various Compounds
MW-8A	07/01/09	**0.629**	**0.50**	**0.42**	ND	**0.92**	**0.0026**	**0.0080**	**0.018**	**0.0060**	**0.057**	No compounds detected above the method detection limit
MW-8A	09/24/09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Detection Limit (mg/L)		0.05	0.2	0.2	0.3	---	0.001	0.005	0.005	0.005	0.005	---

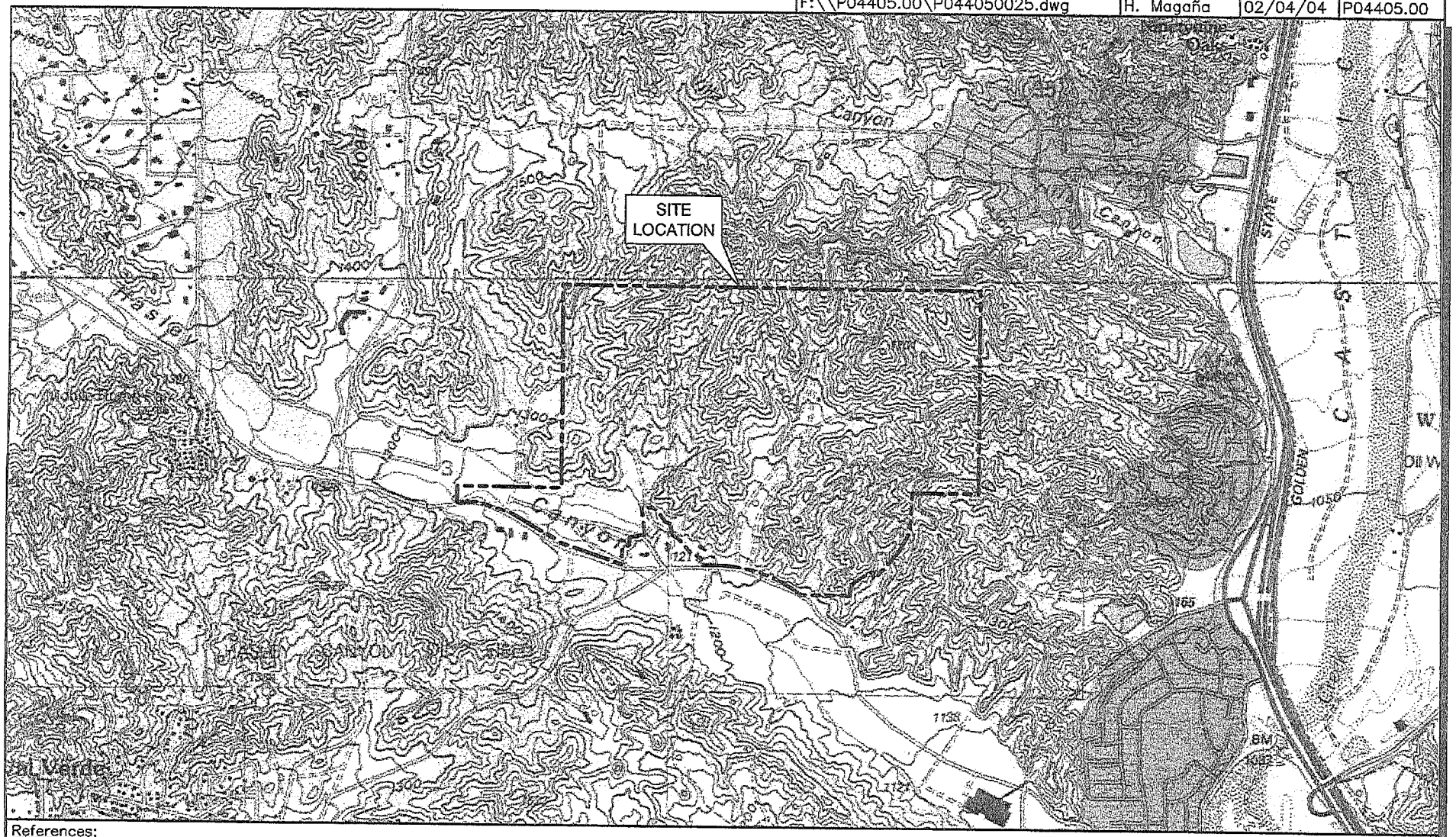
Notes:
mg/L = milligrams per liter
ND = Not detected above the method detection limit. Detection limits are presented in the laboratory report.
NA = Not analyzed
TPH = Total petroleum hydrocarbons
MW-8A was drilled immediately adjacent to GP-1
This table includes only the compounds detected by the laboratory. For a complete list of all 8260B and 8270C compounds, see laboratory report.
All samples analyzed at Associated Laboratories (Orange, CA)
Groundwater monitoring well MW-8A was abandoned / destroyed during the remedial excavation work conducted on December 17, 2009.

TABLE 2
SOIL ANALYTICAL RESULTS
EXCAVATION COMPLIANCE SAMPLES
Los Valles, Santa Clarita, CA

Sample ID	Sample Depth (feet below grade)	TPH (carbon chain distribution) EPA Method 8015B (mg/kg)				Volatile Organic Compounds (VOCs) EPA Method 8260B (mg/kg)												Semi-Volatile Organic Compounds (SVOCs) EPA Method 8270C (mg/kg)			
		C6 - C10	C10 - C22	C22 - C36	Total	benzene	1,2,4-trimethyl benzene	1,3,5-trimethyl benzene	isopropyl benzene (Cumene)	n-butyl benzene	n-propyl benzene	sec-butyl benzene	ethyl benzene	naph-thalene	toluene	p-isopropyl toluene	total xylenes	2-methyl naph-thalene	naph-thalene	bis (2-ethylhexyl) phthalate	phen-anthrene
NE-Wall - 10'	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NE-Wall - 20'	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NE-Wall - 30'	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NE-Wall - 40'	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NW-Wall - 10'	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NW-Wall - 20'	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NW-Wall - 30'	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NW-Wall - 40'	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SE-Wall - 10'	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SE-Wall - 20'	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SE-Wall - 30'	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SE-Wall - 40'	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-Wall - 10'	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-Wall - 20'**(a)**	20	ND	**117**	**110**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-Wall - 20'**(b)**	20	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SW-Wall - 30'	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-Wall - 40'	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP-SW-0.5'	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP-NW-0.5'	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP-NE-0.5'	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP-SE-0.5'	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Detection Limit (mg/kg)		3	3	5	---	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.3	0.3	0.3	0.3

Notes:
Footnote (a): Initial soil sample collected on December 17, 2009
Footnote (b): Subsequent soil sample collected on February 2, 2010.
Soil samples were collected between December 17, 2009 and February 17, 2010.
ND = Not detected above the method detection limit. Detection limits are presented in the laboratory report.
NA = Not analyzed
mg/kg = milligrams per kilogram
All samples analyzed at Associated Laboratories (Orange, CA)
The laboratory analytical reports are included in Attachment E.

CAD File:	Drawn By:	Date:	Project No.
F:\\P04405.00\P044050025.dwg	H. Magaña	02/04/04	P04405.00



References:
Seamless U.S.G.S. 7.5 Minute Topographic Series
Map created with TOPO!® © 2001
National Geographic Holdings

0 900' 1800' 3600'
SCALE IN FEET

N

Figure 1
Site Location Map
Hasley Canyon
Los Angeles County, California

ERM 03/04

CAD File: F:\P04405.00\P044050015.dwg

Drawn By: H. Magaña

Date: 02/11/04

Project No. P04405.00

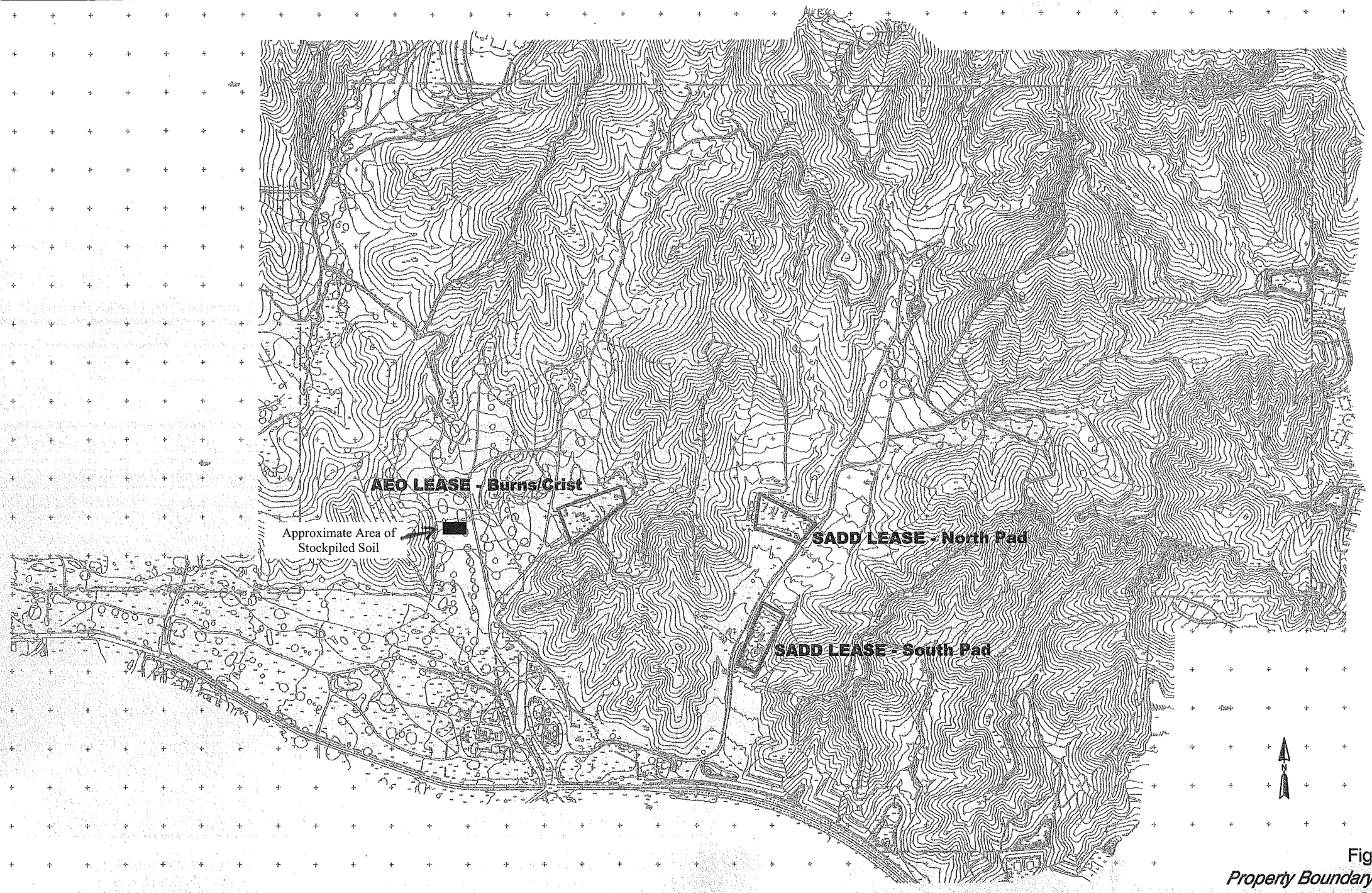
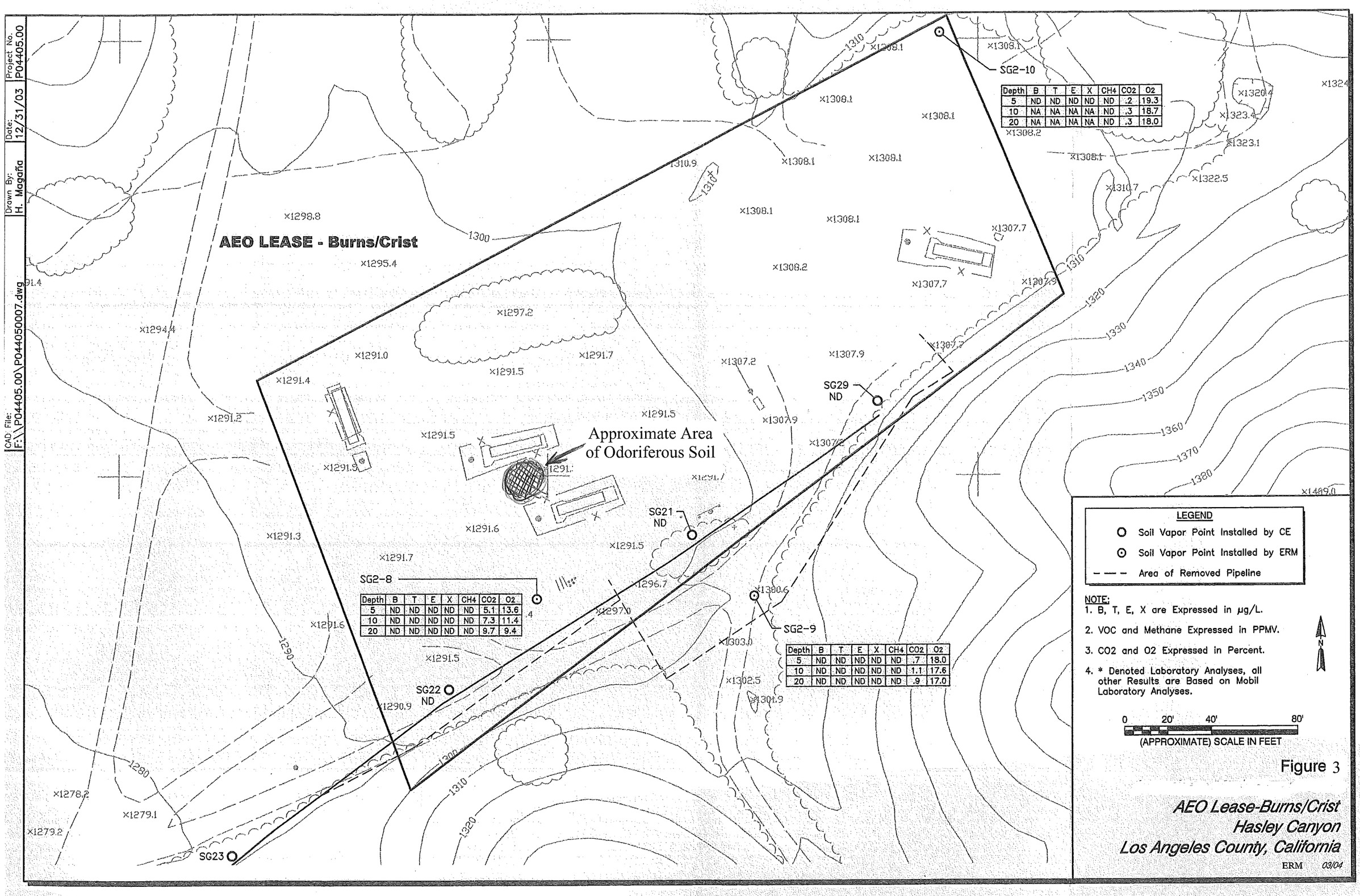


Figure 2
Property Boundary Map
Hasley Canyon
Los Angeles County, California

ERM 03/04



Depth	B	T	E	X	CH4	CO2	O2
5	ND	ND	ND	ND	ND	.2	19.3
10	NA	NA	NA	NA	ND	.3	18.7
20	NA	NA	NA	NA	ND	.3	18.0

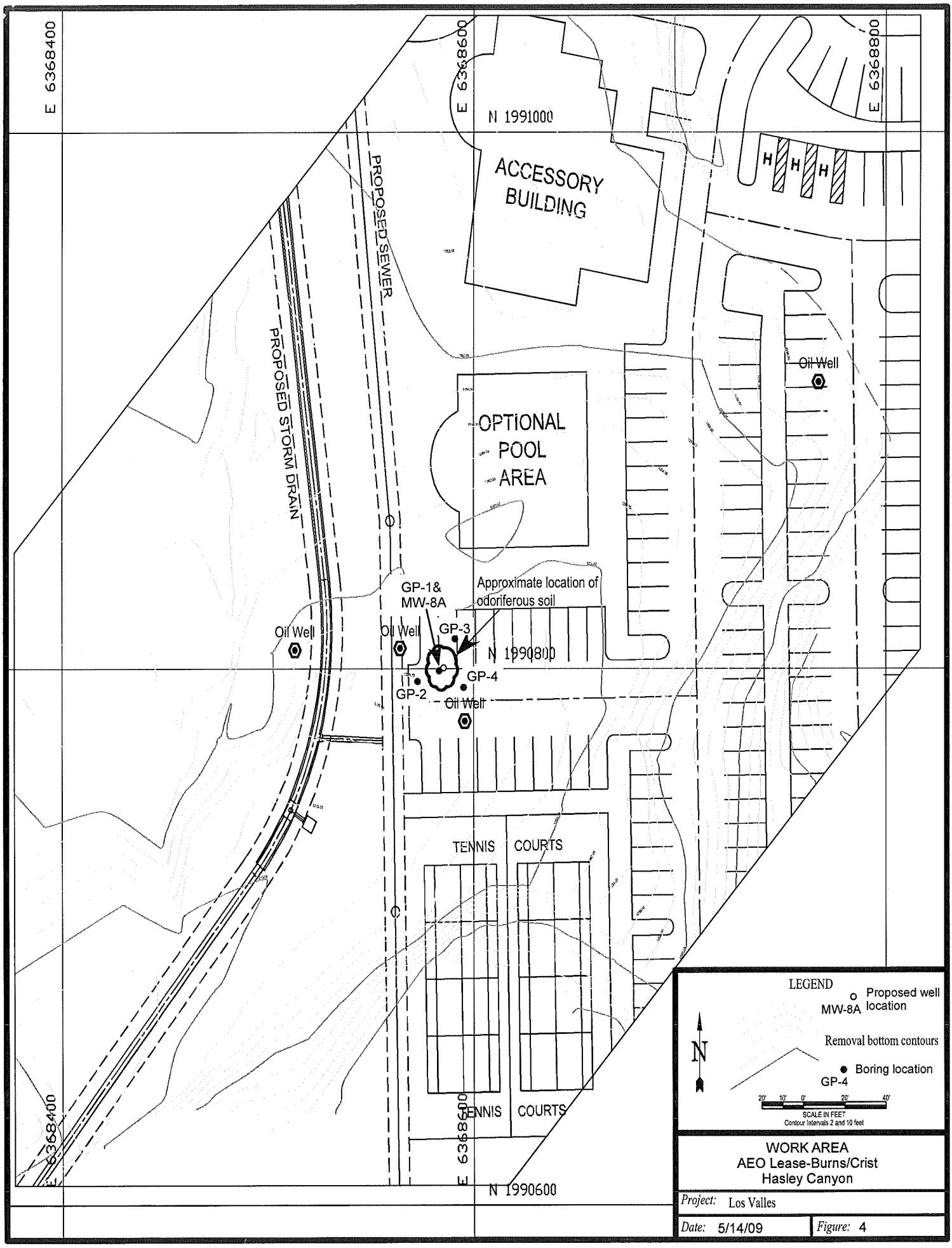
Depth	B	T	E	X	CH4	CO2	O2
5	ND	ND	ND	ND	ND	5.1	13.6
10	ND	ND	ND	ND	ND	7.3	11.4
20	ND	ND	ND	ND	ND	9.7	9.4

Depth	B	T	E	X	CH4	CO2	O2
5	ND	ND	ND	ND	ND	.7	18.0
10	ND	ND	ND	ND	ND	1.1	17.6
20	ND	ND	ND	ND	ND	.9	17.0

Figure 3

AEO Lease-Burns/Crist
Hasley Canyon
Los Angeles County, California

ERM 03/04



WORK AREA
AEO Lease-Burns/Crist
Hasley Canyon

Project: Los Valles

Date: 5/14/09 | *Figure:* 4

ATTACHMENT A

LA County Fire Department Letter
dated September 21, 2009

COUNTY OF LOS ANGELES

FIRE DEPARTMENT

P. MICHAEL FREEMAN
FIRE CHIEF
FORESTER & FIRE WARDEN

Refer reply to
Health Hazardous Materials Division
5825 Rickenbacker Rd.
Commerce CA 90040-302

September 21, 2009

Amber Sakai
Los Valles Land & Golf, LLC.
28909 Hasley Canyon Road
Santa Clarita, CA 91384

Dear Ms. Sakai:

FORMER SADD NORTH & SOUTH/AEO LEASES, 28801 HASLEY CANYON ROAD, CASTAIC, CA 91384 (SMU FILE # 04-604/RO0000103)

This Department has completed a review of the "Site Assessment Report/Remediation Work Plan", dated August 4, 2009, and the "Remediation Work Plan-Addendum", dated September 21, 2009, submitted by your consultant, Stratus. Based on this review, an approval is hereby granted for implementation of the work plan. This approval is contingent upon you and your representatives complying with the standards set forth in Cal/EPA, Department of Toxic Substance Control's "Preliminary Endangerment Assessment Guidance Manual" (PEA); Los Angeles Regional Water Quality Control Boards' (RWQCB) "Interim Site Assessment & Clean-up Guide Book"; CCR Title 8, Section 5192, "Hazardous Waste Operations and Emergency Response"; and the following:

1. The workplan shall be adhered to as approved. Any deviation or change must be submitted in writing and written approval obtained from this Department prior to implementation.

2. All necessary permits and/or approvals for any work associated with this workplan must be obtained from the appropriate agencies. The requirements listed herein do not exempt the responsible party or his agent from compliance with any other applicable laws, regulations, or ordinances. They do not legalize waste treatment or disposal facilities and they leave unaffected any further restriction or restraint which may be contained in other statutes or required by other agencies.

3. This workplan must be implemented by October 30, 2009.

4. Notify this office at least three (3) working days prior to the implementation of this workplan.

Please submit all report(s) in word or pdf format on CD, in addition to the hard copy. If you have any questions, please feel free to call Kim Clark at (323) 890-4114.

Very truly yours,

SHAHIN NOURISHAD, SUPERVISOR
SITE MITIGATION UNIT
HEALTH HAZARDOUS MATERIALS DIVISION

SN:kc

cc: Henry Ames, Stratus

ATTACHMENT B

Groundwater Sampling Field Data Sheet

STRATUS
ENVIRONMENTAL, INC.

GROUNDWATER MONITORING FIELD DATA SHEET

Project No.:	Sample Tech: D Mora	Well ID: MW-8A
Site Name: Los Valles	Site Location: Santa Clarita	DATE: 9-24-09

WELL GAUGING INFORMATION

Date Gauged	Depth of Well (ft)	Depth to Water (ft)	Calculated purge volume (gal)	Actual Purge Volume (gal)
9-24-09	75.5	38.20	73	73

Purge volumes: 2" = 0.17 gal/ft 4" = 0.65 gal/ft 6" = 1.5 gal/ft

Casing Diameter: 2"____ 4" X 4.5"____ 6"____ Other ____

Floating Product: Yes ____ No X Color ____ Thickness (ft) ____
Quantity of Free Product Skimmed/removed: N/A

Sample Date: 9-24-09 Sample Time: 1145

Depth to Water at Sample Time: 45.75

Sample Method: Pump____ Bailer____ Disposable Bailer X Other____

PURGE WATER MONITORING

Date Purged: 9-24-09	**Start time:** 0600	**End Time:** 0930
Purge Method: Grundfos Pump.		

Time	Cum. Purge Vol. (gal)	Temp (°C) F	Conduct-ivity	PH	Color	Turbidity
0600	0	67.0	1392	6.42	Clear	
0620	20	66.7	1285	6.55	Clear	
0640	35	69.1	1296	6.46	Cloudy	Went Dry 74.3
0800	55	66.4	1251	6.53	Clear	
0845	64	67.6	1172	6.58	Clear	
0930	73	71.5	1003	6.87	Clear	

Well Box Integrity (seals, bolts, lid, skirt, lock, etc):

Comments:

8 Drum Total on-site.

2-Empty Drums-on site.

5-Full Drums of purge water 1-Dozen Drum H2O

C:\word\forms\GW Sample Data Sheet.doc
Revised 9/19/99

ATTACHMENT C

Well Destruction Permit

WELL PERMIT APPLICATION - NON PRODUCTION WELLS

WATER QUALITY PROGRAM - ENVIRONMENTAL HEALTH DIVISION
5050 COMMERCE DRIVE, BALDWIN PARK, CA 91706 TELE (626) 430-5420 FAX (626) 813-3016

DATE SEPT 23, 2009

☐ NEW WELL CONSTRUCTION ☐ RECONSTRUCTION OR RENOVATION ☑ DECOMMISSIONING ☐ OTHER:
☑ MONITORING ☐ CATHODIC ☐ INJECTION ☐ EXTRACTION ☐ HEAT EXCHANGE
☐ HYDROPUNCH ☐ C.P.T. (For Ground Water Sampling) ☐ OTHER:

WELL LOCATION

Site Address: 28909 HASLEY CANYON RD | City: SANTA CLARITA | Zip Code: 91384
Nearest Intersection: DEL VALLE RD | Thomas Guide Map Book Page/Grid: 4459 E4 | Number of Wells in Each Parcel: 1

WELL STRUCTURE

Total Depth of Well: 80' | Depth of Well Casing: 77.5' | Sanitary / Annular Sealing Material: HYDRATED BENTONITE CHIPS
Depth of Sanitary / Annular Seal: 34-37 ft | Conductor Casing Seal: BENTONITE GROUT

OWNER INFORMATION

Owner's Name: LOS VALLES LAND AND GOLF DEVELOPMENT | Telephone Number: 661-295-3900
Address: 28909 HASLEY CANYON RD | City: SANTA CLARITA | Zip Code: 91384

DRILLER INFORMATION

Driller's Name: N/A | Telephone Number: | C-57 License Number:
Address: NO DRILLING COMPANY WILL BE USED DURING ABANDONMENT. | City: | Zip Code:

WELL DECOMMISSIONING INFORMATION

Well Depth ☑ log/records: 77.5' | Method of Well Assessment: MONITORING | Depth and Number of Perforations: 37.5 - 77.5 / 4 - 34'
Type and Amount of Sealant: BENTONITE GROUT | Type of Perforator: NA | Size of Perforations: 0.02" | Method of Upper Seal Pressure Application: GROUT + REMOVE TOP 30'

CONSULTANT INFORMATION

Company: STRATUS ENVIRONMENTAL
Address: 5412 BOLSA AVE | City: HUNTINGTON BCH | State: CA | Zip Code: 92649
Project Manager: HENRY AMES | Telephone Number: 714 230 2495 | Fax Number: 714 230 2496

ATTENTION: WORK PLAN MODIFICATIONS MAY BE REQUIRED IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED AT THE SITE INSPECTION ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS DEPARTMENT.

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction, and decommissioning data deemed necessary by the County Environmental Health Division Of Los Angeles County.

Signature of Applicant: STEPHEN KALINA Printed Name: STEPHEN KALINA

THIS PERMIT IS NOT COMPLETE UNTIL ALL OF THE FOLLOWING REQUIREMENTS ARE SIGNED OFF BY THE DEPUTY HEALTH OFFICER. WELL CONSTRUCTION OR DECOMMISSIONING CANNOT BE INITIATED WITHOUT A WORK PLAN APPROVAL FROM THIS DEPARTMENT.

**********(DEPARTMENT USE ONLY)**********

WORK PLAN APPROVAL (This Approval is Valid for 180 Days)	REHS	DATE
Follow work plan as submitted. Any changes must be approved by this Department prior to work. Notify this office at 818-880-3410 prior to start of project with a work schedule.	Richard Jefferson	10/5/09

FINAL INSPECTION (The placement of the annular seal must be witnessed by a Deputy Health Officer for the permit to be valid. Contact this Department to arrange for an appointment)	REHS	DATE
	Richard Jefferson	12/17/09

COUNTY OF LOS ANGELES CALIFORNIA

NOTICE

This well permit approval is limited to compliance with the California Well Standards and the Los Angeles County Code and does not grant any rights to construct, reconstruct, or decommission any well. The applicant is responsible for securing all other necessary permits.

WELL PERMIT APPLICATION - NON PRODUCTION WELLS

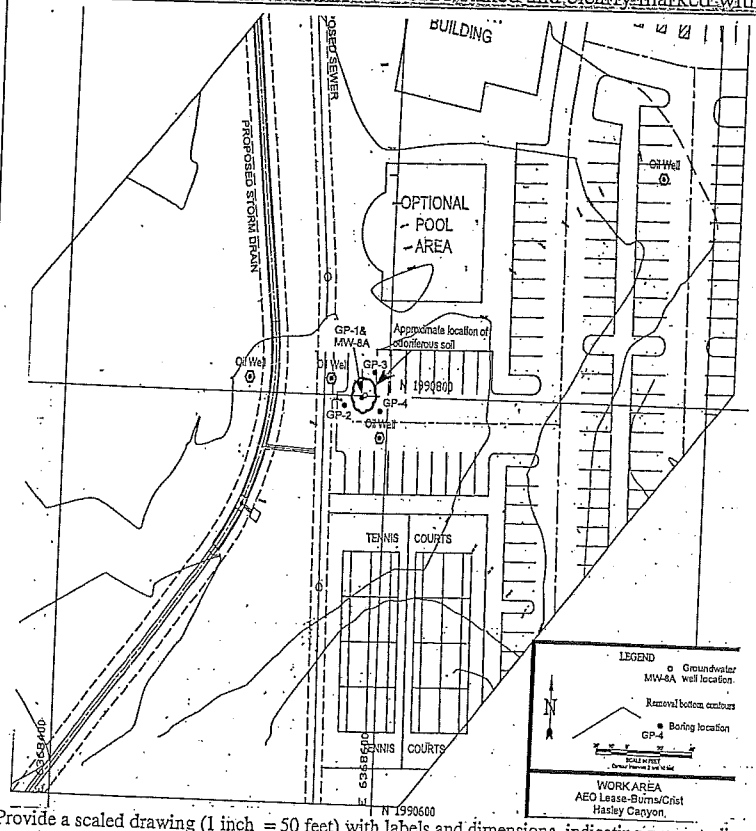
Well Location (Include distances from road and major cross streets)

Projected Start Date: OCT 2009

Projected End Date: OCT 2009 1-DAY PROJECT

WELL LOCATION DIAGRAM

At site inspection, the well location must be staked and clearly marked with the owner's name.



Provide a scaled drawing (1 inch = 50 feet) with labels and dimensions, indicating property lines, private sewage disposal systems and other possible sources of contamination within 200 feet of the well site. Attach all supporting documents.

WELL DECOMMISSIONING DIAGRAM

WORK PLAN DETAILS (Construction or Decommissioning)

FILL WELL WITH BENTONITE CHIPS/GROUT TO LEVEL ABOVE WATER LINE.
REMOVE UPPER 30 FEET DURING EXCAVATION.
2" NESTED WELL WILL BE REMOVED ENTIRELY.
BACKFILL TO GRADE.

NOTES/COMMENTS (Department Use Only)

Revised 10/07

ATTACHMENT D

Waste Manifests

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757360

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/21/2009 Vehicle# 9E03665 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest ***
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-REC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Vallas Company LP

	Time	Scale	Operator	Inbound	Gross	89600 lb
In	12/21/2009 11:56:49	Scale1	MA		Tare	25500 lb
Out	12/21/2009 11:56:49		MA		Net	64100 lb
					Tons	32.05

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

Product		LO%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-REC-	100	32.05	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Ev#8-Env Fee #8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

10 CVWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone:
4. Waste Tracking Number:

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28300 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900
Generator's Site Address (if different than mailing address):

6. Transporter 1 Company Name:
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD074563-63

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111620CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES
Signature:
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Lowbed
Signature:
Month 12 Day 19 Year 09

Transporter 2 Printed/Typed Name: #781 / ~~9280~~ 9280365
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

32 05

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Mat A
Signature:
Month 12 Day 21 Year 09

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center — Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-9468

Ticket# 737564

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/21/2009 Vehicle# 9E08600 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest ***
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-REC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	92600 lb
In	12/21/2009 12:07:41	Scale1	MA		Tare	35700 lb
Out	12/21/2009 12:07:41		MA		Net	66900 lb
					Tons	33.45

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-REC-	100	33.45	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfS-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

286
908600

12

CVMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT

2. Page 1 of 1

3. Emergency Response Phone: 6615886126

4. Waste Tracking Number:

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28005 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Cal Jacobs Service 4650 Rosedale Bakersfield Ca 93314
U.S. EPA ID Number: CA0268914

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5044
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111920CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS
Signature:
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Ross
Signature:
Month 12 Day 21 Year 09

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

33.45

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Wes A
Signature:
Month 12 Day 21 Year 09

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757569

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/21/2009 Vehicle# 9B36966 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest *****
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/21/2009 12:05:11	Scale1	MA		Gross:	77660 lb
Out	12/21/2009 12:25:11		MA		Tare	33140 lb
					Net	44520 lb
					Tons	22.26

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	22.26	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvFB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

13 CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3800

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS
Signature
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Lowbed Service 903696
Signature
Month 12 Day 21 Year 09

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

03 26

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Max A.
Signature
Month 12 Day 21 Year 09

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757374

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/21/2009 Vehicle# 9A04442 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest ****
Destination Grid
PO
Profile 111BE0CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/21/2009 12:30:55	Scale1	MA		Gross	81320 lb
Out	12/21/2009 12:30:55		MA		Tare	32820 lb
					Net	48500 lb
					Tons	24.25

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.25	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvF8-Env Fee $0 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

#9 9A04442 14 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91354
Generator's Phone: (661)295-9000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD047450363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820QA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: KENA GARZA — Signature: [signature] — Month 12 Day 21 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

12.21.09

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [signature] — Signature: [signature] — Month 12 Day 21 Year 09

169-BLC-O 6 10498 (Rev. 8/06) DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757577

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/21/2009 Vehicle# 9D83654 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code San EPA ID
Manifest
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LF

	Time	Scale	Operator	Inbound		
In	12/21/2009 13:25:22	Scale1	pe		Gross	77500 lb
Out	12/21/2009 13:25:22		pe		Tare	31180 lb
					Net	46320 lb
					Tons	23.16

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LDS	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	23.16	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $6 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

TRK 21 # 9D836544 15 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91354
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Cal Lowbed Serv.
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111920CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames
Signature: [signature]
Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Lowbed Serv.
Signature: [signature]
Month 12 Day 21 Year 09

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature: [signature]
Month 12 Day 21 Year 09

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757600

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/21/2009 Vehicle# 9640713 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest *
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/21/2009 13:34:25	Scale1	pe		Gross	89800 lb
Out	12/21/2009 13:36:25		pe		Tare	34440 lb
					Net	55360 lb
					Tons	27.68

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	27.68	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Pat Cegueira

Total Tax
Total Ticket

403WM

Truck # 565 TRK Lic# 9B40713 TRL # 16 4FR1409 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28809 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5044

U.S. EPA ID Number: CAD047458383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111620CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Arce — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: P&T Express — Signature: [signature] — Month 12 Day 21 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month 12 Day 21 Year 09

169-BLC-O 6 10498 (Rev. 8/06) DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757634

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/21/2009 Vehicle# 90011346 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest ***
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/21/2009 14:52:13	Scale1	MA		Gross	95140 lb
Out	12/21/2009 14:52:13		MA		Tare	34460 lb
					Net	50680 lb
					Tons	25.34

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	25.34	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee %8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

TR#6 908134 6 — 1 of 1 — 18 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 255-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5044

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 11182DCA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: RYAN LAWSON — Signature: [signature] — Month 12 Day 21 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

8534

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Max A — Signature: [signature] — Month 12 Day 21 Year 09

169-BLC-O 6 10498 (Rev. 8/06) DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-2468

Ticket# 757625

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/21/2009 Vehicle# 9073307 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest ***
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/21/2009 14:55:41	Scale1	MA		Gross	82900 lb
Out	12/21/2009 14:55:41		MA		Tare	35500 lb
					Net	47400 lb
					Tons	23.70

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	23.70	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvFB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

17 CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone
4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY LP.
28908 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)285-3000
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5044
U.S. EPA ID Number: CAD047458363

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA				
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS
Signature
Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials CA 9D 73307 19 BO-6

Transporter 1 Printed/Typed Name: Mark Yarberry
Signature
Month 12 Day 20 Year 9

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

2370

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month 12 Day 21 Year 09

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93533
Ph: 661-726-3460

Ticket# 757637

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/21/2009 Vehicle# 9E08600 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000417
State Waste Code Gen EPA ID
Manifest ***
Destination Grid
PO
Profile 111BZOCA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Vallas Company LP

	Time	Scale	Operator	Inbound		
In	12/21/2009 15:22:22	Scale1	MA		Gross	82460 lb
Out	12/21/2009 15:22:22		MA		Tare	25700 lb
					Net	56760 lb
					Tons	28.38

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	28.38	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvFB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

PR 280
LIC 920840

20 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1	661 5866426	

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 255-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Colorado Sand 4150 Rosedale, Bakersfield Ca 93314
U.S. EPA ID Number CAD026881111

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5044
U.S. EPA ID Number CAD047456303

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES
Signature
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Ayre
Signature
Month 12 Day 21 Year 09

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

28.35

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Don A.
Signature
Month 12 Day 21 Year 09

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center — Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 737642

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/21/2009 Vehicle# 9E09665 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest ***
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	85020 lb
In	12/21/2009 15:30:05	Scale1	MA		Tare	25500 lb
Out	12/21/2009 15:20:05		MA		Net	59520 lb
					Tons	29.76

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	29.76	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		X				Santa Clar
3	Evf8-Env Fee $8 Ly	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

19 CVMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)285-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD047468363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Coubert — Signature: [signature] — Month 12 Day 19 Year 09

Transporter 2 Printed/Typed Name: 281 / 9503665 — Signature: — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

89.76

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Mac A. — Signature: [signature] — Month 12 Day 19 Year 09

169-BLC-O 6 10498 (Rev. 8/06) DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 737656

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/21/2009 Vehicle# 9036966 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest ****
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-REC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/21/2009 16:12:02	Scale0	MA		Gross	81020 lb
Out	12/21/2009 16:12:02		MA		Tare	33140 lb
					Net	47940 lb
					Tons	23.97

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-REC-	100	23.97	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvFB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

21 CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone:
4. Waste Tracking Number:

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3800
Generator's Site Address (if different than mailing address):

6. Transporter 1 Company Name: U.S. EPA ID Number:

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Henry Ames
Signature: Henry Ames
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Cal Looped Service 9036966
Signature:
Month 12 Day 21 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

03.92

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Max A.
Signature:
Month 12 Day 21 Year 09

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93533
Ph: 661-726-3468

Ticket# 757554

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/21/2009 Vehicle# 9D81346 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest ***
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	94140 lb
In	12/21/2009 11:44:30	Scale1	MA		Tare	34460 lb
Out	12/21/2009 11:44:30		MA		Net	49680 lb
					Tons	24.84

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.84	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

TR#6 9081346 11 CVMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28000 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)296-3800

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD047456383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Amos — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Brian Lawson — Signature: [signature] — Month Day Year

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

24184

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Roy B. — Signature: [signature] — Month 12 Day 21 Year 09

169-BLC-O 6 10498 (Rev. 8/06) DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757552

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/21/2009 Vehicle# 9073307 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest ***
Destination Grid
PO
Profile 111920CA (Cont Soil Pet-REC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	87160 lb
In	12/21/2009 11:41:52	Scale1	MA		Tare	35500 lb
Out	12/21/2009 11:41:52		MA		Net	51660 lb
					Tons	25.83

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-REC-	100	25.83	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Mark Gonzalez

Total Tax
Total Ticket

403WM

CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)285-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5044
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111020CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY ANCS
Signature: [signature]
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials CA 9072330 7 19 BD-6

Transporter 1 Printed/Typed Name: Mark Yanberry
Signature: Mark Yanberry
Month 12 Day 20 Year 9

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

3583

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Mat H.
Signature: [signature]
Month 12 Day 21 Year 09

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center — Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 737500

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/21/2009 Vehicle# 9640713 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest ****
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	82620 lb
In	12/21/2009 10:00:43	Scale1	MA		Tare	34440 lb
Out	12/21/2009 10:23:25	Scale2	MA		Net	48180 lb
					Tons	24.09

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.09	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Pat Cayuma

Total Tax
Total Ticket

403WM

Truck # 98 TNK 98 40713 TKL 88500 4FR1494 8 CWMI (31)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY LP
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD947456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111920CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: P&T Express — Signature: [signature] — Month 12 Day 21 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

24.09

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Max A. — Signature: [signature] — Month 12 Day 21 Year 07

169-BLC-O 6 10498 (Rev. 8/06) **DESIGNATED FACILITY'S COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757499

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/21/2009 Vehicle# 9D83654 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest ***
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	70180 lb
In	12/21/2009 09:59:10	Scale2	MA		Tare	31180 lb
Out	12/21/2009 09:59:10		MA		Net	39000 lb
					Tons	19.50

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	19.50	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

#9083654 7 CWMI 70940

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28908 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Cal Lowbed Serv.
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944
U.S. EPA ID Number: CAD047458383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 11192002					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames
Signature: [signature]
Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Lowbed Serv.
Signature: [signature]
Month 12 Day 21 Year 09

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

19.50

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [illegible]
Signature: [signature]
Month 12 Day 21 Year 09

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757475

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/21/2009 Vehicle# 9A04442 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest ****
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/21/2009 09:08:21	Scale1	MA		Gross	80000 lb
Out	12/21/2009 09:08:21		MA		Tare	32820 lb
					Net	47180 lb
					Tons	23.59

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	23.59	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvF8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

#9 9A04442 6 CVMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28809 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD074558363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111620CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: RENE GARZA — Signature: [signature] — Month 12 Day 21 Year 09

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

8359

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Max A. — Signature: [signature] — Month 12 Day 21 Year 09

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757470

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/21/2009 Vehicle# 9D36966 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest #
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/21/2009 08:59:06	Scale1	MA		Gross	71000 lb
Out	12/21/2009 08:59:06		MA		Tare	33140 lb
					Net	37860 lb
					Tons	18.93

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	18.93	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

5 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address

LOS VALLES COMPANY L.P.
23908 HASLEY CANYON RD.
SANTA CLARITA 91384

Generator's Phone: (661)295-3800

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535

CAD047456383

Facility's Phone: (661)945-5944

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111620CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Amos — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Loaded Service — Signature: [signature] — Month 12 Day 21 Year 09

Transporter 2 Printed/Typed Name: 9036966 — Signature: [signature] — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [illegible] — Signature: Matt Young — Month 12 Day 21 Year 09

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06) DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757466

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/21/2009 Vehicle# 9D81346 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest #
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValliesCompanyLF Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/21/2009 08:47:00	Scale1	pe		Gross	79680 lb
Out	12/21/2009 08:47:00		pe		Tare	34460 lb
					Net	45220 lb
					Tons	22.61

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	22.61	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

TR#: 9D21316 4 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944

U.S. EPA ID Number: CAD047456383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Brian Lawson — Signature: [signature] — Month 12 Day 21 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month 12 Day 21 Year 09

DESIGNATED FACILITY'S COPY

169-BLC-O 6 10498 (Rev. 8/06)

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757465

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/21/2009 Vehicle# 9E00600 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest *
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	85560 lb
In	12/21/2009 08:42:22	Scale1	pe		Tare	25700 lb
Out	12/21/2009 08:42:22		pe		Net	59860 lb
					Tons	29.93

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	29.93	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

WM

Ta 780
Lic 9808600

2

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1	6615886426	

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28809 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Cal Jacobel Services 4850 Rosedale Ln Bakersfield 93314
U.S. EPA ID Number: CA026801

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
900 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047458363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS
Signature:
Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Baez Sr.
Signature:
Month 12 Day 21 Year 09

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature:
Month 12 Day 21 Year 09

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757464

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/21/2009 Vehicle# 9D73307 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest *
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/21/2009 08:36:57	Scale1	pe		Gross	78740 lb
Out	12/21/2009 08:36:57		pe		Tare	35500 lb
					Net	43240 lb
					Tons	21.62

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	21.62	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee #8 Lg	100	1	Load				Santa Clar

Mark Harbron

Total Tax
Total Ticket

403WM

3 CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28908 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-4000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5044

U.S. EPA ID Number: CAD047456363

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820OA				
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials CA 9083307 12-20-09

Transporter 1 Printed/Typed Name: Mark Harbers — Signature: [signature] — Month 12 Day 20 Year 9

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month 12 Day 21 Year 09

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757439

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/21/2009 Vehicle# 9E03665 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest #
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/21/2009 08:23:27	Scale1	pe		Gross	89920 lb
Out	12/21/2009 08:23:27		pe		Tare	25500 lb
					Net	64320 lb
					Tons	32.16

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	32.16	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28508 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 255-3600

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 946-5944

U.S. EPA ID Number: CAD047466383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Trucking — Signature: [signature] — Month 12 Day 19 Year 09

Transporter 2 Printed/Typed Name: # 281 / 9803665 — Signature: — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month 12 Day 21 Year 09

2ND LANCASTER HAUL

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3448

Lancaster Landfill Recycling Center
Ticket# 765988

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/16/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

Carrier Fulblic Hauler Self
Vehicle# 9D81346 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	81460 lb
In	02/16/2010 11:51:10	Scale1	PE		Tare	34460 lb
Out	02/16/2010 11:51:10		PE		Net	47000 lb
					Tons	23.50

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	23.50	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

Truck 9081346 2ND LANCASTER HAUL 30 4/5 6623 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047458383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Auss — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Cal Cowbed — Signature: [signature] — Month Day Year
Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name — Signature: [signature] — Month Day Year 12/19/10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 765989

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9D79669 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest **
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 11:54:38	Scale1	PE		Gross	82140 lb
Out	02/16/2010 11:54:38		PE		Tare	36240 lb
					Net	45900 lb
					Tons	22.95

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	22.95	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

31 CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone:
4. Waste Tracking Number:

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address):

6. Transporter 1 Company Name: CAL LOWBED
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
TRUCK 11 9D79669
4G91346

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS
Signature:
Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MIKE SILVA
Signature:
Month 2 Day 16 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month 2 Day 16 Year 10

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766004

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/16/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 32
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValliesCompanyLP Los Valles Company LP

Carrier Pubblic Hauler Self
Vehicle# 9D83654 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	02/16/2010 12:32:51	Scale1	HP		Gross	83080 lb
Out	02/16/2010 12:32:51		HP		Tare	31180 lb
					Net	51900 lb
					Tons	25.95

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	25.95	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvF8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

Tr# 9083654 32 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28800 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3800

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Pat Lowsed Service
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames
Signature: [signature]
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MARTY GREEN
Signature: [signature]
Month 2 Day 16 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

25 95

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Heather Reyes
Signature: [signature]
Month 2 Day 16 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06) TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766008

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/16/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 33
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

Carrier Pulblic Hauler Self
Vehicle# 9E08600 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	02/16/2010 12:39:52	Scale1	HP		Gross	82060 lb
Out	02/16/2010 12:59:52		HP		Tare	25700 lb
					Net	56360 lb
					Tons	28.18

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	28.18	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfS-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

T 280 Lic 9E08600
Trailer 4JB5273

33

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1	661 5086410	

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28809 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3800

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Cal Coast Service
U.S. EPA ID Number: CAR 000 000 011

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047458363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Amos
Signature: [signature]
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Bosco Sr.
Signature: [signature]
Month 12 Day 16 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

98.18

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Heather Peters
Signature: [signature]
Month 12 Day 16 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3448

Lancaster Landfill Recycling Center
Ticket# 766072

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9D81346 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest **
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValllesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 14:53:36	Scale1	PE		Gross	79840 lb
Out	02/16/2010 14:53:36		PE		Tare	34460 lb
					Net	45380 lb
					Tons	22.69

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	22.69	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfS-Env Fee $6 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

Truck 908134 6 915G6231 38 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28908 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-6944

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 11182DCA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Amos — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Allan Reed — Signature: [signature] — Month 12 Day 19 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name — Signature: [signature] — Month 12 Day 16 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06) DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766076

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9D79669 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest **
Destination Grid
PO
Profile 111620CA (Cont Soil Pet-REC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 15:00:39	Scale1	PE		Gross	83360 lb
Out	02/16/2010 16:00:39		PE		Tare	36240 lb
					Net	47120 lb
					Tons	23.56

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-REC-	100	23.56	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

39 CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28908 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: CALLOWBER
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944
U.S. EPA ID Number: CAD047466383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
9079669
4641346

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES
Signature:
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MIKE SOLL
Signature:
Month 2 Day 16 Year 16

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month 2 Day 16 Year 16

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-8468

Lancaster Landfill Recycling Center
Ticket# 766106

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9083654 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest *
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-REC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 15:44:35	Scale1	PE		Gross	86680 lb
Out	02/16/2010 15:44:35		PE		Tare	31180 lb
					Net	55500 lb
					Tons	27.75

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-REC-	100	27.75	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

TRK #9D83654 40 CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28809 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3800
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Carl Lawson Service
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944
U.S. EPA ID Number: CAD047458363

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES
Signature: [signature]
Month 12 Day 19 Year 09

15. International Shipments ☑ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MARTY GREEN
Signature: [signature]
Month 2 Day 16 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature: [signature]
Month 2 Day 16 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 766100

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9E08600 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest *
Destination Grid
PO
Profile 111920CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValliesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 15:47:55	Scale1	PE		Gross	83900 lb
Out	02/16/2010 15:47:55		PE		Tare	25700 lb
					Net	58200 lb
					Tons	29.10

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	29.10	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

Lic SE08600
4JB5243

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CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT

2. Page 1 of 1

3. Emergency Response Phone: 661 588 6410

4. Waste Tracking Number:

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3000

Generator's Site Address (if different than mailing address):

6. Transporter 1 Company Name: Cal Hauled Service
U.S. EPA ID Number: CAL 000601

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5844
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 11182DOA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES
Signature:
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Rosse Sr.
Signature:
Month 2 Day 16 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month 2 Day 16 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center

Original

Ticket# 766112

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9098148 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 42
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 16:01:24	Scale1	PE		Gross	91900 lb
Out	02/16/2010 16:01:24		PE		Tare	33940 lb
					Net	57960 lb
					Tons	28.98

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	28.98	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

9D98148-1290
4CT182-148

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NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28908 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 286-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Golden Const.
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111920CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES
Signature: [signature]
Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Golden Const.
Signature: [signature]
Month 12 Day 16 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature: [signature]
Month 12 Day 16 Year 10

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766113

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/16/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest **
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

Carrier Public Hauler Self
Vehicle# 9D05746 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	02/16/2010 16:04:11	Scale1	PE		Gross	84440 lb
Out	02/16/2010 16:04:11		PE		Tare	31340 lb
					Net	53100 lb
					Tons	26.55

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	26.55	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

43 CWMI

T# 155 TRUCK 9005 TRAILER 4EM2580

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28809 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3800

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Golden Cons
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5844
U.S. EPA ID Number: CAD047456383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Amos
Signature: [signature]
Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature: [signature] | Month 12 Day 16 Year 10

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center

Original

Ticket# 766118

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/16/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

Carrier Pulblic Hauler Self
Vehicle# 9D05745 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	02/16/2010 16:14:01	Scale1	PE		Gross	83180 lb
Out	02/16/2010 16:14:01		PE		Tare	30460 lb
					Net	52720 lb
					Tons	26.36

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	26.36	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

4/5 CWMI

Shaff's Trans Tak 156 LN#9705745 Tl 4EV2858

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
900 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5844

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☑ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Travis Chase — Signature: [signature] — Month 2 Day 16 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month 2 Day 16 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766121

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/16/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 44
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

Carrier Pulblic Hauler Self
Vehicle# 9E03665 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	02/16/2010 16:22:52	Scale1	PE		Gross	81160 lb
Out	02/16/2010 16:22:52		PE		Tare	25500 lb
					Net	55660 lb
					Tons	27.83

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	27.83	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

44 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

#781 Lic # 9E0360 5

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Lowbed — Signature: [signature] — Month 7 Day 16 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month Day Year 12/16/10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06) DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766010

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9D98148 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 34
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	80720 lb
In	02/16/2010 12:42:22	Scale1	HP		Tare	33940 lb
Out	02/16/2010 12:42:22		HP		Net	46780 lb
					Tons	23.39

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	23.39	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

9D98148 # 290
4CT182 # 146
34
CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28000 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Golden Const.
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
900 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047468383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames
Signature: Henry Ames
Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Golden Const.
Signature: Richard Langley
Month 12 Day 16 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

2339

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Robert Peters
Signature:
Month 12 Day 16 Year 10

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TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766011

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9005746 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 35
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 12:45:12	Scale1	HP		Gross	80460 lb
Out	02/16/2010 12:45:12		HP		Tare	31340 lb
					Net	49120 lb
					Tons	24.56

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.56	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

T# 155 TRUCK 9005744 TRAILER 4EM2520 35

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
23909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: GOLDEN COAST
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
800 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-0944
U.S. EPA ID Number: CAD047456353

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS
Signature: [signature]
Month 12 Day 19 Year 09

INT'L

15. International Shipments ☑ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Tim Bugg
Signature: [signature]
Month 2 Day 16 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

21.560

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Heather Yates
Signature: [signature]
Month 1 Day 6 Year 10

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center

Original

Ticket# 766014

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9E03665 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 37
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	80580 lb
In	02/16/2010 12:51:12	Scale1	MP		Tare	25500 lb
Out	02/16/2010 12:51:12		MP		Net	55080 lb
					Tons	27.54

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	27.54	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

37 CVWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-2900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
800 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944

U.S. EPA ID Number: CAD047456383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111920CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

#281 CK 920 3455

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Transporter 2 Printed/Typed Name: Cal Low bed — Signature: [signature] — Month 2 Day 16 Year 10

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

2154

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Heather Eales — Signature: [signature] — Month 2 Day 16 Year 10

169-BLC-O 6 10498 (Rev. 8/06) TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center

Original

Ticket# 766015

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9D05745 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 36
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 12:52:41	Scale2	MP		Gross	81940 lb
Out	02/16/2010 12:52:41		MP		Tare	30460 lb
					Net	51380 lb
					Tons	25.69

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	25.69	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

36 CWMI

SAAF'S TRANS TK 156 [illegible] 9005745 TK# 4EV2858

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047466363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: TRAVIS CHAVEZ — Signature: [signature] — Month 12 Day 16 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month 12 Day 16 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-8468

Lancaster Landfill Recycling Center
Ticket# 765885

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 02/16/2010 Vehicle# 9D81346 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 24
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-R&C"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 08:26:12	Scale1	MP		Gross	81060 lb
Out	02/16/2010 08:26:12		MP		Tare	34460 lb
					Net	46600 lb
					Tons	23.30

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-R&C-	100	23.30	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $3 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

Truck 908134 6 - Trailer 4166231 24 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Cowbed TR#6 — Signature: [signature] — Month 2 Day 16 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

2330

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Heather Peters — Signature: [signature] — Month 2 Day 16 Year 10

169-BLC-O 6 10498 (Rev. 8/06) TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-9468

Lancaster Landfill Recycling Center
Ticket# 765686

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9D79669 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 25
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 08:29:57	Scale1	HP		Gross	85340 lb
Out	02/16/2010 08:29:57		HP		Tare	36240 lb
					Net	49100 lb
					Tons	24.55

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.55	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

25 CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28908 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: CAL LOW BED
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047466363

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111520CA					
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
TRUCK # 9D79669
4GY1346

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES
Signature
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MIKE SILVA
Signature
Month 2 Day 16 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

24.55

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Hoskor Rolas
Signature
Month 2 Day 16 Year 10

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 765889

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 02/16/2010 Vehicle# 9D83654 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 86
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 08:36:43	Scale2	MP		Gross	86280 lb
Out	02/16/2010 08:36:43		MP		Tare	31180 lb
					Net	55100 lb
					Tons	27.55

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	27.55	Tons				Santa Clar
2 FUEL-Fuel Surcharg	100		%				Santa Clar
3 EVFB-Env Fee $8 Lg	100	1	Load				Santa Clar

Matt D

Total Tax
Total Ticket

Driver's Signature

403WM

BIC H
TRK 9D23654 26
TRAIL 4JR8453

CYMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 286-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Cal Lowsed Service
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS
Signature: [signature]
Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Martin Green
Signature: [signature]
Month 12 Day 16 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

9755

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Gotherreks
Signature: [signature]
Month 12 Day 16 Year 10

WASTE MANAGEMENT

600 East Avenue F-
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 765902

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/16/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 23
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

Carrier Pulblic Hauler Self
Vehicle# 9E08600 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	02/16/2010 09:17:08	Scale1	HP		Gross	81140 lb
Out	02/16/2010 09:17:08		HP		Tare	25700 lb
					Net	55440 lb
					Tons	27.72

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	27.72	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee #8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

780 Lic # 9E08600
Trailer 4JB5243

23

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1	661-588-6410	

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28900 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)296-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Cal Lowbed Service
U.S. EPA ID Number: CAT 000268011

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111620CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS
Signature: [signature]
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Milburn Sa
Signature: [signature]
Month 02 Day 16 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

27.72

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Victor Reyes
Signature: [signature]
Month 2 Day 16 Year 10

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center

Original

Ticket# 765906

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9E03665 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 22
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-R&C"Excell Excavating)
Generator 144-LosValliesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 09:23:27	Scale1	MP		Gross	83460 lb
Out	02/16/2010 09:23:27		MP		Tare	25500 lb
					Net	57960 lb
					Tons	28.98

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-R&C-	100	28.98	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

22 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944

U.S. EPA ID Number: CAD047458363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

TRK # 781 - Lic # 9203665

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Amos — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Low bed — Signature: [signature] — Month 2 Day 16 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Heather Rales — Signature: [signature] — Month 2 Day 16 Year 10

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 765899

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9098148 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 27
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 09:07:21	Scale1	MP		Gross	85980 lb
Out	02/16/2010 09:31:37	Scale2	PE		Tare	33940 lb
					Net	52040 lb
					Tons	26.02

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	26.02	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

Truck 9098148 #299
Trailer 4607857 #146

27

CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Golden Const.
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111920CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames
Signature: [signature]
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Golden Const.
Signature: [signature]
Month 2 Day 16 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Heather Peters
Signature: [signature]
Month 2 Day 16 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center

Original

Ticket# 765900

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9D05746 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 29
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/16/2010 09:11:22	Scale1	HP		Gross	76320 lb
Out	02/16/2010 09:34:36	Scale2	PE		Tare	31340 lb
					Net	44980 lb
					Tons	22.49

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	22.49	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

#19D05746 23 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY LP.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Golden West — U.S. EPA ID Number:

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944
U.S. EPA ID Number: CAD074588303

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820OA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Golden West — Signature: [signature] — Month 12 Day 19 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Hector Valdez — Signature: [signature] — Month 12 Day 16 Year 10

169-BLC-O 6 10498 (Rev. 8/06) TRANSPORTER #2

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-9468

Lancaster Landfill Recycling Center
Ticket# 765901

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/16/2010 Vehicle# 9D05745 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 29
Destination Grid
PO
Profile 111B20CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	80360 lb
In	02/16/2010 09:14:53	Scale1	HP		Tare	30460 lb
Out	02/16/2010 09:37:33	Scale2	PE		Net	49900 lb
					Tons	24.95

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.95	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

CVMI

Shaff's Tools Inc. 29

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT			

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28000 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)948-5944

U.S. EPA ID Number: CAD047458383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111620CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: TRAVIS CHAVEZ — Signature: — Month Day Year

Transporter 2 Printed/Typed Name: — Signature: [signature] — Month 2 Day 16 Year 10

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Heather Ahers — Signature: [signature] — Month 2 Day 16 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-9468

Lancaster Landfill Recycling Center
Ticket# 766193

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9B86265 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 54
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	78040 lb
In	02/17/2010 09:40:22	Scale2	PE		Tare	34000 lb
Out	02/17/2010 09:58:22	Scale2	PE		Net	44040 lb
					Tons	22.02

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	22.02	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

TRUCK 9886265 54 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
29009 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-6944

U.S. EPA ID Number: CAD047458363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111920CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: ALCONE II — Signature: [signature] — Month 12 Day 19 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766169

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Publlic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9B45332 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 53
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/17/2010 08:34:42	Scale1	MP		Gross	77960 lb
Out	02/17/2010 08:52:59	Scale2	MP		Tare	34940 lb
					Net	43040 lb
					Tons	21.52

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	21.52	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Gene Bauer
U.S. EPA ID Number

7. Transporter 2 Company Name: K&L Benton
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93536
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111620CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Amos | Signature: [signature] | Month 12 | Day 19 | Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: K&L Benton | Signature: [signature] | Month 12 | Day 19 | Year 10

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

91.52

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Victor Perez | Signature: [signature] | Month 12 | Day 17 | Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06) TRANSPORTER #2

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-9468

Lancaster Landfill Recycling Center
Ticket# 766165

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9D81346 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 52
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/17/2010 08:26:37	Scale2	HP		Gross	81660 lb
Out	02/17/2010 08:26:37		HP		Tare	34460 lb
					Net	47200 lb
					Tons	23.60

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	23.60	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

Truck 9081346 HK5G6231 52

CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944
U.S. EPA ID Number: CAD047456363

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames
Signature: Henry Ames
Month 12 Day 19 Year 09

15. International Shipments ☑ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Carl Lawrence Hle
Signature
Month 12 Day 19 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

22.60

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Arthur Peters
Signature
Month 12 Day 19 Year 10

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-9468

Lancaster Landfill Recycling Center
Ticket# 766155

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9E08600 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 46
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	86800 lb
In	02/17/2010 08:06:57	Scale1	HP		Tare	25700 lb
Out	02/17/2010 08:06:57		HP		Net	61100 lb
					Tons	30.55

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	30.55	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

T 780 Lic 928660 4505248 46 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1	661 580 6410	

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)255-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: CAL Limited Services
U.S. EPA ID Number: CAT 926870 11

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Amos
Signature:
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Rosso
Signature:
Month 12 Day 17 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

30-55

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Bradley Peters
Signature:
Month 12 Day 17 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06) TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766157

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/17/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 48
Destination
PO
Profile 111020CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

Carrier Pulblic Hauler Self
Vehicle# 9A04442 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	87000 lb
In	02/17/2010 08:09:47	Scale1	HP		Tare	32820 lb
Out	02/17/2010 08:09:47		HP		Net	54180 lb
					Tons	27.09

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	27.09	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee 48 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

48 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1	588-6410	CA 0268011

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD047458363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: RENE GARZA — Signature: [signature] — Month 2 Day 17 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

22.09

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Heather Peters — Signature: [signature] — Month 2 Day 17 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06) TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766153

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/17/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 47
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

Carrier Pulblic Hauler Self
Vehicle# 9D79669
Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	02/17/2010 09:12:38	Scale1	MP		Gross	84740 lb
Out	02/17/2010 09:12:38		MP		Tare	38240 lb
					Net	46500 lb
					Tons	24.25

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.25	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvFB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

47 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 296-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5844

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
Tr. 11 9079669
4G-41346

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CALLOW BRO — Signature: [signature] — Month 2 Day 17 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

24.25

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name: Victor Perez — Signature: [signature] — Month 2 Day 17 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06) TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766163

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/17/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 49
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC-Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

Carrier Pulblic Hauler Self
Vehicle# 9E03665 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	02/17/2010 08:23:37	Scale2	HP		Gross	84740 lb
Out	02/17/2010 08:23:37		HP		Tare	25500 lb
					Net	59240 lb
					Tons	29.62

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	29.62	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

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CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5844

U.S. EPA ID Number: CAD047456363

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA				
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

TRK # 781 Lic # 9203645

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES
Signature:
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Lowbed
Signature:
Month 2 Day 17 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

29.62

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Heather Peters
Signature:
Month 2 Day 17 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766164

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/17/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 51
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValllesCompanyLP Los Valles Company LP

Carrier Pulblic Hauler Self
Vehicle# 9083654 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	02/17/2010 08:25:00	Scale1	HP		Gross	83620 lb
Out	02/17/2010 08:25:00		HP		Tare	31180 lb
					Net	52440 lb
					Tons	26.22

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	26.22	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

TRK H 90836545 1

OWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Cal Lowco Service — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5948
U.S. EPA ID Number: CAD047468363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MARTY GREEN — Signature: [signature] — Month 12 Day 19 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

26-22

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [illegible] — Signature: [signature] — Month 12 Day 17 Year 10

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #3

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center

Original

Ticket# 766192

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# VP00197 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 55
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	81460 lb
In	02/17/2010 09:39:29	Scale1	PE		Tare	29480 lb
Out	02/17/2010 10:03:52	Scale2	PE		Net	51980 lb
					Tons	25.99

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	25.99	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Ev78-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

CWMI

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VPQ0197

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY LP
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: BB'S TRUCK
U.S. EPA ID Number:

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93536
Facility's Phone: (661) 945-5944
U.S. EPA ID Number: CAD047456353

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES
Signature: [signature]
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JOE M. BARUCH
Signature: [signature]
Month 7 Day 17 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature: [signature]
Month 7 Day 17 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766260

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9D79669 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 56
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/17/2010 11:26:50	Scale1	PE		Gross	84120 lb
Out	02/17/2010 11:26:50		PE		Tare	36240 lb
					Net	47880 lb
					Tons	23.94

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	23.94	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfS-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

CWMI

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NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)296-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5644

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
Y.P.H 9099669
464/343

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Low Bed — Signature: [signature] — Month 2 Day 17 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month 2 Day 17 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766264

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/17/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 57
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

Carrier Pulblic Hauler Self
Vehicle# 9E08600 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	02/17/2010 11:38:07	Scale1	PE		Gross	91240 lb
Out	02/17/2010 11:38:07		PE		Tare	25700 lb
					Net	65540 lb
					Tons	32.77

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	32.77	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

720 Lic # 980 3600
TR 955270

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CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1	(661) 588-6710	

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28809 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 265-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Cal Bulk Solutions
U.S. EPA ID Number: CAR 000268011

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 948-8944
U.S. EPA ID Number: CAD047456303

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS
Signature: [signature]
Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Coots
Signature: [signature]
Month 2 Day 17 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature: [signature]
Month 2 Day 17 Year 10

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TRANSPORTER #2

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766267

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/17/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 59
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

Carrier Public Hauler Self
Vehicle# 9D01346 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	02/17/2010 11:42:59	Scale1	PE		Gross	80220 lb
Out	02/17/2010 11:42:59		PE		Tare	34460 lb
					Net	45760 lb
					Tons	22.88

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	22.88	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfS-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

Truck 9081346 11 415G6231 59

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD074508363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Hauling — Signature: [signature] — Month 2 Day 12 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month 2 Day 17 Year 10

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DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766268

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9A04442 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 58
Destination Grid
PO
Profile 111620CA (Cont Soil Pet-RSC"Excell Excavating)
Generator 144-LosValliesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/17/2010 11:45:13	Scale1	PE		Gross	82560 lb
Out	02/17/2010 11:45:13		PE		Tare	32820 lb
					Net	49740 lb
					Tons	24.87

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RSC-	100	24.87	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

Lic # 9A0442 58 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1	588-6410	CA 02673011

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
800 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☑ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Rene Garza — Signature: [signature] — Month 2 Day 17 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month 2 Day 17 Year 10

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center

Original

Ticket# 766274

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9E03665 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 66
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-REC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/17/2010 11:54:45	Scale2	PE		Gross	84720 lb
Out	02/17/2010 11:54:45		PE		Tare	25500 lb
					Net	59220 lb
					Tons	29.61

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-REC-	100	29.61	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

66 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
23909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3200

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944

U.S. EPA ID Number: CAD047466383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
H-01 UC # 9803665

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CA Low bed — Signature: [signature] — Month 2 Day 8 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name — Signature: [signature] — Month 2 Day 17 Year 10

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 766275

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9845332 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest *
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/17/2010 11:54:21	Scale1	PE		Gross	82100 lb
Out	02/17/2010 11:56:21		PE		Tare	34940 lb
					Net	47160 lb
					Tons	23.58

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	23.58	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111920CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [signature] — Signature: [signature] — Month Day Year
Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name — Signature: [signature] — Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06) DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766276

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9D83654 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 60
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/17/2010 11:58:24	Scale2	PE		Gross	84720 lb
Out	02/17/2010 11:58:24		PE		Tare	31180 lb
					Net	53540 lb
					Tons	26.77

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LO%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	26.77	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

TRK# 9D83654 (6)

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address

LOS VALLES COMPANY L.P.
28000 HASLEY CANYON RD.
SANTA CLARITA 91384

Generator's Site Address (if different than mailing address)

Generator's Phone: (661) 295-3000

6. Transporter 1 Company Name: Cal Lawson Service

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535

U.S. EPA ID Number: CAD047458383

Facility's Phone: (661) 945-5944

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES | Signature | Month 12 | Day 19 | Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MARTY GREEN | Signature | Month 2 | Day 17 | Year 10

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766273

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/17/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 501
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValliesCompanyLP Las Vallies Company LP

Carrier Puiblic Hauler Self
Vehicle# 9D75250 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	02/17/2010 11:53:54	Scale1	PE		Gross	79320 lb
Out	02/17/2010 12:08:43	Scale2	PE		Tare	34560 lb
					Net	44760 lb
					Tons	22.38

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	22.38	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

50 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111620CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Truck #115 - 9075250 Ca
trailer - 4658923 - Ca

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Helmer Trucking — Signature: [signature] — Month 12 Day 19 Year 10

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month 12 Day 17 Year 10

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766309

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 02/17/2010 Vehicle# VP00197 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 63
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/17/2010 13:13:32	Scale1	MP		Gross	81060 lb
Out	02/17/2010 13:13:32		MP		Tare	29480 lb
					Net	51580 lb
					Tons	25.79

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	25.79	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvFB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

63 CVMI

CAN000497

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY LP.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: BBS TRKG.
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5941
U.S. EPA ID Number: CAD047458383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111920CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY Ames
Signature
Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JOSE M. BARRERAS
Signature
Month 02 Day 17 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

25.79

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Victor Rodas
Signature
Month 02 Day 17 Year 10

169-BLC-O 6 (10498 (Rev. 8/06)

TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-9446

Lancaster Landfill Recycling Center
Ticket# 766310

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9806265 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 62
Destination Grid
FG
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/17/2010 13:15:00	Scale2	HP		Gross	80560 lb
Out	02/17/2010 13:15:00		HP		Tare	34000 lb
					Net	46560 lb
					Tons	23.28

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

Product		LO%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	23.28	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

9786865 62 CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
LOS VALLES COMPANY LP
23909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3000
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5844
U.S. EPA ID Number: CAD047456363

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA				
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS
Signature
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: SCOTT D
Signature
Month 02 Day 17 Year 09

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

23 28

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Walter Parks
Signature
Month 12 Day 17 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06) TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766360

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9079669 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 64
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	84760 lb
In	02/17/2010 14:51:51	Scale1	PE		Tare	36240 lb
Out	02/17/2010 14:51:51		PE		Net	48520 lb
					Tons	24.26

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.26	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

64 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
9D79669
4G41341C

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Calcourra — Signature: [signature] — Month 2 Day 17 Year 10

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month 2 Day 17 Year 10

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-9468

Lancaster Landfill Recycling Center
Ticket# 766364

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9081346 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 65
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/17/2010 14:57:32	Scale2	PE		Gross	78000 lb
Out	02/17/2010 14:57:32		PE		Tare	34460 lb
					Net	43540 lb
					Tons	21.77

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	21.77	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Ev#8-Env Fee #8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

Truck 9081346 41SG6231 65

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3200

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD047458383

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMOS — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Collwood #6 — Signature: [signature] — Month 2 Day 19 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month 2 Day 17 Year 10

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766376

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9E08600 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 67
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/17/2010 15:11:45	Scale1	PE		Gross	82160 lb
Out	02/17/2010 15:11:45		PE		Tare	25700 lb
					Net	56460 lb
					Tons	28.23

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

Product		LDM	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	28.23	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Ev78-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

Tr 880 hic 9508608
4TB5243

67

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1	6615886418	

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Cal Coastal Service
U.S. EPA ID Number: CAT 026811

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5844
U.S. EPA ID Number: CAD047466363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames
Signature: [signature]
Month 12 Day 19 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Rosse
Signature: [signature]
Month 2 Day 17 Year 18

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature: [signature]
Month 2 Day 17 Year 18

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766378

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 02/17/2010 Vehicle# 9A04442 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 68
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/17/2010 15:17:05	Scale1	PE		Gross	79840 lb
Out	02/17/2010 15:17:05		PE		Tare	32820 lb
					Net	47020 lb
					Tons	23.51

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LO%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	23.51	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvFB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

Lic # 9A0444211 68 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1	588-6410	CA 02685011

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 285-3200

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944

U.S. EPA ID Number: CAD047458363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Rene Garza — Signature: [signature] — Month 2 Day 17 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month Day Year

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-9468

Lancaster Landfill Recycling Center
Ticket# 766382

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9B45332 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 69
Destination Grid
PO
Profile 111920CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	02/17/2010 15:27:11	Scale1	PE		Gross	80140 lb
Out	02/17/2010 15:27:11		PE		Tare	34940 lb
					Net	45200 lb
					Tons	22.60

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	22.60	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvFB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

P045552 HE46143 69 CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28000 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY Ames — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Transporter 2 Printed/Typed Name: Kit Benitez — Signature: [signature] — Month 2 Day 17 Year 10

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month 2 Day 17 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766384

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/17/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 7
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

Carrier Pulblic Hauler Self
Vehicle# 9083654 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	02/17/2010 15:32:25	Scale1	PE		Gross	83520 lb
Out	02/17/2010 15:32:25		PE		Tare	31180 lb
					Net	52340 lb
					Tons	26.17

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	26.17	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

TRK #9D83654 70

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Val Lowber Service
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111620CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES
Signature: Henry Ames
Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MARTY GREEN
Signature: Marty G
Month 2 Day 17 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature: Val Ebell
Month 2 Day 17 Year 10

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766391

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/17/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 71
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

Carrier Pulblic Hauler Self
Vehicle# 9075250 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	81760 lb
In	02/17/2010 15:44:34	Scale1	PE		Tare	34560 lb
Out	02/17/2010 15:44:34		PE		Net	47200 lb
					Tons	23.60

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	23.60	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

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CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone:
4. Waste Tracking Number:

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address):

6. Transporter 1 Company Name
U.S. EPA ID Number:

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111920CA					
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Track # 115-9075250 CG
trailer - 4658923

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Henry Amos
Signature: [signature]
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Hebner Bolles Trucking
Signature: [signature]
Month 2 Day 17 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name:
Signature: [signature]
Month 2 Day 17 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766977

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 02/17/2010 Vehicle# 9E03665 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest *
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	82840 lb
In	02/17/2010 15:53:19	Scale2	PE		Tare	25500 lb
Out	02/17/2010 15:53:19		PE		Net	57340 lb
					Tons	28.67

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	28.67	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvT8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

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CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944

U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

TPU # 781 Lic # 9E03665

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cal Lowbed — Signature: [signature] — Month 2 Day 17 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature: [signature] — Month Day Year

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757299

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/18/2009 Vehicle# 9E03665 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2658
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC^Excell Excavating)
Generator 144-LosValliesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	84200 lb
In	12/18/2009 13:02:20	Scale1	PE		Tare	25500 lb
Out	12/18/2009 13:02:20		PE		Net	58700 lb
					Tons	29.35

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	29.35	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

2688

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Los Valles Company L.P.

ADDRESS: 28909 Hasley Canyon Road

CITY, STATE, ZIP: Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION: Soil GENERATING PROCESS: Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS: 28909 Hasley Canyon Road

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Cal Lowbed

ADDRESS: 4650 Rosedale Lane

CITY, STATE, ZIP: Bakersfield, CA 93314 PICK-UP DATE _____

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO 781/9203665

Eliseo Pelomo 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME: Lancaster

ADDRESS: 600 East Ave F PROFILE NO. 111820CA

CITY, STATE, ZIP: Lancaster, CA 93535

PHONE NO. (661) 223-3430

PATRICK 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757298

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9E08600 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2689
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 12:58:02	Scale1	PE		Gross	79720 lb
Out	12/18/2009 12:58:02		PE		Tare	25700 lb
					Net	54020 lb
					Tons	27.01

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	27.01	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvT8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

2689

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Los Valles Company L.P.

ADDRESS 28909 Hasley Canyon Road

CITY, STATE, ZIP Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION Soil GENERATING PROCESS Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 Hasley Canyon Road

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Cal Lowbed

ADDRESS 4650 Rosedale Lane

CITY, STATE, ZIP Bakersfield, CA 93314 PICK-UP DATE 12/18/09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO 780 9F08600 Foreman Mike Ross 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME Lancaster

ADDRESS 600 East Ave F PROFILE NO. 111820CA

CITY, STATE, ZIP Lancaster, CA 93535 27.01

PHONE NO. (661) 223-3430

TOT ELROD 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757297

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9079669 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2684
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 12:56:06	Scale2	PE		Gross	84300 lb*
Out	12/18/2009 12:56:06		PE		Tare	36240 lb*
					Net	48060 lb
			* Manual Weight		Tons	24.03

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.03	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

2684

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Los Valles Company L.P.

ADDRESS 28909 Hasley Canyon Road

CITY, STATE, ZIP Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION Soil GENERATING PROCESS Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 Hasley Canyon Road

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

Stephen Kalina 12/18/2009
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Cal Lowbed

ADDRESS 4650 Rosedale Lane

CITY, STATE, ZIP Bakersfield, CA 93314 PICK-UP DATE _____

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO 11 9079669 GOB 4K66231

Mike Silva 12-18-09
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME Lancaster

ADDRESS 600 East Ave F PROFILE NO. 111820CA

CITY, STATE, ZIP Lancaster, CA 93535

PHONE NO. (661) 223-3430

24.03

Pat Elrod 12/18/09
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Original

Lancaster Landfill Recycling Center
Ticket# 757294

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9073307 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2683
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RBC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 12:52:46	Scale2	PE		Gross	83960 lb*
Out	12/18/2009 12:52:46		PE		Tare	35500 lb*
					Net	48460 lb
			* Manual Weight		Tons	24.23

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RBC-	100	24.23	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Ev18-Env Fee $8 Lg	100	1	Load				Santa Clar

Mark Garber

Total Tax
Total Ticket

2683

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Los Valles Company L.P.

ADDRESS 28909 Hasley Canyon Road

CITY, STATE, ZIP Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION Soil GENERATING PROCESS Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 Hasley Canyon Road

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: ~~Wear Proper PPE~~ Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/19/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Cal Lowbed

ADDRESS 4650 Rosedale Lane

CITY, STATE, ZIP Bakersfield, CA 93314 PICK-UP DATE 12-18-9

PHONE NO. (661) 588-6410 CA 9D73307

TRUCK UNIT I.D. NO 19BD-6 Mark Yarbro 12-18-9

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME Lancaster

ADDRESS 600 East Avey P 111820CA PROFILE NO.

CITY, STATE, ZIP Lancaster, CA 93535

PHONE NO. (661) 223-3430 PAT EIROD 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3469

Ticket# 757292

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 12/18/2009 Vehicle# 9D81346 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2685
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 12:45:29	Scale1	PE		Gross	83080 lb
Out	12/18/2009 12:45:29		PE		Tare	34460 lb
					Net	48620 lb
					Tons	24.31

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.31	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

2685

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Los Valles Company L.P.

ADDRESS 28909 Hasley Canyon Road

CITY, STATE, ZIP Santa Clarita, CA 91384 661 x295x3900 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION Soil GENERATING PROCESS EW Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 Hasley Canyon Road

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Cal Lowbed

ADDRESS 4650 Rosedale Lane

CITY, STATE, ZIP Bakersfield, CA 93314 PICK-UP DATE 12/18/09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO #6 9D81346 ED2 4CD22660

Brian Lawson 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME Lancaster

ADDRESS 600 East Ave F PROFILE NO. 111820CA

CITY, STATE, ZIP Lancaster, CA 93535 24.31 Tons

PHONE NO. (661) 223-3430

PAT ELROD 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757212

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9083654 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2680
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 09:07:09	Scale1	BA		Gross	74940 lb
Out	12/18/2009 09:41:15	Scale2	PE		Tare	31180 lb
					Net	43760 lb
					Tons	21.88

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	21.88	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

2680

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Los Valles Company L.P.

ADDRESS 28909 Hasley Canyon Road

CITY, STATE, ZIP Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION Soil GENERATING PROCESS Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 Hasleym Canyon Road

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Cal Lowbed

ADDRESS 4650 Rosedale Lane

CITY, STATE, ZIP Bakersfield, CA 93314 PICK-UP DATE 12/18/09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO 21 LA 9083654 MARTY Green 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME Lancaster

ADDRESS 600 East Ave F PROFILE NO. 111820CA

CITY, STATE, ZIP Lancaster, CA 93535 21 18.70 16

PHONE NO. (661) 223-3430

PAT EROS 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757214

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9E08600 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2681
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RSC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 09:10:31	Scale1	BA		Gross	90600 lb
Out	12/18/2009 09:37:42	Scale2	PE		Tare	25700 lb
					Net	64900 lb
					Tons	32.45

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RSC-	100	32.45	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvFB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

2681

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Los Valles Company L.P.

ADDRESS: 28909 Hasley Canyon Road

CITY, STATE, ZIP: Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION: Soil GENERATING PROCESS: Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS: 28909 Hasley Canyon Road

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Cal Lowbed

ADDRESS: 4650 Rosedale Lane

CITY, STATE, ZIP: Bakersfield, CA 93314 PICK-UP DATE 12/18/09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO 785 920 8600

Fernando Michael Bassa Sr 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME: Lancaster

ADDRESS: 600 East Ave F PROFILE NO. 111820CA

CITY, STATE, ZIP: Lancaster, CA 93535

32.45

PHONE NO. (661) 223-3430

PAT EIROD Pat Eirod 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** · Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757213

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9E03665 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2682
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValllesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	84700 lb
In	12/18/2009 09:08:51	Scale2	BA		Tare	25500 lb
Out	12/18/2009 09:34:59	Scale2	PE		Net	59200 lb
					Tons	29.60

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	29.60	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee 48 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

9E03665

2682

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Los Valles Company, ~~Reed~~ L.P.

ADDRESS: 28909 Hasley Canyon Road

CITY, STATE, ZIP: Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION: Soil GENERATING PROCESS: Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS: 28909 Hasley Canyon Road

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

Stephen Kalina 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Cal Lowbed

ADDRESS: 4650 Rosedale Lane

CITY, STATE, ZIP: Bakersfield, CA 93314 PICK-UP DATE: 12/18/09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO 781

Eliseo Palomo 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME: ~~Kaneashey~~ Lancaster

ADDRESS: 600 East Ave F PROFILE NO. 111820CA

CITY, STATE, ZIP: Lancaster, CA 93535 29.60

PHONE NO. (661) 223-3430

Pat ELROD 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-9468

Ticket# 757809

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9A04442 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2679
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	82820 lb
In	12/18/2009 09:03:51	Scale1	BA		Tare	33060 lb
Out	12/18/2009 09:18:04	Scale2	BA		Net	49760 lb
					Tons	24.88

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.88	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

#9
9A04942

2679

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Los Valles Company L.P.

ADDRESS 28909 Hasley Canyon Road

CITY, STATE, ZIP Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION Soil GENERATING PROCESS Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 Hasley Canyon Road

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Cal Lowbed

ADDRESS 4650 Rosedale Lane

CITY, STATE, ZIP Bakersfield, CA 93314 PICK-UP DATE 12/18/09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO #9

RENE GARZA 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME Lancaster

ADDRESS 600 East Ave F PROFILE NO. 111820CA

CITY, STATE, ZIP Lancaster, CA 93535

PHONE NO. (661) 223-3430

Bellny Aguilar 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757205

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9036966 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2678
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValllesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 08:56:37	Scale1	PE		Gross	74620 lb
Out	12/18/2009 09:13:16	Scale2	BA		Tare	33340 lb
					Net	41480 lb
					Tons	20.74

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	20.74	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

9D36966

2678

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Los Valles Company L.P.

ADDRESS 28909 Hasley Canyon Road

CITY, STATE, ZIP Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION Soil GENERATING PROCESS _____

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 Hasley Canyon Road

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Cal Lowbed

ADDRESS 4650 Rosedaley Lane

CITY, STATE, ZIP Bakersfield, CA 93314 PICK-UP DATE 12-18-09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO 22 9D36966 Arturo Torres Gonzalez 12-18-09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME Lancaster

ADDRESS 600 East Ave F PROFILE NO. 111820CA

CITY, STATE, ZIP Lancaster, CA 93535

PHONE NO. (661) 223-3430 Bellim Aguilar 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757199

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9DB1346 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2677
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	89340 lb
In	12/18/2009 08:40:28	Scale1	PE		Tare	34460 lb
Out	12/18/2009 08:53:13	Scale2	PE		Net	54880 lb
					Tons	27.44

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	27.44	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

9D81346
2677

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Los Valles Company L.P.

ADDRESS: 28909 Hasley Canyon Road

CITY, STATE, ZIP: Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION: Soil GENERATING PROCESS: Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS: 28909 Hasley Canyon Road

PROPERTIES: pH ____ ☐ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

Stephen Kalina Stephen Kalina 12/18/09
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Cal Lowbed

ADDRESS: 4650 Rosedale Lane

CITY, STATE, ZIP: Bakersfield, CA 93314 PICK-UP DATE: 12/18/09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO. ED-2 46 9D81346 4LD 22160

Brian Lawson 12/18/09
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME: Lancaster

ADDRESS: 600 East Ave. F PROFILE NO. 111820CA

CITY, STATE, ZIP: Lancaster, CA 93535 27.44

PHONE NO. (661) 223-3430

Pat Elrod 12/18/09
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Origina

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757198

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9079669 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2676
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC~Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 08:37:39	Scale1	PE		Gross	74800 lb
Out	12/18/2009 08:49:37	Scale2	PE		Tare	36240 lb
					Net	38560 lb
					Tons	19.28

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC~	100	19.28	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee #8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

9D79669
2676

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Los Valles Company L.P.

ADDRESS: 28909 Hasley Canyon Road

CITY, STATE, ZIP: Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION: Soil GENERATING PROCESS: Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS: 28909 Hasley Canyon Road

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

Stephen Kalina Stephen Kalina 12/18/09
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Cal Lowbed

ADDRESS: 4650 Rosedale Lane

CITY, STATE, ZIP: Bakersfield, CA 93314 PICK-UP DATE _____

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO: 9079669 4KG6231

Mike Salva 12-18-09
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME: Lancaster

ADDRESS: 600 East Ave F PROFILE NO. 111820CA

CITY, STATE, ZIP: Lancaster, CA 93535

PHONE NO. (661) 223-3430

Pat Elrod 12/18/09
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757197

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9D73307 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2675
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	82960 lb
In	12/18/2009 08:33:43	Scale1	PE		Tare	35500 lb
Out	12/18/2009 08:45:25	Scale2	PE		Net	47460 lb
					Tons	23.73

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	23.73	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Mark Gardner

Total Tax
Total Ticket

403WM

2675

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Lyre Los Valley Company L.P.

ADDRESS: 28909 Hasley Canyon Road

CITY, STATE, ZIP: Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION: Soil — COMPONENTS OF WASTE / PPM%

GENERATING PROCESS: Excavation — COMPONENTS OF WASTE / PPM%

1. _____ 3. _____

2. _____ 4. _____

SITE ADDRESS: 28909 Hasley Canyon Road

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

Stephen Kalina — TYPED OR PRINTED FULL NAME & SIGNATURE — DATE 12/18/09

TRANSPORTER

NAME: Cal Lowbed

ADDRESS: 4650 Rosedale Lane

CITY, STATE, ZIP: Bakersfield, CA 93314 PICK-UP DATE _____

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO: 19 BD-6

Mark Varley — TYPED OR PRINTED FULL NAME & SIGNATURE — DATE 12-18-09

RECEIVING FACILITIES

NAME: Lancaster

ADDRESS: 600 East Ave F PROFILE NO. 111820CA

CITY, STATE, ZIP: Lancaster, CA 93535 23.5

PHONE NO. (661) 223-3430

Pat ELROD — TYPED OR PRINTED FULL NAME & SIGNATURE — DATE 12/18/09

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-9468

Ticket# 757363

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9D73307 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2691
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 15:48:55	Scale1	BA		Gross	84320 lb
Out	12/18/2009 15:48:55		BA		Tare	35500 lb
					Net	48820 lb
					Tons	24.41

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LO%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.41	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Mark Parker

Total Tax
Total Ticket

2691

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME LOS VALLES · COMPANY L.P.

ADDRESS 28909 HASLEY CANYON ROAD

CITY, STATE, ZIP SANTA CLARITA, CA. 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION SOIL GENERATING PROCESS EXCAVATION

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 · HASLEY CANYON ROAD

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR PROPER PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME CAL LOWBED

ADDRESS 4650 ROSEDALE LANE

CITY, STATE, ZIP BAKERSFIELD, CA. 93314 PICK-UP DATE 12-18-9

PHONE NO. (661) 588-6410 CA 9073307

TRUCK UNIT I.D. NO 19BD-6 12-18

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME LANCASTER

ADDRESS 600 EAST AVE F PROFILE NO. 111820 CA

CITY, STATE, ZIP LANCASTER, CA. 93535

PHONE NO. (661) 223-3430 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757384

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9E03665 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2498
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-REC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 16:32:12	Scale1	BA		Gross	87080 lb
Out	12/18/2009 16:32:12		BA		Tare	25500 lb
					Net	61580 lb
					Tons	30.79

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-REC-	100	30.79	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf9-Env Fee $9 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

2698

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME LOS VALLES COMPANY L.P.

ADDRESS 28909 HASLEY CANYON ROAD

CITY, STATE, ZIP SANTA CLARITA, CA. 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION SOIL GENERATING PROCESS EXCAVATION

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 HASLEY CANYON ROAD

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR PROPER PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME CAL LOWBED

ADDRESS 4650 ROSEDALE LANE

CITY, STATE, ZIP BAKERSFIELD, CA. 93314 PICK-UP DATE _____

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO 781 / 9E03665

Elisco Flores 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME LANCASTER

ADDRESS 600 EAST AVE F PROFILE NO. 111820CA

CITY, STATE, ZIP LANCASTER, CA. 93535

PHONE NO. (661) 223-3430

Rollin Howard 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center — Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3448

Ticket# 757382

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9E08600 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2697
Destination Grid
PO
Profile 111B2OCA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 16:25:55	Scale2	BA		Gross	68640 lb
Out	12/18/2009 16:25:55		BA		Tare	25700 lb
					Net	42940 lb
					Tons	31.47

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	31.47	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Ev18-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

2697

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: LOS VALLES COMPANY L.P.

ADDRESS: 28909 HASLEY CANYON ROAD

CITY, STATE, ZIP: SANTA CLARITA, CA. 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION: SOIL GENERATING PROCESS: EXCAVATION

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS: 28909 HASLEY CANYON ROAD

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR PROPER PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: CAL LOWBED

ADDRESS: 4650 ROSEDALE LANE

CITY, STATE, ZIP: BAKERSFIELD, CA. 93314 PICK-UP DATE 12/18/09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO. 780 9208601

Frederick M. Bass Sr 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME: LANCASTER

ADDRESS: 600 EAST AVE F PROFILE NO. 111820CA

CITY, STATE, ZIP: LANCASTER, CA. 93535

PHONE NO. (661) 223-3430

Bethany Hovian 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757378

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 12/18/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 2676
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

Carrier Pulblic Hauler Self
Vehicle# 9D83654 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	12/18/2009 16:21:16	Scale1	BA		Gross	77480 lb
Out	12/18/2009 16:21:16		BA		Tare	31180 lb
					Net	46300 lb
					Tons	23.15

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	23.15	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

2696

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: LOS VALLES COMPANY L.P.

ADDRESS: 28909 HASLEY CANYON ROAD

CITY, STATE, ZIP: SANTA CLARITA, CA. 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION: SOIL GENERATING PROCESS: EXCAVATION

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS: 28909 HASLEY CANYON ROAD

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR PROPER PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: CAL LOWBED

ADDRESS: 4650 ROSEDALE LANE

CITY, STATE, ZIP: BAKERSFIELD, CA. 93314 PICK-UP DATE 12/18/09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO 21 #9093651

MARTY GREEN 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME: LANCASTER

ADDRESS: 600 EAST AVE F PROFILE NO. 111820CA

CITY, STATE, ZIP: LANCASTER, CA. 93535

PHONE NO. (661) 223-3430

Bettina Alnuar 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757376

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9A04442 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 249
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 16:18:14	Scale1	BA		Gross	84040 lb
Out	12/18/2009 16:18:14		BA		Tare	32820 lb
					Net	51220 lb
					Tons	25.61

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	25.61	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

#9 - 9440 4442

269E

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME LOS VALLES COMPANY LP.

ADDRESS 28909 HASLEY CANYON ROAD

CITY, STATE, ZIP SANTA CLARITA, CA. 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION SOIL GENERATING PROCESS EXCAVATION

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 HASLEY CANYON ROAD

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR PROPER PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME CAL LOWBED

ADDRESS 4650 ROSEDALE LANE

CITY, STATE, ZIP BAKERSFIELD, CA. 93314 PICK-UP DATE 12/18/09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO #9

RENE GARZA Rene Garza 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME LANCASTER

ADDRESS 600 EAST AVE F PROFILE NO. 111820 CA

CITY, STATE, ZIP LANCASTER, CA. 93535

PHONE NO. (661) 223-3430

Rolling Hovnak 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757373

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9036966 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2694
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LasVallesCompanyLP Las Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 14:12:35	Scale1	BA		Gross	72520 lb
Out	12/18/2009 16:12:35		BA		Tare	33140 lb
					Net	39380 lb
					Tons	19.69

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	19.69	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Ev/B-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

2694

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME LOS VALLES COMPANY L.P.

ADDRESS 28909 HASLEY CANYON ROAD

CITY, STATE, ZIP SANTA CLARITA, CA, 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION SOIL GENERATING PROCESS EXCAVATION

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 HASLEY CANYON ROAD

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR PROPER PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME CAL LOWBED

ADDRESS 4650 ROSEDALE LANE

CITY, STATE, ZIP BAKERSFIELD, CA, 93314 PICK-UP DATE 12-18-09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO 22 9D36966 Arturo T Gonzalez 12-18-09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME LANCASTER

ADDRESS 600 EAST AVE F PROFILE NO. 111820CA

CITY, STATE, ZIP LANCASTER, CA, 93535

PHONE NO. (661) 223-3430 Billy Horak 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3466

Ticket# 757268

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9D79669 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2692
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-R6C"Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 15:58:06	Scale1	BA		Gross	86020 lb
Out	12/18/2009 15:58:06		BA		Tare	36240 lb
					Net	49780 lb
					Tons	24.89

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-R6C-	100	24.89	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

2692

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME LOS VALLES COMPANY L.P.

ADDRESS 28909 HASLEY CANYON ROAD

CITY, STATE, ZIP SANTA CLARITA, CA. 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION SOIL GENERATING PROCESS EXCAVATION

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 HASLEY CANYON ROAD

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR PROPER PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME CAL LOWBED

ADDRESS 4650 ROSEDALE LANE

CITY, STATE, ZIP BAKERSFIELD, CA. 93314 PICK-UP DATE _____

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO. 11 9D79669 007 4KG6231

MIKE SILVA 12-18-09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME LANCASTER

ADDRESS 600 EAST AVE F PROFILE NO. 111820 CA

CITY, STATE, ZIP LANCASTER, CA. 93535

PHONE NO. (661) 223-3430

Pollina Hauer 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757365

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9D81346 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2693
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValliesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 15:52:38	Scale1	BA		Gross	82840 lb
Out	12/18/2009 15:52:38		BA		Tare	34460 lb
					Net	48380 lb
					Tons	24.19

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.19	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvFB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

2693

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: LOS Valles COMPANY L.P.

ADDRESS: 28909 HASLEY CANYON ROAD

CITY, STATE, ZIP: SANTA CLARITA, CA. 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION: SOIL GENERATING PROCESS: EXCAVATION

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS: 28909 HASLEY CANYON ROAD

PROPERTIES: pH _____ ☒ SOLID ☒ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR PROPER PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: CAL LOWBED

ADDRESS: 4650 ROSEDALE LANE

CITY, STATE, ZIP: BAKERSFIELD, CA. 93314 PICK-UP DATE 12/18/09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO TR6-9081346 CD-4CD2260

Brian Lawson 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME: LANCASTER

ADDRESS: 600 EAST AVE F PROFILE NO. 111820 CA

CITY, STATE, ZIP: LANCASTER, CA. 93535

PHONE NO. (661) 223-3430

Pelling Howard 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center

Original

Ticket# 757295

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Customer Name EXCELLEXCAV/EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9A04442 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2686
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC'Excell Excavating)
Generator 144-LosVallesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 12:54:44	Scale1	PE		Gross	81600 lb
Out	12/18/2009 13:12:26	Scale2	PE		Tare	32820 lb
					Net	48780 lb
					Tons	24.39

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	24.39	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

#9
9A0HH42

2686

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Los Valles Company L.P.

ADDRESS 28909 Hasley Canyon Road

CITY, STATE, ZIP Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 21.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION Soil GENERATING PROCESS Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 Hasley Canyon Road

PROPERTIES: pH ____ ☐ SOLID ☒ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KOUNA 12/18/2009
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Cal Lowbed

ADDRESS 4650 Rosedale Lane

CITY, STATE, ZIP Bakersfield, CA 93314 PICK-UP DATE 12/18/09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO #9

Rene Garza Rene Garza 12/18/09
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME Lancaster

ADDRESS 600 East Ave F PROFILE NO. 111820CA

CITY, STATE, ZIP Lancaster, CA 93535 24.79

PHONE NO. (661) 223-3430

PAT ELROD Pat Elrod 12/18/09
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

Lancaster Landfill Recycling Center — Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757893

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9036966 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 2687
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	68080 lb
In	12/18/2009 12:48:43	Scale1	PE		Tare	33140 lb
Out	12/18/2009 13:08:42	Scale2	PE		Net	34940 lb
					Tons	17.47

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	17.47	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvF8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

2687.

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Lee Valley Company L.P.

ADDRESS: 28909 Hasley Canyon Road

CITY, STATE, ZIP: Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION: Soil GENERATING PROCESS: Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS: 28909 Hasley Canyon Road

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALINA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME: Cal Lowbed

ADDRESS: 4650 Rosedale Lane

CITY, STATE, ZIP: Bakersfield, CA 93314 PICK-UP DATE: 12-18-09

PHONE NO. (661) 588-640

TRUCK UNIT I.D. NO. 22 9036966

Arturo Torres Gonzalez 12-18-09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME: Lancaster

ADDRESS: 600 East Ave F PROFILE NO. 111820CA

CITY, STATE, ZIP: Lancaster, CA 93535

PHONE NO. (661) 223-3430

PATELROD 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

Driver's Signature

WASTE MANAGEMENT

1ST LANCASTER HAUL

Lancaster Landfill Recycling Center

Original

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Ticket# 757300

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Pulblic Hauler Self
Ticket Date 12/18/2009 Vehicle# 9D83654 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000417
State Waste Code Gen EPA ID
Manifest 2690
Destination Grid
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound		
In	12/18/2009 13:07:00	Scale1	PE		Gross	76500 lb
Out	12/18/2009 13:07:00		PE		Tare	31180 lb
					Net	45320 lb
					Tons	22.66

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	22.66	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Evf8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

403WM

1ST LANCASTER MOC

2690

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Los Valles Company L.P.

ADDRESS 28909 Hasley Canyon Road

CITY, STATE, ZIP Santa Clarita, CA 91384 PHONE NO. (661) 295-3900

CONTAINERS: NO. 1 VOLUME/CY _____ WEIGHT/TONS 23.5

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ OTHER _____

WASTE DESCRIPTION Soil GENERATING PROCESS Excavation

COMPONENTS OF WASTE	PPM%	COMPONENTS OF WASTE	PPM%
1.		3.	
2.		4.	

SITE ADDRESS 28909 Hasley Canyon Road

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ OTHER _____

HANDLING INSTRUCTIONS: Wear Proper PPE

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

STEPHEN KALNA 12/18/2009

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Cal Lowbed

ADDRESS 4650 Rosedale Hwy

CITY, STATE, ZIP Bakersfield, CA 93314 PICK-UP DATE 12/18/09

PHONE NO. (661) 588-6410

TRUCK UNIT I.D. NO 21 #90836054 MARTY GREEN 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

RECEIVING FACILITIES

NAME Lancaster

ADDRESS 600 East Ave F PROFILE NO. 11182000A

CITY, STATE, ZIP Lancaster, CA 93535

PHONE NO. (661) 223-3430 22-100

PAT ELROD 12/18/09

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

White - **FACILITY COPY** Yellow - **GENERATOR COPY** Pink - **TRANSPORTATION COPY**

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center
Ticket# 766453

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING Carrier Public Hauler Self
Ticket Date 02/18/2010 Vehicle# 9a74401 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000617
State Waste Code Gen EPA ID
Manifest 74
Destination Grid
PO
Profile 111B20CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

	Time	Scale	Operator	Inbound	Gross	82700 lb
In	02/18/2010 08:41:06	Scale1	MP		Tare	29440 lb
Out	02/18/2010 08:41:06		MP		Net	53260 lb
					Tons	26.63

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	26.63	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	Ev/8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

9479401 74 CVWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28809 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: S & K TRUCKING — U.S. EPA ID Number:

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93536
Facility's Phone: (661) 945-5944
U.S. EPA ID Number: CAD047465363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA	1	DT	18	KO	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: SERGIO BUENROSTRO — Signature: [signature] — Month 12 Day 18 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

24.62

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Heather Peters — Signature: [signature] — Month 12 Day 18 Year 10

169-BLC-O 6 10498 (Rev. 8/06) TRANSPORTER #1

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-9468

Lancaster Landfill Recycling Center
Ticket# 766454

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/18/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 73
Destination
PO
Profile 111820CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

Carrier Pulblic Hauler Self
Vehicle# 9851381 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	85760 lb
In	02/18/2010 08:43:43	Scale1	MF		Tare	32760 lb
Out	02/18/2010 08:43:43		MF		Net	53000 lb
					Tons	26.60

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	26.60	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvFB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

9B51321 73 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 285-3000

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Arreola Trucking AR-01
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661) 945-5944
U.S. EPA ID Number: CAD047456363

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA		P.T.	18	Yd.	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames
Signature
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Agustin Arreola
Signature
Month 12 Day 18 Year 09

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

26.60

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Victor Reyes
Signature
Month 12 Day 18 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-9468

Lancaster Landfill Recycling Center
Ticket# 766530

Original

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/18/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 3
Destination
PO
Profile 111820CA (Cont Soil Pet-REC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

Carrier Public Hauler Self
Vehicle# 9a74401 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	85920 lb
In	02/18/2010 12:11:19	Scale1	PE		Tare	29440 lb
Out	02/18/2010 12:11:19		PE		Net	56480 lb
					Tons	28.24

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-REC-	100	28.24	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EVF8-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

LIC. #9174401

3

CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: S & V TRUCKING
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
~~TRS THERMAL REMEDIATION SOLUTIONS~~ LANDCASTER LANDFILL AND RECYCLING CENTER (LLC)
~~1211 W. GLADSTONE~~ 600 EAST AVE F
~~AZUSA CA 91702~~ LANCASTER CA 93535
Facility's Phone: ~~(626) 334-0710~~ (661) 945-5944
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA ~~111610CA~~				
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES
Signature: [signature]
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: SERGIO BUENRASTRO
Signature: [signature]
Month 02 Day 18 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature: [signature]
Month 2 Day 18 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

WASTE MANAGEMENT

600 East Avenue F
Lancaster, CA, 93535
Ph: 661-726-3468

Lancaster Landfill Recycling Center

Original

Ticket# 766531

Customer Name EXCELLEXCAV EXCELL EXCAVATING
Ticket Date 02/18/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 75
Destination
PO
Profile 111BE0CA (Cont Soil Pet-RGC"Excell Excavating)
Generator 144-LosValleesCompanyLP Los Valles Company LP

Carrier Public Hauler Self
Vehicle# 9851321 Volume
Container
Driver
Check#
Billing # 0000617
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	02/18/2010 12:13:49	Scale1	PE		Gross	88100 lb
Out	02/18/2010 12:13:49		PE		Tare	32760 lb
					Net	55340 lb
					Tons	27.67

Comments

Hours: 6:00 AM-4:45 PM (M-F) 6:00 AM-12:00 PM (SAT)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	27.67	Tons				Santa Clar
2	FUEL-Fuel Surcharg	100		%				Santa Clar
3	EvfB-Env Fee $8 Lg	100	1	Load				Santa Clar

Total Tax
Total Ticket

Driver's Signature

403WM

75 CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: EXEMPT
2. Page 1 of 1
3. Emergency Response Phone:
4. Waste Tracking Number:

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address):

6. Transporter 1 Company Name: Arreola Trucking AR#01
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
LANCASTER LANDFILL AND RECYCLING CENTER (LLC)
600 EAST AVE F
LANCASTER CA 93535
Facility's Phone: (661)945-5944
U.S. EPA ID Number: CAD047456363

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 111820CA	1	D.T.	18	yds
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames
Signature:
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Agustin Arreola
Signature:
Month 12 Day 18 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month 12 Day 18 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY'S COPY

WEIGHMASTER: McKITTRICK WASTE TREATMENT SITE - A subsidiary of Waste Management

56533 HWY. 58 West, McKittrick, CA 93251 74557

(661) 762-7366 "CLASS II SITE"

DATE	Time	Weight (LB)
GROSS:		
TARE:		
NET:		60490
TONS		30.22

GROSS BY: DEPUTY WEIGHMASTER

TARE BY: DEPUTY WEIGHMASTER

YARDS 20

NO: 7134

Weighmaster Certificate

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture

GENERATOR	MANIFEST	DRIVER	SITE DRIVER	PROFILE No.
Los Valles	7134			11346104
TRACTOR LICENSE No.	**TRAILER LICENSE No.**	**TRANSPORTER**	**No. of WASHOUTS**	**RECEIPT No.**
9708620	4586293	CL#780		

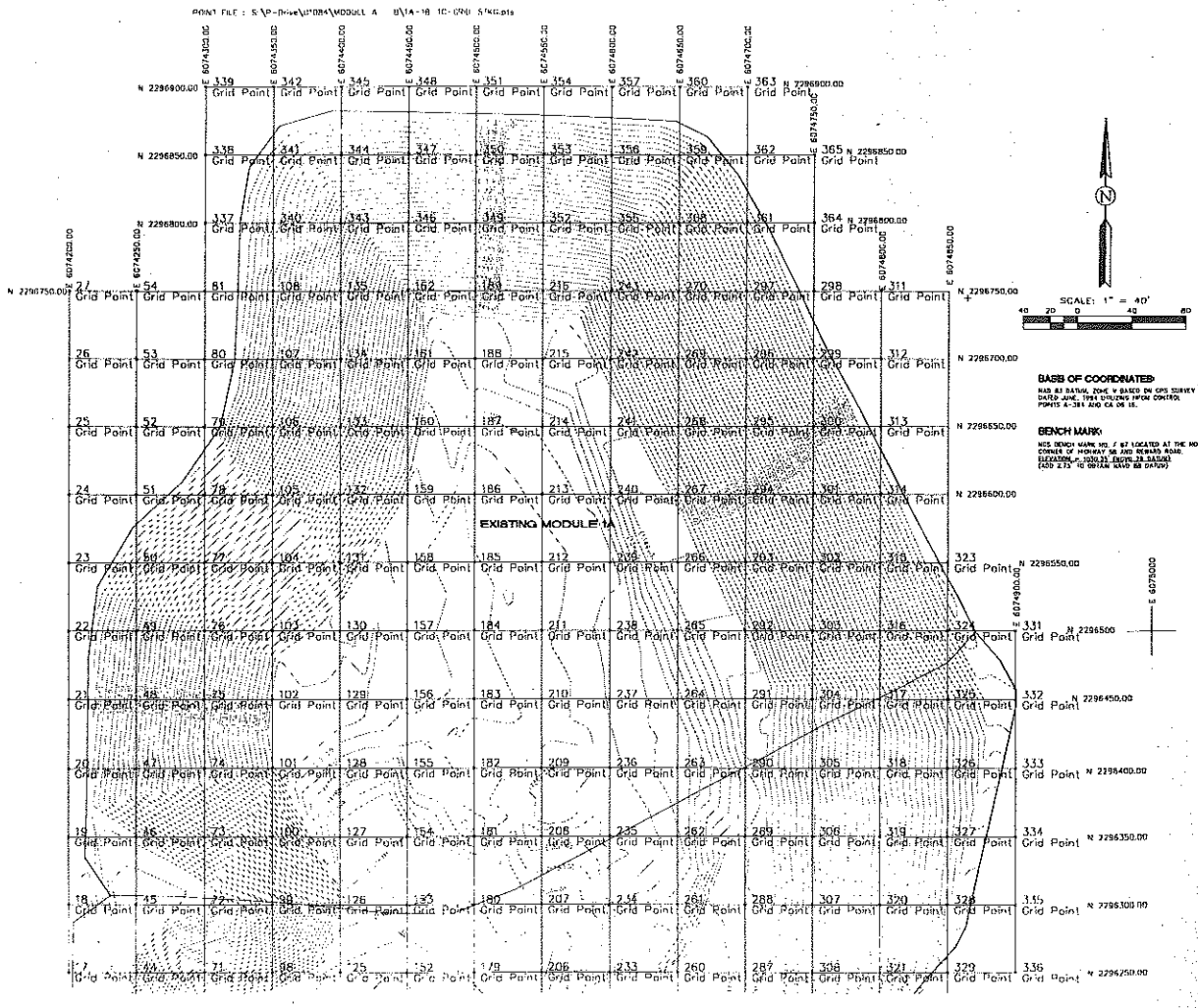
SAMPLE SCREEN ANALYSIS

COLOR:	Brn	FREE LIQUID	No
SULFIDES	Neg	FLASHPOINT	N/A
CYANIDES	Neg	OTHER	N/A
PH	6	LAYERS	1
COMMODITY:	Soil		

MULTIPLE LOAD #	
SEE MANIFEST	
PROFILE EXPIRATION	
DISPOSAL UNIT	
TIME OUT	
REC. TECH.	

RELEASING SIGNATURE	
DATE	
GRIDPOINT	240
ELEVATION	
TIME	
NOTES:	

Landfill Module A-1



ASTE MANAGEMENT

McKittrick Waste Treatment Site
35255 Hwy 58 W
McKittrick, CA, 93251
PH: (661) 762-7366

Original
Ticket# 74557

Customer Name EXCELLEXC EXCELL EXCAVATING
Ticket Date 02/18/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route North
State Waste Code
Manifest 7134
Destination
PO
Profile 113461CA (Las Vallas)
Generator 144-LasVallasCompanyLP Las Vallas Company LP

Carrier CAL LOWBED CAL LOWBED
Vehicle# Las Vallas 1 Volume 200.0
Container
Driver
Check#
Billing # 0001675
Gen EPA ID
Grid LF

	Time	Scale	Operator	Inbound		
In	02/18/2010 08:49:06	INBOUND	DCarnical		Gross	86920 lb
Out	02/18/2010 09:10:49	OUTBOUND	DCarnical		Tare	25960 lb
					Net	60960 lb
					Tons	30.22

Comments

Mon-Fri 8:00 AM- 5:00 PM Schedule 24 hours in advance

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin

780 LIC # 960 8600
4JB5243

7

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1	661 588 6410	7134

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Cal Coast Service — U.S. EPA ID Number: CAD 026801 1

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address — U.S. EPA ID Number
~~TRS (THERMAL REMEDIATION SOLUTIONS)~~ MCKITTRICK WASTE TREATMENT SITE
~~1244 W. GLADSTONE~~ 56533 HWY 58 WEST
~~AZUSA CA 91702~~ MCKITTRICK CA 93251
Facility's Phone: ~~(626) 334-0719~~ (661) 762-7366

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 113461CA ~~114910CA~~	001	DT	20	YE
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames — Signature: [signature] — Month 12 Day 19 Year 09

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mike Bosse Sr — Signature: [signature] — Month 2 Day 18 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Debbie Carrica — Signature: [signature] — Month 2 Day 18 Year 10

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY TO GENERATOR

WEIGHMASTER: McKITTRICK WASTE TREATMENT SITE - A subsidiary of Waste Management

56533 HWY. 58 West, McKittrick, CA 93251

(661) 762-7366 "CLASS II SITE"

DATE	Time	Weight (LB)
GROSS:		
TARE:		
NET:		53050
TONS		26.31

GROSS BY: DEPUTY WEIGHMASTER

TARE BY: DEPUTY WEIGHMASTER

YARDS 20

NO: 7135

Weighmaster Certificate

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture

GENERATOR	MANIFEST	DRIVER	SITE DRIVER	PROFILE No.
Goodwills	7135	MARK		113461CA
TRACTOR LICENSE No.	**TRAILER LICENSE No.**	**TRANSPORTER**	**No. of WASHOUTS**	**RECEIPT No.**
9D8363 4	4D28633	CF#1		

SAMPLE SCREEN ANALYSIS

COLOR:	Bro	FREE LIQUID	No	MULTIPLE LOAD #	
SULFIDES	Neg	FLASHPOINT	N/A	SEE MANIFEST	
CYANIDES	Neg	OTHER	N/A	PROFILE EXPIRATION	
PH	6	LAYERS	1	DISPOSAL UNIT	
COMMODITY:	Soil			TIME OUT	
				REC. TECH.	

RELEASING SIGNATURE

DATE

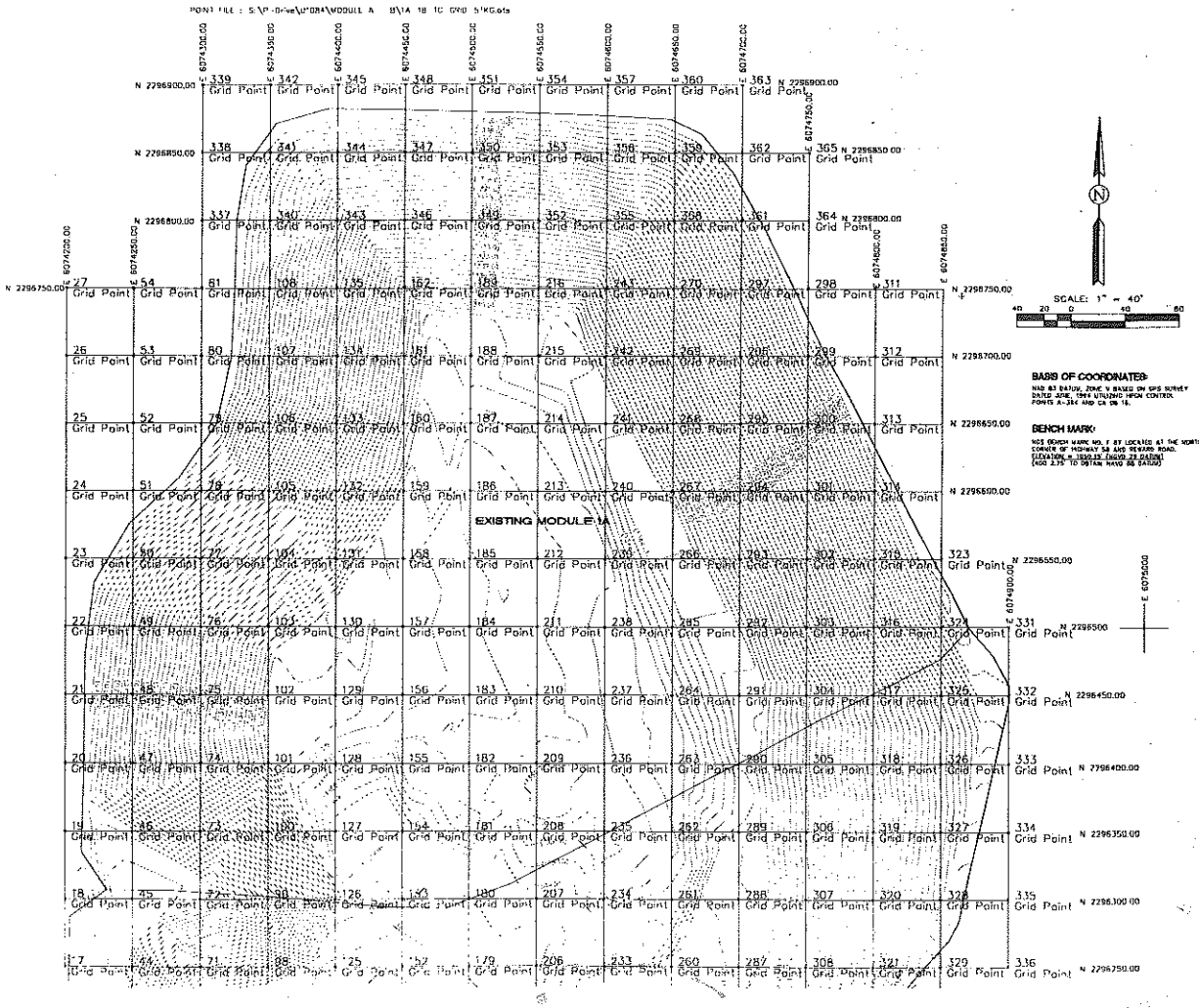
GRIDPOINT

ELEVATION

TIME

NOTES: CF

Landfill Module A-1



STE MANAGEMENT

Muskiwinik Waste Treatment Site
[illegible] Hwy 50 W.
Menomonie, WI 53051
Phs (651) 702-7366

Original
Ticket# 74558

Customer Name EXCELLENC EXCELL EXCAVATING
Ticket Date 02/10/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route North
State Waste Code
Manifest 7133
Destination
PO
Profile 113481CD (Los Valles)
Generator 144-LosVallesCompanyLP Los Valles Company LP

Carrier CAL LOADED CAL LOADED
Vehicle# Los Valles 2 Volume 20.0
Container
Driver
Check#
Billing # 0001675
Gen EPA ID
Grid CF

	Time	Scale	Operator	Inbound		
In	02/10/2010 08:55:51	INBOUND	DCarmical		Gross	85400 lb
Out	02/10/2010 09:00:49	OUTBOUND	DCarmical		Tare	32300 lb
					Net	53000 lb
					Tons	26.50

Comments

Mon-Fri 8:00 AM- 5:00 PM Schedule 24 hours in advance

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin

TRK # 9083654 16
TRIERH 4JR 8683

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		7135

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661)295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Cal Lowbed Serv
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
~~TRS (THERMAL REMEDIATION SOLUTIONS)~~ MCKITTRICK WASTE TREATMENT SITE
~~1211 W. GLADSTONE~~ 56533 HWY 58 WEST
~~AZUSA CA 91702~~ MCKITTRICK CA 93251
Facility's Phone: ~~(626)334-0710~~ (661)762-7366
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 113461CA ~~114641CA~~	001	DT	20	YD
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES
Signature: Henry Ames
Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MARK GREEN
Signature:
Month 2 Day 18 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Debbie Carnica
Signature: Debbie Carnica
Month 2 Day 18 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WEIGHMASTER: McKITTRICK WASTE TREATMENT SITE - A subsidiary of Waste Management

56533 HWY. 58 West, McKittrick, CA 93251

(661) 762-7366 **"CLASS II SITE"**

DATE	Time	Weight (LB)
GROSS:		
TARE:		
NET:	50040	
TONS	25.02	

GROSS BY: DEPUTY WEIGHMASTER

TARE BY: DEPUTY WEIGHMASTER

YARDS 20

NO: 7136

Weighmaster Certificate

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture

GENERATOR	MANIFEST	DRIVER	SITE DRIVER	PROFILE No.
Los Valles	71310			113461CA
TRACTOR LICENSE No.	**TRAILER LICENSE No.**	**TRANSPORTER**	**No. of WASHOUTS**	**RECEIPT No.**
X 9H0 4V42	X	CL49		

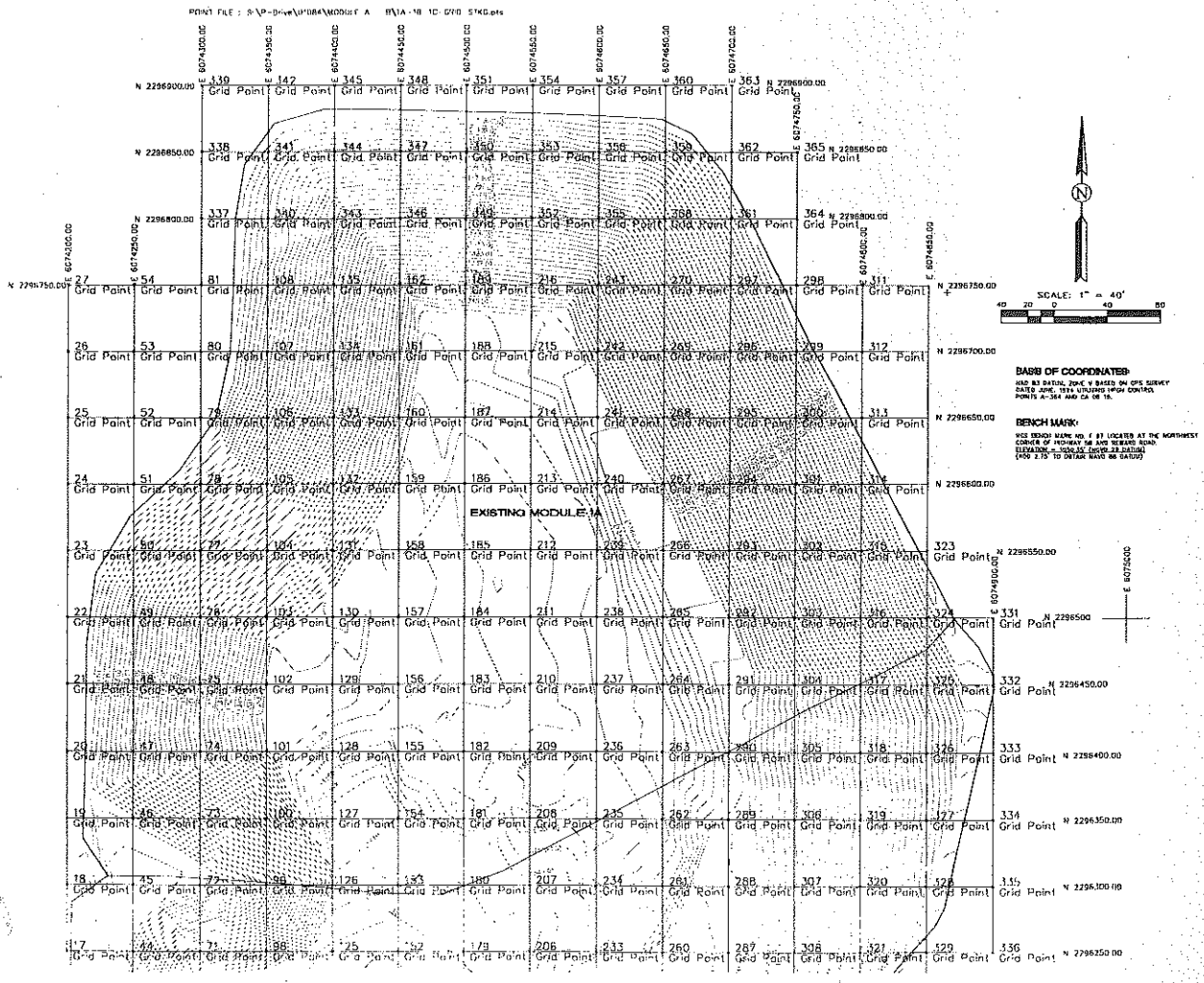
SAMPLE SCREEN ANALYSIS

COLOR:	Brn	FREE LIQUID	NO
SULFIDES	Neg	FLASHPOINT	N/A
CYANIDES	Neg	OTHER	N/A
PH	6	LAYERS	1
COMMODITY:	Soil		

MULTIPLE LOAD #	
SEE MANIFEST	
PROFILE EXPIRATION	
DISPOSAL UNIT	
TIME OUT	
REC. TECH.	

RELEASING SIGNATURE	
DATE	7/1/10
GRIDPOINT	
ELEVATION	
TIME	
NOTES:	UF

Landfill Module A-1



WASTE MANAGEMENT

McKittrick Waste Treatment Site
30535 Hwy 58 W.
McKittrick, CA, 93251
Ph: (661) 762-7366

Original
Ticket# 74589

Customer Name EXCELLEXC EXCELL EXCAVATING
Ticket Date 02/18/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route North
State Waste Code
Manifest 7136
Destination
PO
Profile 113451CB (Los Valles)
Generator 144-LosVallesCompanyLP Los Valles Company LP

Carrier CAL LOWBED CAL LOWBED
Vehicle# Los Valles 3 Volume 20.0
Container
Driver
Check#
Billing # 0001575
Gen EPA ID
Grid LF

	Time	Scale	Operator	Inbound		
In	02/18/2010 09:03:55	INBOUND	DCarmical		Gross	83920 lb
Out	02/18/2010 09:15:24	OUTBOUND	DCarmical		Tare	33880 lb
					Net	50040 lb
					Tons	25.02

Comments

Mon-Fri 8:00 AM- 5:00 PM Schedule 24 hours in advance

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin

LIC# 9A04442

15

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1	661-588-6410	CA 0268011 7130

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384

Generator's Site Address (if different than mailing address)

Generator's Phone: (661) 285-3900

6. Transporter 1 Company Name: CAL Lowbed Service — U.S. EPA ID Number:

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address — U.S. EPA ID Number
~~TRS (THERMAL REMEDIATION SOLUTIONS)~~ MCKITTRICK WASTE TREATMENT SITE
~~1211 W. GLADSTONE~~ 56533 HWY 58 WEST
~~AZUSA CA 91702~~ MCKITTRICK CA 93251
Facility's Phone: ~~(626) 334-0719~~ (661) 762-7366

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 113461CA ~~111840CA~~	001	DT	20	YD	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Rene Garza — Signature: [signature] — Month 2 Day 18 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Debbie Carmical — Signature: [signature] — Month 2 Day 18 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

DESIGNATED FACILITY TO GENERATOR

169-BLC-O 6 10498 (Rev. 8/06)

WEIGHMASTER: McKITTRICK WASTE TREATMENT SITE - A subsidiary of Waste Management

56533 HWY. 58 West, McKittrick, CA 93251

(661) 762-7366 "CLASS II SITE"

DATE	Time	Weight (LB)
GROSS:		
TARE:		
NET:		49120
TONS		24.56

GROSS BY: DEPUTY WEIGHMASTER

TARE BY: DEPUTY WEIGHMASTER

YARDS 20

NO: 7137

Weighmaster Certificate

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture

GENERATOR	MANIFEST	DRIVER	SITE DRIVER	PROFILE No.
Los Valles	7137			1346
TRACTOR LICENSE No.	**TRAILER LICENSE No.**	**TRANSPORTER**	**No. of WASHOUTS**	**RECEIPT No.**
5 69193	407			

SAMPLE SCREEN ANALYSIS

COLOR:	Brn	FREE LIQUID	No	SEE MANIFEST	
SULFIDES	Neg	FLASHPOINT	N/A	PROFILE EXPIRATION	
CYANIDES	Neg	OTHER	N/A	DISPOSAL UNIT	
PH	6	LAYERS	#1	TIME OUT	
COMMODITY:	Soil			REC. TECH.	

MULTIPLE LOAD #

RELEASING SIGNATURE

DATE

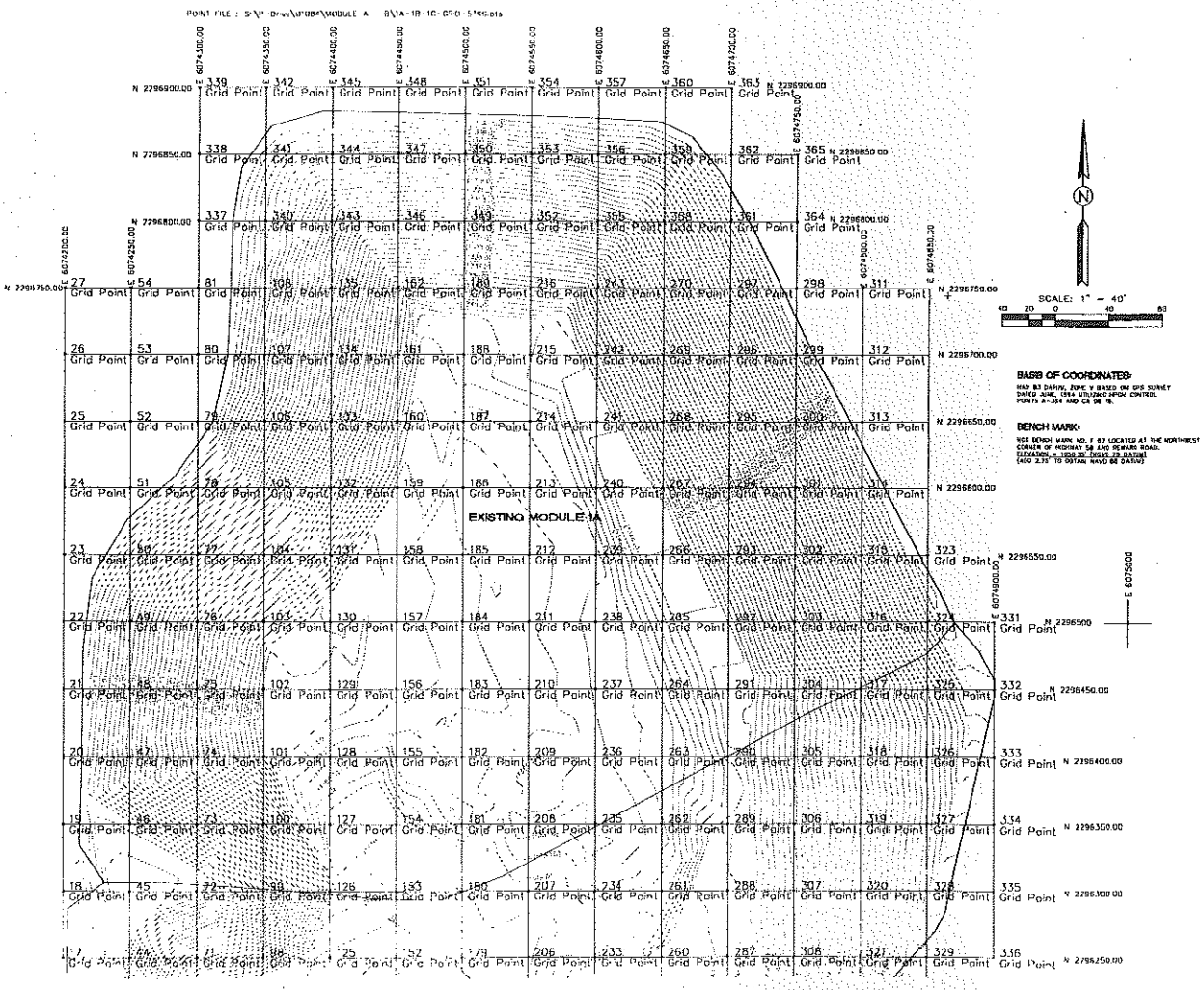
GRIDPOINT

ELEVATION

TIME

NOTES:

Landfill Module A-1



McKittrick Waste Treatment Site
[illegible]
McKittrick, CA, 93251
Phs (661) 768-7366

Original
Ticket# 74561

Customer Name EXCELLEXC EXCELL EXCAVATING
Ticket Date 02/18/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route North
State Waste Code
Manifest 7137
Destination
PO
Profile 1174610A (Los Valles)
Generator 144-LosVallesCompanyLP Los Valles Company LP

Carrier Shaffs Shaffs
Vehicle# Los Valles 1
Volume 20.5
Container
Driver
Check#
Billing # 0001575
Gen EPA ID
Grid LF

	Time	Scale	Operator	Inbound		
In	02/18/2010 09:12:32	INBOUND	DCarmical		Gross	81120 lb
Out	02/18/2010 09:26:38	OUTBOUND	DCarmical		Tare	32000 lb
			* Manual Weight		Net	49120 lb
					Tons	24.56

Comments

Mon-Fri 8:00 AM- 5:00 PM Schedule 24 hours in advance

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin

H 133 9B93479 4CT 1827 8 CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		7137

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Shafts — U.S. EPA ID Number:

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address — U.S. EPA ID Number
~~TRS (THERMAL REMEDIATION SOLUTIONS)~~ MCKITTRICK WASTE TREATMENT SITE
~~1211 W. GLADSTONE~~ 56533 HWY 58 WEST
~~AZUSA CA 91702~~ MCKITTRICK CA 93251
Facility's Phone: ~~(626) 334-0749~~ (661) 762-7366

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) ~~11481BSA~~ 11361CA	1	DT	20 ~~18~~	YD
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Henry Ames — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Harold Holman — Signature: [signature] — Month 2 Day 18 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Debbie Carrica — Signature: [signature] — Month 2 Day 18 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06) DESIGNATED FACILITY TO GENERATOR

WEIGHMASTER: McKITTRICK WASTE TREATMENT SITE - A subsidiary of Waste Management

56533 HWY. 58 West, McKittrick, CA 93251

(661) 762-7366 "CLASS II SITE"

74502

DATE	Time	Weight (LB)
GROSS:		
TARE:		
NET: 44500		
TONS 23.25		

GROSS BY: DEPUTY WEIGHMASTER

TARE BY: DEPUTY WEIGHMASTER

YARDS 20

NO: 7138

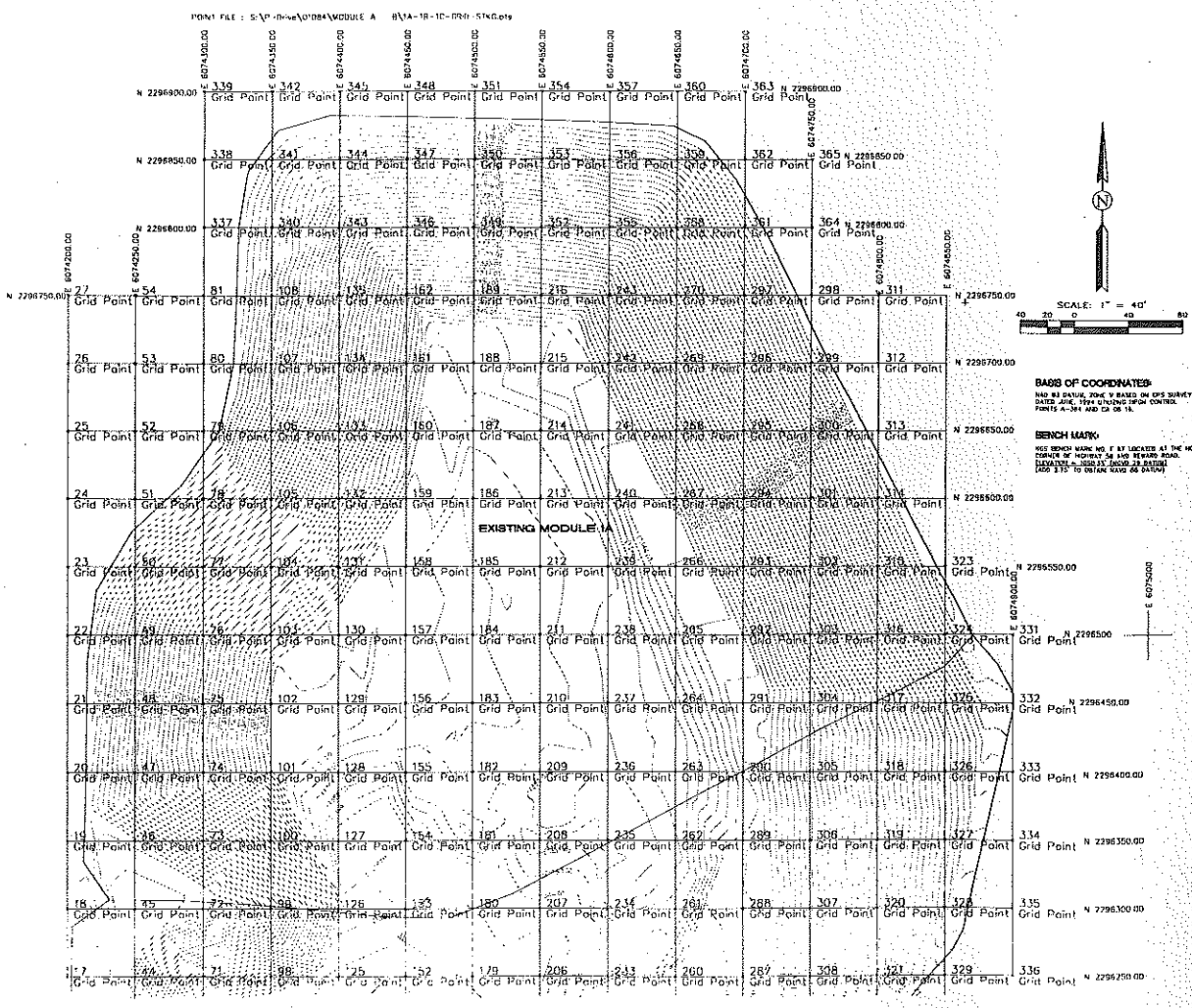
Weighmaster Certificate

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture

GENERATOR	MANIFEST	DRIVER	SITE DRIVER	PROFILE No.
Los Valles	7138			134610A
TRACTOR LICENSE No.	**TRAILER LICENSE No.**	**TRANSPORTER**	**No. of WASHOUTS**	**RECEIPT No.**
7015745	04FV255	SNAFE 150		

SAMPLE SCREEN ANALYSIS				MULTIPLE LOAD #		RELEASING SIGNATURE
COLOR:	Brn	FREE LIQUID	No	SEE MANIFEST		DATE
SULFIDES	Neg	FLASHPOINT	N/A	PROFILE EXPIRATION		GRIDPOINT
CYANIDES	Neg	OTHER	N/A	DISPOSAL UNIT		ELEVATION
PH	6	LAYERS	1	TIME OUT		TIME
COMMODITY:	Soil			REC. TECH.		NOTES:

Landfill Module A-1



McKittrick Waste Treatment Site
66365 Hwy 58 W
McKittrick, CA, 93251
Ph: (661) 762-7366

Original
Ticket# 74968

Customer Name EXCELLENC EXCELL EXCAVATING
Ticket Date 02/18/2010
Payment Type Credit Account
Manual Tickets
Hauling Tickets
Route North
State Waste Code
Manifest 7104
Destination
PO
Profile 113461CA (Las Valles)
Generator 144-LasVallesCompanyLP Las Valles Company LP

Carrier Shaffs Shaffs
Vehicle# Las Valles 2
Container
Driver
Checks
Billing # 0001675
Gen EPA ID

Grid LF

Volume 80.0

	Time	Scale	Operator	Inbound		
In	02/18/2010 09:18:46	INBOUND	DCarmical		Gross	75760 lb
Out	02/18/2010 09:32:54	OUTBOUND	DCarmical		Tare	30280 lb
					Net	45500 lb
					Tons	23.75

Comments

Mon-Fri 7:00 AM- 5:00 PM Schedule 24 hours in advance

Product	LDA	Qty	UOM	Rate	Tax	Amount	Origin

9 CWMI

Shaff's Trans Trk 150 Lic# 9D05245 Tel # 4EV2858

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		1138

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Shaff's Trans — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number
~~TRS (THERMAL REMEDIATION SOLUTIONS)~~ MCKITTRICK WASTE TREATMENT SITE
~~1211 W. GLADSTONE~~ 56533 HWY 58 WEST
~~AZUSA CA 91702~~ MCKITTRICK CA 93251
Facility's Phone: ~~(626) 334-0718~~ (661) 762-7366

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 113461CA ~~111810CA~~	001	DT	20	YD
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Henry Ames — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Travis Chance — Signature: [signature] — Month 2 Day 18 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Debbie Carmichael — Signature: [signature] — Month 2 Day 18 Year 10

169-BLC-O 6 10498 (Rev. 8/06) DESIGNATED FACILITY TO GENERATOR

WEIGHMASTER: McKITTRICK WASTE TREATMENT SITE - A subsidiary of Waste Management

56533 HWY. 58 West, McKittrick, CA 93251

(661) 762-7366 "CLASS II SITE"

DATE	Time	Weight (LB)
GROSS:		
TARE:		
NET:	64 3100	
TONS	32.18	

GROSS BY: DEPUTY WEIGHMASTER

TARE BY: DEPUTY WEIGHMASTER

YARDS

NO: 7139

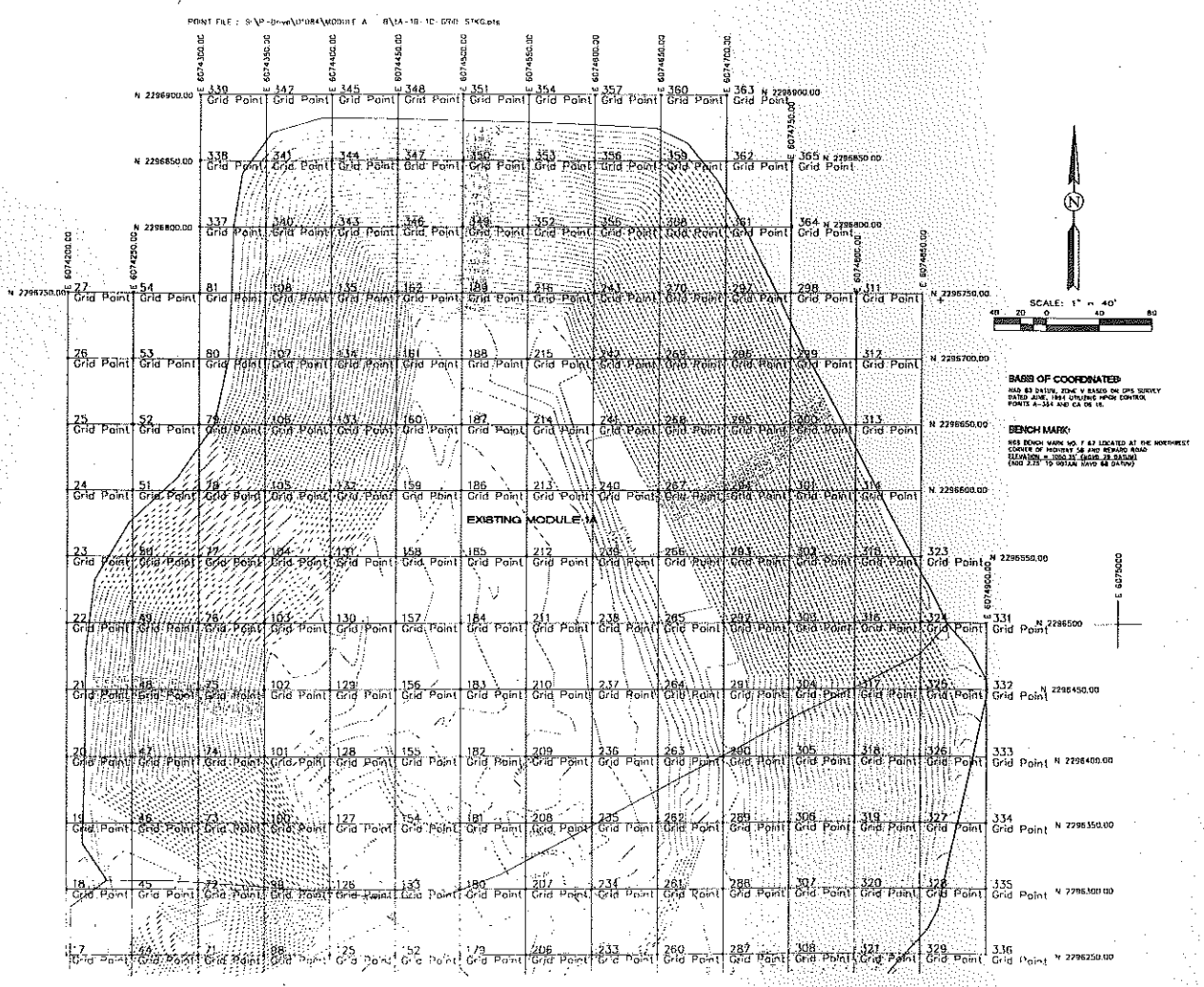
Weighmaster Certificate

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture

GENERATOR	MANIFEST	DRIVER	SITE DRIVER	PROFILE No.
Los Valles	7139			11346 CA
TRACTOR LICENSE No.	**TRAILER LICENSE No.**	**TRANSPORTER**	**No. of WASHOUTS**	**RECEIPT No.**
9803865	506452	CUF 781		

SAMPLE SCREEN ANALYSIS				MULTIPLE LOAD #		RELEASING SIGNATURE
COLOR:	Brn	FREE LIQUID	NO	SEE MANIFEST		DATE
SULFIDES	Neg	FLASHPOINT	N/A	PROFILE EXPIRATION		GRIDPOINT
CYANIDES	Neg	OTHER	N/A	DISPOSAL UNIT		ELEVATION
PH	6	LAYERS	1	TIME OUT		TIME
COMMODITY:	Soil			REC. TECH.		NOTES:

Landfill Module A-1



WASTE MANAGEMENT

McKittrick Waste Treatment Site
56533 Hwy 58 W.
McKittrick, CA, 93251
Ph: (661) 762-7356

Original
Ticket# 74568

Customer Name EXCELLEXC EXCELL EXCAVATING
Ticket Date 02/16/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route North
State Waste Code
Manifest 7139
Destination
PO
Profile 113061CA (Los Valles)
Generator 144-LosVallesCompanyLP Los Valles Company LP

Carrier COL LOWBED COL LOWBED
Vehicle# Los Valles 1 Volume 20.0
Container
Driver
Check#
Billing # 0001675
Gen EPA ID

Grid LF

	Time	Scale	Operator	Inbound		
In	02/16/2010 14:02:18	INBOUND	DCarnical		Gross	89920 lb
Out	02/16/2010 14:23:25	OUTBOUND	DCarnical		Tare	25560 lb
					Net	64360 lb
					Tons	32.18

Comments

Mon-Fri 5:00 AM - 5:00 PM Schedule 24 hours in advance

Product	LD#	Qty	UOM	Rate	Tax	Amount	Origin

10

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1		7139

GENERATOR

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Cal Lowbed Services — U.S. EPA ID Number:

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address — U.S. EPA ID Number
~~TRS (THERMAL REMEDIATION SOLUTIONS)~~ MCKITTRICK WASTE TREATMENT SITE
~~1211 W. GLADSTONE~~ 56533 HWY 58 WEST
~~AZUSA CA 91702~~ MCKITTRICK CA 93251
Facility's Phone: ~~(626) 334-0749~~ (661) 762-7366

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) 113461CA ~~1118108A~~	001	T2	20	WE	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Lic# 9803665 TRK #789

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Cal Lowbed — Signature: [signature] — Month 2 Day 10 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Debbie Carrica — Signature: [signature] — Month 2 Day 18 Year 10

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY TO GENERATOR

WEIGHMASTER: McKITTRICK WASTE TREATMENT SITE - A subsidiary of Waste Management

56533 HWY. 58 West, McKittrick, CA 93251

(661) 762-7366 **"CLASS II SITE"**

74509

	DATE	Time	Weight (LB)
GROSS:	02 10 10	1458143	91180 LB
TARE:	02 10 10	1412020	25400 LB
NET:	65740		
TONS	32.87		

GROSS BY: DEPUTY WEIGHMASTER

TARE BY: DEPUTY WEIGHMASTER

YARDS 20

NO: 7140

Weighmaster Certificate

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with 12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture

GENERATOR	MANIFEST	DRIVER	SITE DRIVER	PROFILE No.
Los Valles	7140			1134610A
TRACTOR LICENSE No.	**TRAILER LICENSE No.**	**TRANSPORTER**	**No. of WASHOUTS**	**RECEIPT No.**
950600	4TC5247	CL#780		

SAMPLE SCREEN ANALYSIS

COLOR:	Brn	FREE LIQUID	NO	MULTIPLE LOAD #	
SULFIDES	Neg	FLASHPOINT	N/A	SEE MANIFEST	
CYANIDES	Neg	OTHER	N/A	PROFILE EXPIRATION	
PH	10	LAYERS	1	DISPOSAL UNIT	
COMMODITY:	Soil			TIME OUT	
				REC. TECH.	

RELEASING SIGNATURE

DATE

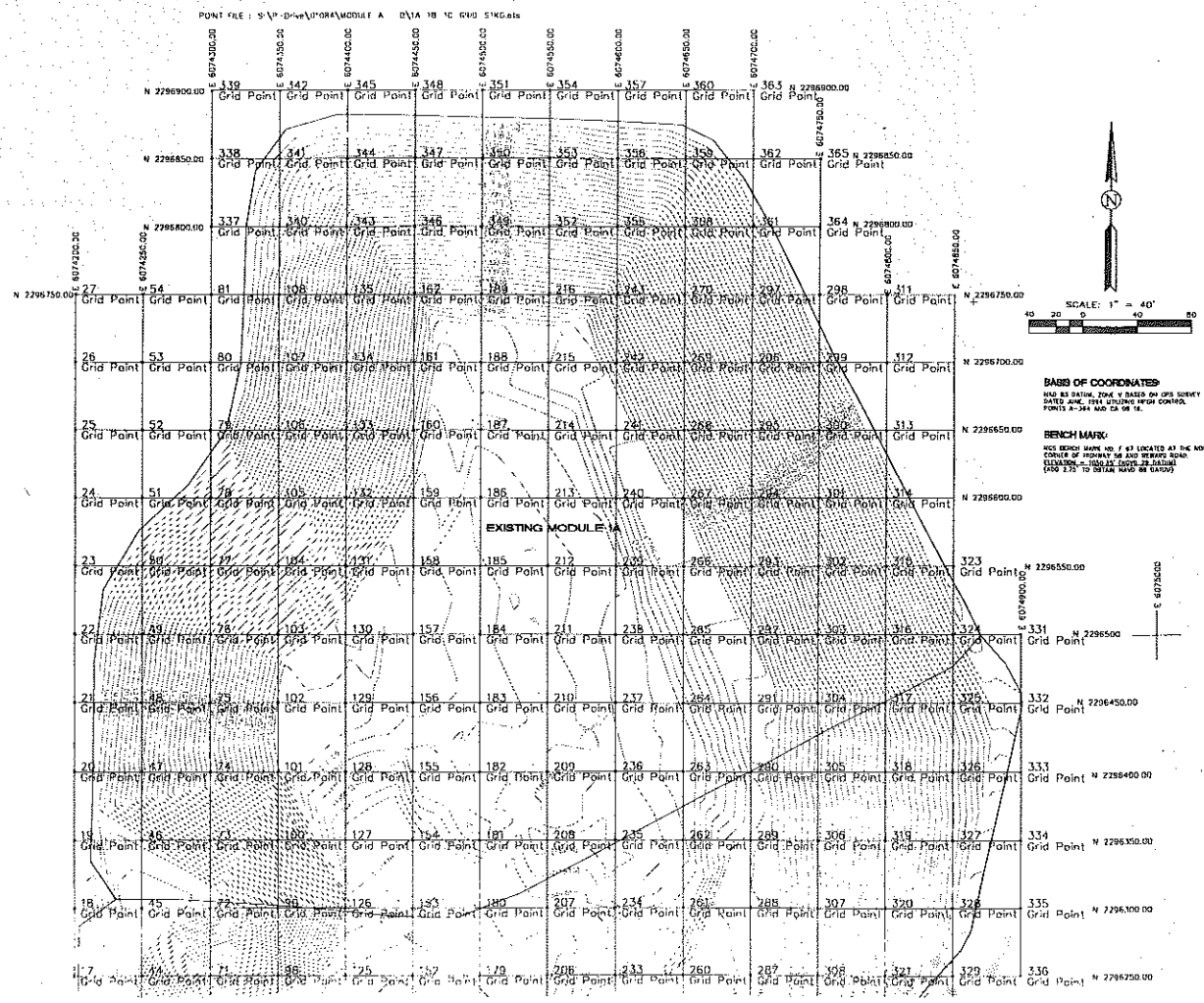
GRIDPOINT

ELEVATION

TIME

NOTES: LF

Landfill Module A-1



WASTE MANAGEMENT

McKittrick Waste Treatment Site
58880 Hwy 58 W.
McKittrick, CA, 93251
Ph: (661) 762-7366

Original
Ticket# 74969

Customer Name EXCELLEXC EXCELL EXCAVATING
Ticket Date 02/19/2010
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route North
State Waste Code
Manifest 7148
Destination
PO
Profile 112461CA (Los Valles)
Generator 144-LosVallesCompanyLP Los Valles Company LP

Carrier CAL LOWBED CAL LOWBED
Vehicle# Los Valles 2 Volume 20.0
Container
Driver
Check#
Billing # 0001675
Gen EPA ID
Grid LF

	Time	Scale	Operator	Inbound	Gross	91140 lb
In	02/19/2010 14:05:25	INBOUND	DCarsical		Tare	25400 lb
Out	02/19/2010 14:26:02	OUTBOUND	DCarsical		Net	65740 lb
					Tons	32.87

Comments

Mon-Fri. 8:00 AM- 5:00 PM Schedule 24 hours in advance

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin

T-180 Lic 7600400
4JB523

17

CWMI

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	EXEMPT	1	6615886410	7140

5. Generator's Name and Mailing Address
LOS VALLES COMPANY L.P.
28909 HASLEY CANYON RD.
SANTA CLARITA 91384
Generator's Phone: (661) 295-3900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Cal Loaded Service — U.S. EPA ID Number: CAE 0268011

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address — U.S. EPA ID Number
~~TRS (THERMAL REMEDIATION SOLUTIONS)~~ MCKITTRICK WASTE TREATMENT SITE
~~1211 W. GLADSTONE~~ 56533 HWY 58 WEST
~~AZUSA CA 91702~~ MCKITTRICK CA 93251
Facility's Phone: ~~(626) 334-0719~~ (661) 762-7366

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON HAZARDOUS WASTE SOILD (SOIL CONTAMINATED WITH DIESEL) ~~111016CA~~ 113461CA	001	DT	20	YD	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: HENRY AMES — Signature: [signature] — Month 12 Day 19 Year 09

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Bosse — Signature: [signature] — Month 2 Day 18 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Debbie Carmical — Signature: [signature] — Month 2 Day 18 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06) DESIGNATED FACILITY TO GENERATOR

ATTACHMENT E

Laboratory Analytical Reports

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Stratus Environmental (10930)
ATTN: Henry Ames
5412 Bolsa Avenue
Suite G
Huntington Beach, CA 92649

LAB REQUEST 241589
REPORTED 10/07/2009
RECEIVED 09/24/2009

PROJECT Los Valles
28909 Hasley Canyon Rd., Santa Clarita

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1024715	MW-8A
1024716	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1024715
Matrix: WATER
Date Sampled: 09/24/2009
Time Sampled: 11:45
Sampled By:

Client: Stratus Environmental
Client Sample ID: MW-8A

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	09/29/09	AF
C10 - C22	ND	1	0.2	mg/L	09/29/09	AF
C22 - C36	ND	1	0.3	mg/L	09/29/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	75			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	10/05/09	RP
1,1,1-Trichloroethane	ND	1	5	ug/L	10/05/09	RP
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	10/05/09	RP
1,1,2-Trichloroethane	ND	1	5	ug/L	10/05/09	RP
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	10/05/09	RP
1,1-Dichloroethane	ND	1	5	ug/L	10/05/09	RP
1,1-Dichloroethene	ND	1	5	ug/L	10/05/09	RP
1,1-Dichloropropene	ND	1	5	ug/L	10/05/09	RP
1,2,3-Trichlorobenzene	ND	1	5	ug/L	10/05/09	RP
1,2,3-Trichloropropane	ND	1	5	ug/L	10/05/09	RP
1,2,4-Trichlorobenzene	ND	1	5	ug/L	10/05/09	RP
1,2,4-Trimethylbenzene	ND	1	5	ug/L	10/05/09	RP
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	10/05/09	RP
1,2-Dibromoethane	ND	1	5	ug/L	10/05/09	RP
1,2-Dichlorobenzene	ND	1	5	ug/L	10/05/09	RP
1,2-Dichloroethane	ND	1	5	ug/L	10/05/09	RP
1,2-Dichloropropane	ND	1	5	ug/L	10/05/09	RP
1,3,5-Trimethylbenzene	ND	1	5	ug/L	10/05/09	RP
1,3-Dichlorobenzene	ND	1	5	ug/L	10/05/09	RP
1,3-Dichloropropane	ND	1	5	ug/L	10/05/09	RP
1,4-Dichlorobenzene	ND	1	5	ug/L	10/05/09	RP
2,2-Dichloropropane	ND	1	5	ug/L	10/05/09	RP
2-Butanone (MEK)	ND	1	100	ug/L	10/05/09	RP
2-Chloroethyl vinyl ether	ND	1	5	ug/L	10/05/09	RP
2-Chlorotoluene	ND	1	5	ug/L	10/05/09	RP
4-Chlorotoluene	ND	1	5	ug/L	10/05/09	RP
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	10/05/09	RP
Acetone	ND	1	100	ug/L	10/05/09	RP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1024715 **Client:** Stratus Environmental
Matrix: WATER **Client Sample ID:** MW-8A
Date Sampled: 09/24/2009
Time Sampled: 11:45
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/L	10/05/09	RP
Benzene	ND	1	1	ug/L	10/05/09	RP
Bromobenzene	ND	1	5	ug/L	10/05/09	RP
Bromochloromethane	ND	1	5	ug/L	10/05/09	RP
Bromodichloromethane	ND	1	5	ug/L	10/05/09	RP
Bromoform	ND	1	5	ug/L	10/05/09	RP
Bromomethane	ND	1	5	ug/L	10/05/09	RP
Carbon tetrachloride	ND	1	5	ug/L	10/05/09	RP
Chlorobenzene	ND	1	5	ug/L	10/05/09	RP
Chloroethane	ND	1	5	ug/L	10/05/09	RP
Chloroform	ND	1	5	ug/L	10/05/09	RP
Chloromethane	ND	1	5	ug/L	10/05/09	RP
cis-1,2-Dichloroethene	ND	1	5	ug/L	10/05/09	RP
cis-1,3-Dichloropropene	ND	1	5	ug/L	10/05/09	RP
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	10/05/09	RP
Dibromochloromethane	ND	1	5	ug/L	10/05/09	RP
Dibromomethane	ND	1	5	ug/L	10/05/09	RP
Dichlorodifluoromethane	ND	1	5	ug/L	10/05/09	RP
Ethyl benzene	ND	1	5	ug/L	10/05/09	RP
Hexachlorobutadiene	ND	1	5	ug/L	10/05/09	RP
Isopropylbenzene (Cumene)	ND	1	5	ug/L	10/05/09	RP
m and p-Xylene	ND	1	5	ug/L	10/05/09	RP
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	10/05/09	RP
Methylene chloride	ND	1	5	ug/L	10/05/09	RP
n-Butylbenzene	ND	1	5	ug/L	10/05/09	RP
n-Propylbenzene	ND	1	5	ug/L	10/05/09	RP
Naphthalene	ND	1	5	ug/L	10/05/09	RP
o-Xylene	ND	1	5	ug/L	10/05/09	RP
p-Isopropyltoluene	ND	1	5	ug/L	10/05/09	RP
sec-Butylbenzene	ND	1	5	ug/L	10/05/09	RP
Styrene	ND	1	5	ug/L	10/05/09	RP
tert-Butylbenzene	ND	1	5	ug/L	10/05/09	RP
Tetrachloroethene	ND	1	5	ug/L	10/05/09	RP
Toluene	ND	1	5	ug/L	10/05/09	RP
trans-1,2-Dichloroethene	ND	1	5	ug/L	10/05/09	RP
trans-1,3-Dichloropropene	ND	1	5	ug/L	10/05/09	RP
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	10/05/09	RP
Trichloroethene	ND	1	5	ug/L	10/05/09	RP
Trichlorofluoromethane	ND	1	5	ug/L	10/05/09	RP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1024715 **Client:** Stratus Environmental

Matrix: WATER **Client Sample ID:** MW-8A

Date Sampled: 09/24/2009

Time Sampled: 11:45

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/L	10/05/09	RP
Xylenes, total	ND	1	5	ug/L	10/05/09	RP
Di-isopropyl ether (DIPE)	ND	1	1.0	ug/L	10/05/09	RP
Ethyl-tertbutylether (ETBE)	ND	1	1.0	ug/L	10/05/09	RP
Tert-amylmethylether (TAME)	ND	1	1.0	ug/L	10/05/09	RP
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	10/05/09	RP
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	93			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	114			%	70 - 135	
Surr3 - Toluene-d8	97			%	70 - 135	
Surr4 - p-Bromofluorobenzene	104			%	70 - 135	

8015B - Gasoline

Gasoline	ND	1	50	ug/L	09/28/09	LT
Surrogates				**Units**	**Control Limits**	
p-Bromofluorobenzene (Sur)	85			%	60 - 140	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1024716 **Client:** Stratus Environmental

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	0.2	mg/L	09/29/09	AF
C10 - C22	ND	1	0.2	mg/L	09/29/09	AF
C22 - C36	ND	1	0.3	mg/L	09/29/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	135			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	10/05/09	RP
1,1,1-Trichloroethane	ND	1	5	ug/L	10/05/09	RP
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	10/05/09	RP
1,1,2-Trichloroethane	ND	1	5	ug/L	10/05/09	RP
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	10/05/09	RP
1,1-Dichloroethane	ND	1	5	ug/L	10/05/09	RP
1,1-Dichloroethene	ND	1	5	ug/L	10/05/09	RP
1,1-Dichloropropene	ND	1	5	ug/L	10/05/09	RP
1,2,3-Trichlorobenzene	ND	1	5	ug/L	10/05/09	RP
1,2,3-Trichloropropane	ND	1	5	ug/L	10/05/09	RP
1,2,4-Trichlorobenzene	ND	1	5	ug/L	10/05/09	RP
1,2,4-Trimethylbenzene	ND	1	5	ug/L	10/05/09	RP
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	10/05/09	RP
1,2-Dibromoethane	ND	1	5	ug/L	10/05/09	RP
1,2-Dichlorobenzene	ND	1	5	ug/L	10/05/09	RP
1,2-Dichloroethane	ND	1	5	ug/L	10/05/09	RP
1,2-Dichloropropane	ND	1	5	ug/L	10/05/09	RP
1,3,5-Trimethylbenzene	ND	1	5	ug/L	10/05/09	RP
1,3-Dichlorobenzene	ND	1	5	ug/L	10/05/09	RP
1,3-Dichloropropane	ND	1	5	ug/L	10/05/09	RP
1,4-Dichlorobenzene	ND	1	5	ug/L	10/05/09	RP
2,2-Dichloropropane	ND	1	5	ug/L	10/05/09	RP
2-Butanone (MEK)	ND	1	100	ug/L	10/05/09	RP
2-Chloroethyl vinyl ether	ND	1	5	ug/L	10/05/09	RP
2-Chlorotoluene	ND	1	5	ug/L	10/05/09	RP
4-Chlorotoluene	ND	1	5	ug/L	10/05/09	RP
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	10/05/09	RP
Acetone	ND	1	100	ug/L	10/05/09	RP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1024716 **Client:** Stratus Environmental

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/L	10/05/09	RP
Benzene	ND	1	1	ug/L	10/05/09	RP
Bromobenzene	ND	1	5	ug/L	10/05/09	RP
Bromochloromethane	ND	1	5	ug/L	10/05/09	RP
Bromodichloromethane	ND	1	5	ug/L	10/05/09	RP
Bromoform	ND	1	5	ug/L	10/05/09	RP
Bromomethane	ND	1	5	ug/L	10/05/09	RP
Carbon tetrachloride	ND	1	5	ug/L	10/05/09	RP
Chlorobenzene	ND	1	5	ug/L	10/05/09	RP
Chloroethane	ND	1	5	ug/L	10/05/09	RP
Chloroform	ND	1	5	ug/L	10/05/09	RP
Chloromethane	ND	1	5	ug/L	10/05/09	RP
cis-1,2-Dichloroethene	ND	1	5	ug/L	10/05/09	RP
cis-1,3-Dichloropropene	ND	1	5	ug/L	10/05/09	RP
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	10/05/09	RP
Dibromochloromethane	ND	1	5	ug/L	10/05/09	RP
Dibromomethane	ND	1	5	ug/L	10/05/09	RP
Dichlorodifluoromethane	ND	1	5	ug/L	10/05/09	RP
Ethyl benzene	ND	1	5	ug/L	10/05/09	RP
Hexachlorobutadiene	ND	1	5	ug/L	10/05/09	RP
Isopropylbenzene (Cumene)	ND	1	5	ug/L	10/05/09	RP
m and p-Xylene	ND	1	5	ug/L	10/05/09	RP
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	10/05/09	RP
Methylene chloride	ND	1	5	ug/L	10/05/09	RP
n-Butylbenzene	ND	1	5	ug/L	10/05/09	RP
n-Propylbenzene	ND	1	5	ug/L	10/05/09	RP
Naphthalene	ND	1	5	ug/L	10/05/09	RP
o-Xylene	ND	1	5	ug/L	10/05/09	RP
p-Isopropyltoluene	ND	1	5	ug/L	10/05/09	RP
sec-Butylbenzene	ND	1	5	ug/L	10/05/09	RP
Styrene	ND	1	5	ug/L	10/05/09	RP
tert-Butylbenzene	ND	1	5	ug/L	10/05/09	RP
Tetrachloroethene	ND	1	5	ug/L	10/05/09	RP
Toluene	ND	1	5	ug/L	10/05/09	RP
trans-1,2-Dichloroethene	ND	1	5	ug/L	10/05/09	RP
trans-1,3-Dichloropropene	ND	1	5	ug/L	10/05/09	RP
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	10/05/09	RP
Trichloroethene	ND	1	5	ug/L	10/05/09	RP
Trichlorofluoromethane	ND	1	5	ug/L	10/05/09	RP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1024716 **Client:** Stratus Environmental

Matrix: WATER **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/L	10/05/09	RP
Xylenes, total	ND	1	5	ug/L	10/05/09	RP
Di-isopropyl ether (DIPE)	ND	1	1.0	ug/L	10/05/09	RP
Ethyl-tertbutylether (ETBE)	ND	1	1.0	ug/L	10/05/09	RP
Tert-amylmethylether (TAME)	ND	1	1.0	ug/L	10/05/09	RP
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	10/05/09	RP
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	91			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	111			%	70 - 135	
Surr3 - Toluene-d8	100			%	70 - 135	
Surr4 - p-Bromofluorobenzene	103			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1	50	ug/L	09/28/09	LT
Surrogates				**Units**	**Control Limits**	
p-Bromofluorobenzene (Sur)	73			%	60 - 140	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 242043-641
Date Prepared: October 5, 2009
Date Analyzed: 10/5-10/6/09
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 241589, 241897, 242043, 241930, 242005

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	54.90	51.90	110	104	6	22	59 - 172
MTBE	0.00	50.0	57.20	61.10	114	122	7	24	62 - 137
Benzene	0.00	50.0	53.30	50.80	107	102	5	24	62 - 137
Trichloroethene	0.00	50.0	50.30	48.40	101	97	4	21	66 - 142
Toluene	0.00	50.0	50.10	49.60	100	99	1	21	59 - 139
Chlorobenzene	0.00	50.0	49.10	48.30	98	97	2	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	54.90	110	59 - 172
MTBE	50.0	63.20	126	62 - 137
Benzene	50.0	51.00	102	62 - 137
Trichloroethene	50.0	51.00	102	66 - 142
Toluene	50.0	50.20	100	59 - 139
Chlorobenzene	50.0	50.20	100	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	91	92		100	96		97	70 - 135
1,2-Dichloroethane-d4	111	115		108	110		109	70 - 135
Toluene-d8	100	100		99	98		99	70 - 135
p-Bromofluorobenzene	103	103		99	96		103	70 - 135

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G2-LCS&LCSD

Matrix: WATER

Prep. Date: September 28, 2009

Analysis Date 9/28/09-9/29/09

Lab ID#'s in Batch: 241580 , 241521 , 241589 , 241661 , 241571 , 241709 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	460	459	92	92	0

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	73
LCS	109
LCSD	110

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LCS/LCSD

Matrix: WATER

Extraction Method : 3510C

Prep. Date: September 28, 2009

Analysis Date September 29, 2009

Lab ID#'s in Batch: 241684, 241666, 241589, 241632, 241663

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
DIESEL	8015D	ND	1.0	1.1	0.9	114	92	21

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 60 - 140
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	n-triacontane-d62
QC Limit	**60-140**
Method Blank	135
LCS	140
LCSD	125

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Stratus
Project: Los Valles
Date Received: 9-24-09
Sampler's Name: (Yes) No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other _____
Cooler or box temperature: 2.0°C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓		✓
Were custody seals present?		✓	
If Yes – were they intact?		✓	
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓	✓	
Was there headspace in VOA vials?			
Were the containers labeled with correct preservatives?	✓		
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments
~~5 VOAS only~~ M. Eckert JM

Section 5
Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: [signature] Date: 9-24-09

Chain of Custody Record

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Company: STRATUS
Phone: 714 230 2495
Project Manager: HENRY AMO
Fax: 714 230 2496
Project Name: LOS VALLES
Project #:
Site Name and Address: 28909 HASLEY CANYON RD. SANTA CLARITA.
A.L. Job No.:
Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	8015M Carbon Chain Distribution	8260B Full Scan	8015 gas								Test Instructions & Comments
1	MW-8A		9-24-09	1145	GW	6		X	X	X								
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	6	Properly Cooled (Y) / N / NA	
Custody Seals Y / N / (NA)		Samples Intact (Y) / N / NA	
Received in Good Condition (Y) / N		Samples Accepted (Y) / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 9-24-09 Time: 1245	Date: Time:	Date: Time:
Received By: 1.	**Received By:** 2.	**Received By:** 3.
Signature:	Signature:	Signature:
Printed Name: Juan Montoya	Printed Name:	Printed Name:
Date: 9-24-09 Time: 12:44	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Stratus Environmental (10930)
ATTN: Henry Ames
5412 Bolsa Avenue
Suite G
Huntington Beach, CA 92649

LAB REQUEST 246666

REPORTED 12/22/2009

RECEIVED 12/18/2009

PROJECT Los Valles Development

SUBMITTER Client

COMMENTS * Matrix Interference

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1044824	SE-Wall-10'
1044825	SE-Wall-20'
1044826	SW-Wall-10'
1044827	SW-Wall-20'
1044828	NW-Wall-10'
1044829	NW-Wall-20'
1044830	NE-Wall-10'
1044831	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1044824
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:00
Sampled By:

Client: Stratus Environmental
Client Sample ID: SE-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	ND	1	3	mg/Kg	12/21/09	AF
C22 - C36	ND	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	121			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/20/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/20/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/20/09	LZ
Acetone	ND	1	50	ug/Kg	12/20/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044824 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-Wall-10'
Date Sampled: 12/17/2009
Time Sampled: 14:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Benzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromoform	ND	1	5	ug/Kg	12/20/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/20/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/20/09	LZ
Chloroform	ND	1	5	ug/Kg	12/20/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/20/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/20/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/20/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/20/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/20/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/20/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/20/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/20/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Styrene	ND	1	5	ug/Kg	12/20/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Toluene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/20/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044824 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-Wall-10'
Date Sampled: 12/17/2009
Time Sampled: 14:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/20/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/20/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	111			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	99			%	70 - 135	
Surr3 - Toluene-d8	95			%	70 - 135	
Surr4 - p-Bromofluorobenzene	114			%	70 - 135	

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/21/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/21/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/21/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/21/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/21/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/21/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/21/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/21/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/21/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/21/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/21/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/21/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044824 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-Wall-10'
Date Sampled: 12/17/2009
Time Sampled: 14:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/21/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/21/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/21/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/21/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/21/09	SD
Anthracene	ND	1	300	ug/Kg	12/21/09	SD
Benzidine	ND	1	1500	ug/Kg	12/21/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/21/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/21/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Chrysene	ND	1	300	ug/Kg	12/21/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/21/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/21/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Fluorene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/21/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/21/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/21/09	SD
Isophorone	ND	1	300	ug/Kg	12/21/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/21/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/21/09	SD
Naphthalene	ND	1	300	ug/Kg	12/21/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/21/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044824
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:00
Sampled By:

Client: Stratus Environmental
Client Sample ID: SE-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/21/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/21/09	SD
Phenol	ND	1	300	ug/Kg	12/21/09	SD
Pyrene	ND	1	300	ug/Kg	12/21/09	SD

Surrogates		Units	Control Limits
2,4,6-Tribromophenol (sur)	73	%	17 - 122
2-Fluorobiphenyl (sur)	51	%	30 - 115
2-Fluorophenol (sur)	59	%	25 - 121
Nitrobenzene-d5 (sur)	50	%	23 - 120
Phenol-d5 (sur)	56	%	24 - 113
Terphenyl-d14 (sur)	90	%	18 - 137

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044825 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-Wall-20'
Date Sampled: 12/17/2009
Time Sampled: 14:10
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	ND	1	3	mg/Kg	12/21/09	AF
C22 - C36	ND	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	86			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/20/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/20/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/20/09	LZ
Acetone	ND	1	50	ug/Kg	12/20/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044825
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:10
Sampled By:

Client: Stratus Environmental
Client Sample ID: SE-Wall-20'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Benzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromoform	ND	1	5	ug/Kg	12/20/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/20/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/20/09	LZ
Chloroform	ND	1	5	ug/Kg	12/20/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/20/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/20/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/20/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/20/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/20/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/20/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/20/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/20/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Styrene	ND	1	5	ug/Kg	12/20/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Toluene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/20/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044825
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:10
Sampled By:

Client: Stratus Environmental
Client Sample ID: SE-Wall-20'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/20/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/20/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	110			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	100			%	70 - 135	
Surr3 - Toluene-d8	97			%	70 - 135	
Surr4 - p-Bromofluorobenzene	119			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/21/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/21/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/21/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/21/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/21/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/21/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/21/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/21/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/21/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/21/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/21/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/21/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044825
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:10
Sampled By:

Client: Stratus Environmental
Client Sample ID: SE-Wall-20'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/21/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/21/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/21/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/21/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/21/09	SD
Anthracene	ND	1	300	ug/Kg	12/21/09	SD
Benzidine	ND	1	1500	ug/Kg	12/21/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/21/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/21/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Chrysene	ND	1	300	ug/Kg	12/21/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/21/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/21/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Fluorene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/21/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/21/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/21/09	SD
Isophorone	ND	1	300	ug/Kg	12/21/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/21/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/21/09	SD
Naphthalene	ND	1	300	ug/Kg	12/21/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/21/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044825
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:10
Sampled By:

Client: Stratus Environmental
Client Sample ID: SE-Wall-20'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/21/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/21/09	SD
Phenol	ND	1	300	ug/Kg	12/21/09	SD
Pyrene	ND	1	300	ug/Kg	12/21/09	SD

Surrogates		Units	Control Limits
2,4,6-Tribromophenol (sur)	71	%	17 - 122
2-Fluorobiphenyl (sur)	52	%	30 - 115
2-Fluorophenol (sur)	60	%	25 - 121
Nitrobenzene-d5 (sur)	51	%	23 - 120
Phenol-d5 (sur)	54	%	24 - 113
Terphenyl-d14 (sur)	90	%	18 - 137

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044826
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:20
Sampled By:

Client: Stratus Environmental
Client Sample ID: SW-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	ND	1	3	mg/Kg	12/21/09	AF
C22 - C36	ND	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	137			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/20/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/20/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/20/09	LZ
Acetone	ND	1	50	ug/Kg	12/20/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044826
Client: Stratus Environmental
Matrix: SOLID
Client Sample ID: SW-Wall-10'
Date Sampled: 12/17/2009
Time Sampled: 14:20
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Benzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromoform	ND	1	5	ug/Kg	12/20/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/20/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/20/09	LZ
Chloroform	ND	1	5	ug/Kg	12/20/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/20/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/20/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/20/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/20/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/20/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/20/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/20/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/20/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Styrene	ND	1	5	ug/Kg	12/20/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Toluene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/20/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044826 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SW-Wall-10'
Date Sampled: 12/17/2009
Time Sampled: 14:20
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/20/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/20/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	110			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	98			%	70 - 135	
Surr3 - Toluene-d8	93			%	70 - 135	
Surr4 - p-Bromofluorobenzene	110			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/21/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/21/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/21/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/21/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/21/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/21/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/21/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/21/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/21/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/21/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/21/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/21/09	SD

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Order #: 1044826
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:20
Sampled By:

Client: Stratus Environmental
Client Sample ID: SW-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/21/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/21/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/21/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/21/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/21/09	SD
Anthracene	ND	1	300	ug/Kg	12/21/09	SD
Benzidine	ND	1	1500	ug/Kg	12/21/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/21/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/21/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Chrysene	ND	1	300	ug/Kg	12/21/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/21/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/21/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Fluorene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/21/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/21/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/21/09	SD
Isophorone	ND	1	300	ug/Kg	12/21/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/21/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/21/09	SD
Naphthalene	ND	1	300	ug/Kg	12/21/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/21/09	SD

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Order #: 1044826
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:20
Sampled By:

Client: Stratus Environmental
Client Sample ID: SW-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/21/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/21/09	SD
Phenol	ND	1	300	ug/Kg	12/21/09	SD
Pyrene	ND	1	300	ug/Kg	12/21/09	SD

Surrogates		Units	Control Limits
2,4,6-Tribromophenol (sur)	75	%	17 - 122
2-Fluorobiphenyl (sur)	56	%	30 - 115
2-Fluorophenol (sur)	52	%	25 - 121
Nitrobenzene-d5 (sur)	52	%	23 - 120
Phenol-d5 (sur)	54	%	24 - 113
Terphenyl-d14 (sur)	91	%	18 - 137

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Order #: 1044827
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:30
Sampled By:

Client: Stratus Environmental
Client Sample ID: SW-Wall-20'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	117	1	3	mg/Kg	12/21/09	AF
C22 - C36	110	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	152*			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/20/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/20/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/20/09	LZ
Acetone	ND	1	50	ug/Kg	12/20/09	LZ

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Order #: 1044827
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:30
Sampled By:

Client: Stratus Environmental
Client Sample ID: SW-Wall-20'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Benzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromoform	ND	1	5	ug/Kg	12/20/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/20/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/20/09	LZ
Chloroform	ND	1	5	ug/Kg	12/20/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/20/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/20/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/20/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/20/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/20/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/20/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/20/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/20/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Styrene	ND	1	5	ug/Kg	12/20/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Toluene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/20/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044827 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SW-Wall-20'
Date Sampled: 12/17/2009
Time Sampled: 14:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/20/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/20/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	110			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	99			%	70 - 135	
Surr3 - Toluene-d8	96			%	70 - 135	
Surr4 - p-Bromofluorobenzene	119			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/21/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/21/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/21/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/21/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/21/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/21/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/21/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/21/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/21/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/21/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/21/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/21/09	SD

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Order #: 1044827 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SW-Wall-20'
Date Sampled: 12/17/2009
Time Sampled: 14:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/21/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/21/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/21/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/21/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/21/09	SD
Anthracene	ND	1	300	ug/Kg	12/21/09	SD
Benzidine	ND	1	1500	ug/Kg	12/21/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/21/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/21/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Chrysene	ND	1	300	ug/Kg	12/21/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/21/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/21/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Fluorene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/21/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/21/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/21/09	SD
Isophorone	ND	1	300	ug/Kg	12/21/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/21/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/21/09	SD
Naphthalene	ND	1	300	ug/Kg	12/21/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/21/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044827
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:30
Sampled By:

Client: Stratus Environmental
Client Sample ID: SW-Wall-20'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/21/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/21/09	SD
Phenol	ND	1	300	ug/Kg	12/21/09	SD
Pyrene	ND	1	300	ug/Kg	12/21/09	SD

Surrogates		Units	Control Limits
2,4,6-Tribromophenol (sur)	88	%	17 - 122
2-Fluorobiphenyl (sur)	52	%	30 - 115
2-Fluorophenol (sur)	58	%	25 - 121
Nitrobenzene-d5 (sur)	52	%	23 - 120
Phenol-d5 (sur)	52	%	24 - 113
Terphenyl-d14 (sur)	98	%	18 - 137

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044828
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:40
Sampled By:

Client: Stratus Environmental
Client Sample ID: NW-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	ND	1	3	mg/Kg	12/21/09	AF
C22 - C36	ND	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	121			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/20/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/20/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/20/09	LZ
Acetone	ND	1	50	ug/Kg	12/20/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044828
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:40
Sampled By:

Client: Stratus Environmental
Client Sample ID: NW-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Benzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromoform	ND	1	5	ug/Kg	12/20/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/20/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/20/09	LZ
Chloroform	ND	1	5	ug/Kg	12/20/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/20/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/20/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/20/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/20/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/20/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/20/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/20/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/20/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Styrene	ND	1	5	ug/Kg	12/20/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Toluene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/20/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044828
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:40
Sampled By:

Client: Stratus Environmental
Client Sample ID: NW-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/20/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/20/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	109			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	100			%	70 - 135	
Surr3 - Toluene-d8	94			%	70 - 135	
Surr4 - p-Bromofluorobenzene	115			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/21/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/21/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/21/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/21/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/21/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/21/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/21/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/21/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/21/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/21/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/21/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/21/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044828
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:40
Sampled By:

Client: Stratus Environmental
Client Sample ID: NW-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/21/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/21/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/21/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/21/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/21/09	SD
Anthracene	ND	1	300	ug/Kg	12/21/09	SD
Benzidine	ND	1	1500	ug/Kg	12/21/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/21/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/21/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Chrysene	ND	1	300	ug/Kg	12/21/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/21/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/21/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Fluorene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/21/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/21/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/21/09	SD
Isophorone	ND	1	300	ug/Kg	12/21/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/21/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/21/09	SD
Naphthalene	ND	1	300	ug/Kg	12/21/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/21/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044828
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:40
Sampled By:

Client: Stratus Environmental
Client Sample ID: NW-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/21/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/21/09	SD
Phenol	ND	1	300	ug/Kg	12/21/09	SD
Pyrene	ND	1	300	ug/Kg	12/21/09	SD

Surrogates		Units	Control Limits
2,4,6-Tribromophenol (sur)	73	%	17 - 122
2-Fluorobiphenyl (sur)	53	%	30 - 115
2-Fluorophenol (sur)	60	%	25 - 121
Nitrobenzene-d5 (sur)	53	%	23 - 120
Phenol-d5 (sur)	56	%	24 - 113
Terphenyl-d14 (sur)	93	%	18 - 137

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044829
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:50
Sampled By:

Client: Stratus Environmental
Client Sample ID: NW-Wall-20'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	ND	1	3	mg/Kg	12/21/09	AF
C22 - C36	ND	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	74			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/20/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/20/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/20/09	LZ
Acetone	ND	1	50	ug/Kg	12/20/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044829 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NW-Wall-20'
Date Sampled: 12/17/2009
Time Sampled: 14:50
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Benzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromoform	ND	1	5	ug/Kg	12/20/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/20/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/20/09	LZ
Chloroform	ND	1	5	ug/Kg	12/20/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/20/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/20/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/20/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/20/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/20/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/20/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/20/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/20/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Styrene	ND	1	5	ug/Kg	12/20/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Toluene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/20/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044829
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:50
Sampled By:

Client: Stratus Environmental
Client Sample ID: NW-Wall-20'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/20/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/20/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	110			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	100			%	70 - 135	
Surr3 - Toluene-d8	95			%	70 - 135	
Surr4 - p-Bromofluorobenzene	115			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/21/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/21/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/21/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/21/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/21/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/21/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/21/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/21/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/21/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/21/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/21/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/21/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/21/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/21/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044829
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:50
Sampled By:

Client: Stratus Environmental
Client Sample ID: NW-Wall-20'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/21/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/21/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/21/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/21/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/21/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/21/09	SD
Anthracene	ND	1	300	ug/Kg	12/21/09	SD
Benzidine	ND	1	1500	ug/Kg	12/21/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/21/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/21/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/21/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/21/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Chrysene	ND	1	300	ug/Kg	12/21/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/21/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/21/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/21/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/21/09	SD
Fluorene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/21/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/21/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/21/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/21/09	SD
Isophorone	ND	1	300	ug/Kg	12/21/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/21/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/21/09	SD
Naphthalene	ND	1	300	ug/Kg	12/21/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/21/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044829
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 14:50
Sampled By:

Client: Stratus Environmental
Client Sample ID: NW-Wall-20'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/21/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/21/09	SD
Phenol	ND	1	300	ug/Kg	12/21/09	SD
Pyrene	ND	1	300	ug/Kg	12/21/09	SD

Surrogates		Units	Control Limits
2,4,6-Tribromophenol (sur)	78	%	17 - 122
2-Fluorobiphenyl (sur)	56	%	30 - 115
2-Fluorophenol (sur)	59	%	25 - 121
Nitrobenzene-d5 (sur)	55	%	23 - 120
Phenol-d5 (sur)	57	%	24 - 113
Terphenyl-d14 (sur)	98	%	18 - 137

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044830
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 15:10
Sampled By:

Client: Stratus Environmental
Client Sample ID: NE-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	ND	1	3	mg/Kg	12/21/09	AF
C22 - C36	ND	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	102			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/20/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/20/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/20/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/20/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/20/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/20/09	LZ
Acetone	ND	1	50	ug/Kg	12/20/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044830 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-Wall-10'
Date Sampled: 12/17/2009
Time Sampled: 15:10
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Benzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Bromoform	ND	1	5	ug/Kg	12/20/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/20/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/20/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/20/09	LZ
Chloroform	ND	1	5	ug/Kg	12/20/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/20/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/20/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/20/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/20/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/20/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/20/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/20/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/20/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/20/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/20/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/20/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Styrene	ND	1	5	ug/Kg	12/20/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/20/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Toluene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/20/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/20/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/20/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/20/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044830
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 15:10
Sampled By:

Client: Stratus Environmental
Client Sample ID: NE-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/20/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/20/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/20/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/20/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	109			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	99			%	70 - 135	
Surr3 - Toluene-d8	96			%	70 - 135	
Surr4 - p-Bromofluorobenzene	111			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/22/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/22/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044830
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 15:10
Sampled By:

Client: Stratus Environmental
Client Sample ID: NE-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/22/09	SD
Anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzidine	ND	1	1500	ug/Kg	12/22/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/22/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/22/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Chrysene	ND	1	300	ug/Kg	12/22/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/22/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Fluorene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/22/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Isophorone	ND	1	300	ug/Kg	12/22/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/22/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/22/09	SD
Naphthalene	ND	1	300	ug/Kg	12/22/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044830
Matrix: SOLID
Date Sampled: 12/17/2009
Time Sampled: 15:10
Sampled By:

Client: Stratus Environmental
Client Sample ID: NE-Wall-10'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/22/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/22/09	SD
Phenol	ND	1	300	ug/Kg	12/22/09	SD
Pyrene	ND	1	300	ug/Kg	12/22/09	SD

Surrogates		Units	Control Limits
2,4,6-Tribromophenol (sur)	77	%	17 - 122
2-Fluorobiphenyl (sur)	50	%	30 - 115
2-Fluorophenol (sur)	59	%	25 - 121
Nitrobenzene-d5 (sur)	46	%	23 - 120
Phenol-d5 (sur)	49	%	24 - 113
Terphenyl-d14 (sur)	97	%	18 - 137

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044831
Matrix: SOLID
Date Sampled:
Time Sampled:
Sampled By:

Client: Stratus Environmental
Client Sample ID: Laboratory Method Blank

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	ND	1	3	mg/Kg	12/21/09	AF
C22 - C36	ND	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	84			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/19/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/19/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/19/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/19/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/19/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/19/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/19/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/19/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/19/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/19/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/19/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/19/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/19/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/19/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/19/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/19/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/19/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/19/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/19/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/19/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/19/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/19/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/19/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/19/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/19/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/19/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/19/09	LZ
Acetone	ND	1	50	ug/Kg	12/19/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044831
Matrix: SOLID
Date Sampled:
Time Sampled:
Sampled By:

Client: Stratus Environmental
Client Sample ID: Laboratory Method Blank

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/19/09	LZ
Benzene	ND	1	5	ug/Kg	12/19/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/19/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/19/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/19/09	LZ
Bromoform	ND	1	5	ug/Kg	12/19/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/19/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/19/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/19/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/19/09	LZ
Chloroform	ND	1	5	ug/Kg	12/19/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/19/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/19/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/19/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/19/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/19/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/19/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/19/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/19/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/19/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/19/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/19/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/19/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/19/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/19/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/19/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/19/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/19/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/19/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/19/09	LZ
Styrene	ND	1	5	ug/Kg	12/19/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/19/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/19/09	LZ
Toluene	ND	1	5	ug/Kg	12/19/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/19/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/19/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/19/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/19/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/19/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044831
Matrix: SOLID
Date Sampled:
Time Sampled:
Sampled By:

Client: Stratus Environmental
Client Sample ID: Laboratory Method Blank

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/19/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/19/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/19/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/19/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/19/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/19/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	109			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	95			%	70 - 135	
Surr3 - Toluene-d8	96			%	70 - 135	
Surr4 - p-Bromofluorobenzene	113			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/20/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/20/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/20/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/20/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/20/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/20/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/20/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/20/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/20/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/20/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/20/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/20/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/20/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/20/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/20/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/20/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/20/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/20/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/20/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/20/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/20/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/20/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/20/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/20/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044831 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** Laboratory Method Blank
Date Sampled:
Time Sampled:
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/20/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/20/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/20/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/20/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/20/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/20/09	SD
Anthracene	ND	1	300	ug/Kg	12/20/09	SD
Benzidine	ND	1	1500	ug/Kg	12/20/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/20/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/20/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/20/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/20/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/20/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/20/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/20/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/20/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/20/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/20/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/20/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/20/09	SD
Chrysene	ND	1	300	ug/Kg	12/20/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/20/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/20/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/20/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/20/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/20/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/20/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/20/09	SD
Fluorene	ND	1	300	ug/Kg	12/20/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/20/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/20/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/20/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/20/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/20/09	SD
Isophorone	ND	1	300	ug/Kg	12/20/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/20/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/20/09	SD
Naphthalene	ND	1	300	ug/Kg	12/20/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/20/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

Method : EPA 8270 Preparative Method: EPA 3545

QC Sample: 246515-1044317

Matrix: SOLID

Date Analyzed : 12/20/2009

Batch Date: 12/18/2009 (8270-121809s)

Applies to: LR 246515, LR 246653, LR 246666 & LR 246690

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = µg/Kg

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
Phenol	ND	2500	1086	1208	43	48	11	52	18-115
2-Chorophenol	ND	2500	1092	1411	44	56	25	58	26-90
1,4-Dichlorobenzene	ND	2500	876	1429	35	57	48	81	13-93
N-Nitroso-di-*N*-propylamine	ND	2500	1405	1684	56	67	18	56	18-114
1,2,4-Trichlorobenzene	ND	2500	1154	1579	46	63	31	57	19-115
4-Chloro-3-methylphenol	ND	2500	1352	1381	54	55	2	34	29-115
Acenaphthene	ND	2500	1877	1957	75	78	4	50	17-114
4-Nitrophenol	ND	2500	1544	1937	62	77	23	45	3-115
2,4-Dinitrotoluene	ND	2500	2271	1982	91	79	14	30	40-115
Pentachlorophenol	ND	2500	1559	1690	62	68	8	41	0-146
Pyrene	ND	2500	2272	2362	91	94	4	37	26-141

** Outside Control Limits due to matrix interference*

ND = Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

% Rec-MS & MSD = Percent Recoveries from Matrix Spike & Matrix Spike Duplicate

LCS RECOVERY / METHOD BLANK

REPORTING UNITS = µg/Kg

Test	Spike Added	LCS Result	LCS % Rec	Limits % Rec
Phenol	2500	902	36	25-95
2-Chorophenol	2500	943	38	19-95
1,4-Dichlorobenzene	2500	1101	44	16-86
N-Nitroso-di-*N*-propylamine	2500	1132	45	17-108
1,2,4-Trichlorobenzene	2500	1186	47	15-96
4-Chloro-3-methylphenol	2500	1130	45	27-100
Acenaphthene	2500	1320	53	23-109
4-Nitrophenol	2500	1055	42	7-104
2,4-Dinitrotoluene	2500	1846	74	45-105
Pentachlorophenol	2500	908	36	11-107
Pyrene	2500	2185	87	45-130

Method Blank = All ND

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 7

Sample ID: *MS/MSD Solid Sample* 246378-782
Date Prepared: December 19, 2009
Date Analyzed: 12/19-12/20
Sample Matrix: Solid
Units: µg/Kg

Lab ID#'s in Batch: LR246378, 246574, 246666, 246653

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	53.60	52.50	107	105	2	22	59 - 172
MTBE	0.00	50.0	53.80	53.20	108	106	1	24	62 - 137
Benzene	0.00	50.0	55.10	53.40	110	107	3	24	62 - 137
Trichloroethene	0.00	50.0	49.60	47.80	99	96	4	21	66 - 142
Toluene	0.00	50.0	45.70	42.90	91	86	6	21	59 - 139
Chlorobenzene	0.00	50.0	47.20	44.80	94	90	5	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	53.90	108	59 - 172
MTBE	50.0	55.90	112	62 - 137
Benzene	50.0	57.80	116	62 - 137
Trichloroethene	50.0	49.80	100	66 - 142
Toluene	50.0	47.90	96	59 - 139
Chlorobenzene	50.0	49.00	98	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	109	110		112	112		109	70 - 135
1,2-Dichloroethane-d4	95	94		102	104		101	70 - 135
Toluene-d8	96	97		92	90		91	70 - 135
p-Bromofluorobenzene	113	112		107	104		106	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 7

Sample ID: *MS/MSD Solid Sample* 246722-072
Date Prepared: December 21, 2009
Date Analyzed: 12/21-12/22
Sample Matrix: Solid
Units: µg/Kg

Lab ID#'s in Batch: LR246377, 246722, 246765, 246468

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	50.20	52.70	100	105	5	22	59 - 172
MTBE	0.00	50.0	51.30	55.30	103	111	8	24	62 - 137
Benzene	0.00	50.0	52.10	55.20	104	110	6	24	62 - 137
Trichloroethene	0.00	50.0	46.30	47.90	93	96	3	21	66 - 142
Toluene	0.00	50.0	41.50	44.60	83	89	7	21	59 - 139
Chlorobenzene	0.00	50.0	43.10	44.70	86	89	4	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	54.00	108	59 - 172
MTBE	50.0	57.70	115	62 - 137
Benzene	50.0	57.30	115	62 - 137
Trichloroethene	50.0	50.30	101	66 - 142
Toluene	50.0	48.40	97	59 - 139
Chlorobenzene	50.0	50.50	101	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	111	108		114	114		113	70 - 135
1,2-Dichloroethane-d4	97	96		109	106		99	70 - 135
Toluene-d8	97	96		89	88		92	70 - 135
p-Bromofluorobenzene	108	111		112	112		112	70 - 135

Chain of Custody Record

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Company: STRATUS ENVIRONMENTAL — Phone: 714 230 2495
Project Manager: HENRY AMES — Fax: 714230 2496
Project Name: LOS VALLES DEVELOPMENT — Project #:
Site Name and Address: 28909 HASLEY CANYON RD, SANTA CLARITA

A.L. Job No.: — Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	8015M CARBON CHAIN TPH	8260B VOCs	8270C SVOCs							Test Instructions & Comments
1	SE-WALL-10'		12/17/2009	1400	SOIL	6	NA	X	X	X							
2	SE-WALL-20'		12/17/2009	1410	SOIL	6	NA	X	X	X							
3	SW-WALL-10'		12/17/2009	1420	SOIL	6	NA	X	X	X							
4	SW-WALL-20'		12/17/2009	1430	SOIL	6	NA	X	X	X							
5	NW-WALL-10'		12/17/2009	1440	SOIL	6	NA	X	X	X							
6	NW-WALL-20'		12/17/2009	1450	SOIL	6	NA	X	X	X							
7	NE-WALL-10'		12/17/2009	1510	SOIL	6	NA	X	X	X							
8	NOTHING TO FOLLOW																
9																	
10																	
11																	
12																	
13																	
14																	
15																	

SK 12 17 2009

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☐ Normal ☒ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☒ 72 hrs.

12/17/09 1015

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: STEPHEN KALINA	Signature:	Signature:
Printed Name: STEPHEN KALINA	Printed Name:	Printed Name:
Date: 12/17/2009 Time: 1915	Date: 12/18/09 Time: 1715	Date: Time:
Received By: 1.	Received By: 2.	Received By: 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 12/18/09 Time: 1001	Date: 12-18-09 Time: 1430	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Stratus
Project: _____
Date Received: 12-18-09
Sampler's Name: (Yes) No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other _____
Cooler or box temperature: 2.0C
(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	X		
Is it properly completed? (IDs, sampling date and time, signature, test)	X		
Were custody seals present?		X	
If Yes – were they intact?			X
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?			X
Were the containers labeled with correct preservatives?			X
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / (N) N/A

Completed By: M. Eckert Date: 12-18-09

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Stratus Environmental (10930)
ATTN: Henry Ames
5412 Bolsa Avenue
Suite G
Huntington Beach, CA 92649

LAB REQUEST 246690
REPORTED 12/23/2009
RECEIVED 12/18/2009

PROJECT Los Valles Development

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1044909	SW-WALL-30'
1044910	SW-WALL-40'
1044911	SE-WALL-30'
1044912	SE-WALL-40'
1044913	NW-WALL-30'
1044914	NW-WALL-40'
1044915	NE-WALL-20'
1044916	NE-WALL-40'
1044917	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1044909 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SW-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 10:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	ND	1	3	mg/Kg	12/21/09	AF
C22 - C36	ND	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	115			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/22/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/22/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/22/09	LZ
Acetone	ND	1	50	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044909 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SW-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 10:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Benzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromoform	ND	1	5	ug/Kg	12/22/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/22/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/22/09	LZ
Chloroform	ND	1	5	ug/Kg	12/22/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/22/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/22/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/22/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/22/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/22/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/22/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/22/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/22/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Styrene	ND	1	5	ug/Kg	12/22/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Toluene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

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Matrix: SOLID **Client Sample ID:** SW-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 10:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/22/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/22/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	115			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	103			%	70 - 135	
Surr3 - Toluene-d8	92			%	70 - 135	
Surr4 - p-Bromofluorobenzene	103			%	70 - 135	

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/22/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/22/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

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Client: Stratus Environmental
Matrix: SOLID
Client Sample ID: SW-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 10:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/22/09	SD
Anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzidine	ND	1	1500	ug/Kg	12/22/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/22/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/22/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Chrysene	ND	1	300	ug/Kg	12/22/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/22/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Fluorene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/22/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Isophorone	ND	1	300	ug/Kg	12/22/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/22/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/22/09	SD
Naphthalene	ND	1	300	ug/Kg	12/22/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/22/09	SD

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Order #: 1044909 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SW-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 10:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/22/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/22/09	SD
Phenol	ND	1	300	ug/Kg	12/22/09	SD
Pyrene	ND	1	300	ug/Kg	12/22/09	SD
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	79			%	17 - 122	
2-Fluorobiphenyl (sur)	54			%	30 - 115	
2-Fluorophenol (sur)	62			%	25 - 121	
Nitrobenzene-d5 (sur)	54			%	23 - 120	
Phenol-d5 (sur)	54			%	24 - 113	
Terphenyl-d14 (sur)	95			%	18 - 137	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044910 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SW-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 10:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	ND	1	3	mg/Kg	12/21/09	AF
C22 - C36	ND	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	98			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/22/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/22/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/22/09	LZ
Acetone	ND	1	50	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044910 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SW-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 10:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Benzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromoform	ND	1	5	ug/Kg	12/22/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/22/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/22/09	LZ
Chloroform	ND	1	5	ug/Kg	12/22/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/22/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/22/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/22/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/22/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/22/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/22/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/22/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/22/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Styrene	ND	1	5	ug/Kg	12/22/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Toluene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

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Matrix: SOLID **Client Sample ID:** SW-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 10:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/22/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/22/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	112			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	102			%	70 - 135	
Surr3 - Toluene-d8	94			%	70 - 135	
Surr4 - p-Bromofluorobenzene	100			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/22/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/22/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044910 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SW-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 10:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/22/09	SD
Anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzidine	ND	1	1500	ug/Kg	12/22/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/22/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/22/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Chrysene	ND	1	300	ug/Kg	12/22/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/22/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Fluorene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/22/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Isophorone	ND	1	300	ug/Kg	12/22/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/22/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/22/09	SD
Naphthalene	ND	1	300	ug/Kg	12/22/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044910
Matrix: SOLID
Date Sampled: 12/18/2009
Time Sampled: 10:00
Sampled By:

Client: Stratus Environmental
Client Sample ID: SW-WALL-40'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/22/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/22/09	SD
Phenol	ND	1	300	ug/Kg	12/22/09	SD
Pyrene	ND	1	300	ug/Kg	12/22/09	SD
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	80			%	17 - 122	
2-Fluorobiphenyl (sur)	56			%	30 - 115	
2-Fluorophenol (sur)	60			%	25 - 121	
Nitrobenzene-d5 (sur)	55			%	23 - 120	
Phenol-d5 (sur)	53			%	24 - 113	
Terphenyl-d14 (sur)	94			%	18 - 137	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044911 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 10:40
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	ND	1	3	mg/Kg	12/21/09	AF
C22 - C36	ND	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	104			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/22/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/22/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/22/09	LZ
Acetone	ND	1	50	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044911 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 10:40
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Benzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromoform	ND	1	5	ug/Kg	12/22/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/22/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/22/09	LZ
Chloroform	ND	1	5	ug/Kg	12/22/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/22/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/22/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/22/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/22/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/22/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/22/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/22/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/22/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Styrene	ND	1	5	ug/Kg	12/22/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Toluene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044911 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 10:40
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/22/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/22/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	112			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	101			%	70 - 135	
Surr3 - Toluene-d8	92			%	70 - 135	
Surr4 - p-Bromofluorobenzene	91			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/22/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/22/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044911 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 10:40
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/22/09	SD
Anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzidine	ND	1	1500	ug/Kg	12/22/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/22/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/22/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Chrysene	ND	1	300	ug/Kg	12/22/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/22/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Fluorene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/22/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Isophorone	ND	1	300	ug/Kg	12/22/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/22/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/22/09	SD
Naphthalene	ND	1	300	ug/Kg	12/22/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044911 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 10:40
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/22/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/22/09	SD
Phenol	ND	1	300	ug/Kg	12/22/09	SD
Pyrene	ND	1	300	ug/Kg	12/22/09	SD
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	85			%	17 - 122	
2-Fluorobiphenyl (sur)	58			%	30 - 115	
2-Fluorophenol (sur)	56			%	25 - 121	
Nitrobenzene-d5 (sur)	54			%	23 - 120	
Phenol-d5 (sur)	50			%	24 - 113	
Terphenyl-d14 (sur)	96			%	18 - 137	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044912 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:10
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	ND	1	3	mg/Kg	12/21/09	AF
C22 - C36	ND	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	117			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/22/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/22/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/22/09	LZ
Acetone	ND	1	50	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044912 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:10
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Benzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromoform	ND	1	5	ug/Kg	12/22/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/22/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/22/09	LZ
Chloroform	ND	1	5	ug/Kg	12/22/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/22/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/22/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/22/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/22/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/22/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/22/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/22/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/22/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Styrene	ND	1	5	ug/Kg	12/22/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Toluene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044912 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:10
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/22/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/22/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	111			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	104			%	70 - 135	
Surr3 - Toluene-d8	92			%	70 - 135	
Surr4 - p-Bromofluorobenzene	94			%	70 - 135	

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/22/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/22/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044912 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:10
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/22/09	SD
Anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzidine	ND	1	1500	ug/Kg	12/22/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/22/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/22/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Chrysene	ND	1	300	ug/Kg	12/22/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/22/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Fluorene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/22/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Isophorone	ND	1	300	ug/Kg	12/22/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/22/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/22/09	SD
Naphthalene	ND	1	300	ug/Kg	12/22/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044912 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SE-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:10
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/22/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/22/09	SD
Phenol	ND	1	300	ug/Kg	12/22/09	SD
Pyrene	ND	1	300	ug/Kg	12/22/09	SD
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	75			%	17 - 122	
2-Fluorobiphenyl (sur)	55			%	30 - 115	
2-Fluorophenol (sur)	58			%	25 - 121	
Nitrobenzene-d5 (sur)	52			%	23 - 120	
Phenol-d5 (sur)	52			%	24 - 113	
Terphenyl-d14 (sur)	94			%	18 - 137	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044913 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NW-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 11:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/22/09	AF
C10 - C22	ND	1	3	mg/Kg	12/22/09	AF
C22 - C36	ND	1	5	mg/Kg	12/22/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	71			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/22/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/22/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/22/09	LZ
Acetone	ND	1	50	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044913 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NW-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 11:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Benzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromoform	ND	1	5	ug/Kg	12/22/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/22/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/22/09	LZ
Chloroform	ND	1	5	ug/Kg	12/22/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/22/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/22/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/22/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/22/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/22/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/22/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/22/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/22/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Styrene	ND	1	5	ug/Kg	12/22/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Toluene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044913 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NW-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 11:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/22/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/22/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	113			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	98			%	70 - 135	
Surr3 - Toluene-d8	93			%	70 - 135	
Surr4 - p-Bromofluorobenzene	121			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/22/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/22/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044913 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NW-WALL-30'
Date Sampled: 12/18/2009
Time Sampled: 11:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/22/09	SD
Anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzidine	ND	1	1500	ug/Kg	12/22/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/22/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/22/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Chrysene	ND	1	300	ug/Kg	12/22/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/22/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Fluorene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/22/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Isophorone	ND	1	300	ug/Kg	12/22/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/22/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/22/09	SD
Naphthalene	ND	1	300	ug/Kg	12/22/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044913 **Client:** Stratus Environmental

Matrix: SOLID **Client Sample ID:** NW-WALL-30'

Date Sampled: 12/18/2009

Time Sampled: 11:00

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/22/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/22/09	SD
Phenol	ND	1	300	ug/Kg	12/22/09	SD
Pyrene	ND	1	300	ug/Kg	12/22/09	SD
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	73			%	17 - 122	
2-Fluorobiphenyl (sur)	50			%	30 - 115	
2-Fluorophenol (sur)	57			%	25 - 121	
Nitrobenzene-d5 (sur)	51			%	23 - 120	
Phenol-d5 (sur)	52			%	24 - 113	
Terphenyl-d14 (sur)	94			%	18 - 137	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044914 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NW-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:20
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	ND	1	3	mg/Kg	12/21/09	AF
C22 - C36	ND	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	93			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/22/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/22/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/22/09	LZ
Acetone	ND	1	50	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044914 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NW-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:20
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Benzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromoform	ND	1	5	ug/Kg	12/22/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/22/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/22/09	LZ
Chloroform	ND	1	5	ug/Kg	12/22/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/22/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/22/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/22/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/22/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/22/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/22/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/22/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/22/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Styrene	ND	1	5	ug/Kg	12/22/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Toluene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044914 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NW-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:20
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/22/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/22/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	112			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	100			%	70 - 135	
Surr3 - Toluene-d8	92			%	70 - 135	
Surr4 - p-Bromofluorobenzene	103			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/22/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/22/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044914 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NW-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:20
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/22/09	SD
Anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzidine	ND	1	1500	ug/Kg	12/22/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/22/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/22/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Chrysene	ND	1	300	ug/Kg	12/22/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/22/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Fluorene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/22/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Isophorone	ND	1	300	ug/Kg	12/22/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/22/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/22/09	SD
Naphthalene	ND	1	300	ug/Kg	12/22/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044914 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NW-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:20
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/22/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/22/09	SD
Phenol	ND	1	300	ug/Kg	12/22/09	SD
Pyrene	ND	1	300	ug/Kg	12/22/09	SD
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	76			%	17 - 122	
2-Fluorobiphenyl (sur)	52			%	30 - 115	
2-Fluorophenol (sur)	60			%	25 - 121	
Nitrobenzene-d5 (sur)	57			%	23 - 120	
Phenol-d5 (sur)	57			%	24 - 113	
Terphenyl-d14 (sur)	93			%	18 - 137	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044915 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-WALL-20'
Date Sampled: 12/18/2009
Time Sampled: 12:15
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/22/09	AF
C10 - C22	ND	1	3	mg/Kg	12/22/09	AF
C22 - C36	ND	1	5	mg/Kg	12/22/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	80			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/22/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/22/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/22/09	LZ
Acetone	ND	1	50	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044915 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-WALL-20'
Date Sampled: 12/18/2009
Time Sampled: 12:15
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Benzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromoform	ND	1	5	ug/Kg	12/22/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/22/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/22/09	LZ
Chloroform	ND	1	5	ug/Kg	12/22/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/22/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/22/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/22/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/22/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/22/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/22/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/22/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/22/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Styrene	ND	1	5	ug/Kg	12/22/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Toluene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044915 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-WALL-20'
Date Sampled: 12/18/2009
Time Sampled: 12:15
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/22/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/22/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	112			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	99			%	70 - 135	
Surr3 - Toluene-d8	95			%	70 - 135	
Surr4 - p-Bromofluorobenzene	114			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/22/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/22/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044915 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-WALL-20'
Date Sampled: 12/18/2009
Time Sampled: 12:15
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/22/09	SD
Anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzidine	ND	1	1500	ug/Kg	12/22/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/22/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/22/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Chrysene	ND	1	300	ug/Kg	12/22/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/22/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Fluorene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/22/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Isophorone	ND	1	300	ug/Kg	12/22/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/22/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/22/09	SD
Naphthalene	ND	1	300	ug/Kg	12/22/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044915 **Client:** Stratus Environmental

Matrix: SOLID **Client Sample ID:** NE-WALL-20'

Date Sampled: 12/18/2009

Time Sampled: 12:15

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/22/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/22/09	SD
Phenol	ND	1	300	ug/Kg	12/22/09	SD
Pyrene	ND	1	300	ug/Kg	12/22/09	SD
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	70			%	17 - 122	
2-Fluorobiphenyl (sur)	50			%	30 - 115	
2-Fluorophenol (sur)	53			%	25 - 121	
Nitrobenzene-d5 (sur)	47			%	23 - 120	
Phenol-d5 (sur)	51			%	24 - 113	
Terphenyl-d14 (sur)	91			%	18 - 137	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044916 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/22/09	AF
C10 - C22	ND	1	3	mg/Kg	12/22/09	AF
C22 - C36	ND	1	5	mg/Kg	12/22/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	139			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/23/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/23/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/23/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/23/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/23/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/23/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/23/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/23/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/23/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/23/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/23/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/23/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/23/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/23/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/23/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/23/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/23/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/23/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/23/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/23/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/23/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/23/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/23/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/23/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/23/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/23/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/23/09	LZ
Acetone	ND	1	50	ug/Kg	12/23/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044916 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/23/09	LZ
Benzene	ND	1	5	ug/Kg	12/23/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/23/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/23/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/23/09	LZ
Bromoform	ND	1	5	ug/Kg	12/23/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/23/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/23/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/23/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/23/09	LZ
Chloroform	ND	1	5	ug/Kg	12/23/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/23/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/23/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/23/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/23/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/23/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/23/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/23/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/23/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/23/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/23/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/23/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/23/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/23/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/23/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/23/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/23/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/23/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/23/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/23/09	LZ
Styrene	ND	1	5	ug/Kg	12/23/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/23/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/23/09	LZ
Toluene	ND	1	5	ug/Kg	12/23/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/23/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/23/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/23/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/23/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/23/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044916 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/23/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/23/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/23/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/23/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/23/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/23/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	112			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	102			%	70 - 135	
Surr3 - Toluene-d8	90			%	70 - 135	
Surr4 - p-Bromofluorobenzene	108			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/22/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/22/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/22/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/22/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/22/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/22/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/22/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044916 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/22/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/22/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/22/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/22/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/22/09	SD
Anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzidine	ND	1	1500	ug/Kg	12/22/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/22/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/22/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/22/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/22/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Chrysene	ND	1	300	ug/Kg	12/22/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/22/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/22/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/22/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/22/09	SD
Fluorene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/22/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/22/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/22/09	SD
Isophorone	ND	1	300	ug/Kg	12/22/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/22/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/22/09	SD
Naphthalene	ND	1	300	ug/Kg	12/22/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/22/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044916 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-WALL-40'
Date Sampled: 12/18/2009
Time Sampled: 11:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	12/22/09	SD
Phenanthrene	ND	1	300	ug/Kg	12/22/09	SD
Phenol	ND	1	300	ug/Kg	12/22/09	SD
Pyrene	ND	1	300	ug/Kg	12/22/09	SD
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	78			%	17 - 122	
2-Fluorobiphenyl (sur)	55			%	30 - 115	
2-Fluorophenol (sur)	54			%	25 - 121	
Nitrobenzene-d5 (sur)	57			%	23 - 120	
Phenol-d5 (sur)	56			%	24 - 113	
Terphenyl-d14 (sur)	94			%	18 - 137	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044917 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** Laboratory Method Blank
Date Sampled:
Time Sampled:
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	12/21/09	AF
C10 - C22	ND	1	3	mg/Kg	12/21/09	AF
C22 - C36	ND	1	5	mg/Kg	12/21/09	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	84			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	12/22/09	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	12/22/09	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	12/22/09	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	12/22/09	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	12/22/09	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	12/22/09	LZ
Acetone	ND	1	50	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044917 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** Laboratory Method Blank
Date Sampled:
Time Sampled:
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Benzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Bromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromodichloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Bromoform	ND	1	5	ug/Kg	12/22/09	LZ
Bromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	12/22/09	LZ
Chlorobenzene	ND	1	5	ug/Kg	12/22/09	LZ
Chloroethane	ND	1	5	ug/Kg	12/22/09	LZ
Chloroform	ND	1	5	ug/Kg	12/22/09	LZ
Chloromethane	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Dibromochloromethane	ND	1	5	ug/Kg	12/22/09	LZ
Dibromomethane	ND	1	5	ug/Kg	12/22/09	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	12/22/09	LZ
Ethyl benzene	ND	1	5	ug/Kg	12/22/09	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	12/22/09	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	12/22/09	LZ
m and p-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	12/22/09	LZ
Methylene chloride	ND	1	5	ug/Kg	12/22/09	LZ
n-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
n-Propylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Naphthalene	ND	1	5	ug/Kg	12/22/09	LZ
o-Xylene	ND	1	5	ug/Kg	12/22/09	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	12/22/09	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Styrene	ND	1	5	ug/Kg	12/22/09	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	12/22/09	LZ
Tetrachloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Toluene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	12/22/09	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	12/22/09	LZ
Trichloroethene	ND	1	5	ug/Kg	12/22/09	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	12/22/09	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044917 **Client:** Stratus Environmental

Matrix: SOLID **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	12/22/09	LZ
Xylenes, total	ND	1	5	ug/Kg	12/22/09	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	12/22/09	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	12/22/09	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	109			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	96			%	70 - 135	
Surr3 - Toluene-d8	93			%	70 - 135	
Surr4 - p-Bromofluorobenzene	102			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	12/20/09	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	12/20/09	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	12/20/09	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	12/20/09	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	12/20/09	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	12/20/09	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	12/20/09	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	12/20/09	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	12/20/09	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	12/20/09	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	12/20/09	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	12/20/09	SD
2-Chlorophenol	ND	1	300	ug/Kg	12/20/09	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	12/20/09	SD
2-Methylphenol	ND	1	300	ug/Kg	12/20/09	SD
2-Nitroaniline	ND	1	300	ug/Kg	12/20/09	SD
2-Nitrophenol	ND	1	300	ug/Kg	12/20/09	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	12/20/09	SD
3-Methylphenol	ND	1	500	ug/Kg	12/20/09	SD
3-Nitroaniline	ND	1	300	ug/Kg	12/20/09	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	12/20/09	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	12/20/09	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	12/20/09	SD
4-Chloroaniline	ND	1	300	ug/Kg	12/20/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044917 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** Laboratory Method Blank
Date Sampled:
Time Sampled:
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	12/20/09	SD
4-Methylphenol	ND	1	500	ug/Kg	12/20/09	SD
4-Nitroaniline	ND	1	300	ug/Kg	12/20/09	SD
4-Nitrophenol	ND	1	300	ug/Kg	12/20/09	SD
Acenaphthene	ND	1	300	ug/Kg	12/20/09	SD
Acenaphthylene	ND	1	300	ug/Kg	12/20/09	SD
Anthracene	ND	1	300	ug/Kg	12/20/09	SD
Benzidine	ND	1	1500	ug/Kg	12/20/09	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	12/20/09	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	12/20/09	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	12/20/09	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	12/20/09	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	12/20/09	SD
Benzoic Acid	ND	1	300	ug/Kg	12/20/09	SD
Benzyl alcohol	ND	1	300	ug/Kg	12/20/09	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	12/20/09	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	12/20/09	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	12/20/09	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	12/20/09	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	12/20/09	SD
Chrysene	ND	1	300	ug/Kg	12/20/09	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	12/20/09	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	12/20/09	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	12/20/09	SD
Dibenzofuran	ND	1	300	ug/Kg	12/20/09	SD
Diethylphthalate	ND	1	300	ug/Kg	12/20/09	SD
Dimethylphthalate	ND	1	300	ug/Kg	12/20/09	SD
Fluoranthene	ND	1	300	ug/Kg	12/20/09	SD
Fluorene	ND	1	300	ug/Kg	12/20/09	SD
Hexachlorobenzene	ND	1	300	ug/Kg	12/20/09	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	12/20/09	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	12/20/09	SD
Hexachloroethane	ND	1	300	ug/Kg	12/20/09	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	12/20/09	SD
Isophorone	ND	1	300	ug/Kg	12/20/09	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	12/20/09	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	12/20/09	SD
Naphthalene	ND	1	300	ug/Kg	12/20/09	SD
Nitrobenzene	ND	1	300	ug/Kg	12/20/09	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1044917 **Client:** Stratus Environmental

Matrix: SOLID **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
8270C Acid/Base/Neutral Extractables					
Pentachlorophenol	ND	1	300	ug/Kg	12/20/09 SD
Phenanthrene	ND	1	300	ug/Kg	12/20/09 SD
Phenol	ND	1	300	ug/Kg	12/20/09 SD
Pyrene	ND	1	300	ug/Kg	12/20/09 SD
Surrogates				**Units**	**Control Limits**
2,4,6-Tribromophenol (sur)	61			%	17 - 122
2-Fluorobiphenyl (sur)	53			%	30 - 115
2-Fluorophenol (sur)	53			%	25 - 121
Nitrobenzene-d5 (sur)	55			%	23 - 120
Phenol-d5 (sur)	59			%	24 - 113
Terphenyl-d14 (sur)	91			%	18 - 137

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 7

Sample ID: *MS/MSD Solid Sample* 246696-011
Date Prepared: December 22, 2009
Date Analyzed: 12/22-12/23
Sample Matrix: Solid
Units: µg/Kg

Lab ID#'s in Batch: LR246755, 246690, 246773, 246696

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	51.50	54.50	103	109	6	22	59 - 172
MTBE	0.00	50.0	55.60	58.30	111	117	5	24	62 - 137
Benzene	0.00	50.0	54.30	56.40	109	113	4	24	62 - 137
Trichloroethene	0.00	50.0	48.30	50.40	97	101	4	21	66 - 142
Toluene	0.00	50.0	44.20	45.40	88	91	3	21	59 - 139
Chlorobenzene	0.00	50.0	43.40	44.10	87	88	2	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	52.20	104	59 - 172
MTBE	50.0	52.40	105	62 - 137
Benzene	50.0	55.40	111	62 - 137
Trichloroethene	50.0	50.40	101	66 - 142
Toluene	50.0	46.70	93	59 - 139
Chlorobenzene	50.0	47.60	95	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	109	109		112	113		109	70 - 135
1,2-Dichloroethane-d4	96	98		103	102		96	70 - 135
Toluene-d8	93	94		90	89		92	70 - 135
p-Bromofluorobenzene	102	111		101	114		104	70 - 135

ASSOCIATED LABORATORIES
QA REPORT FORM

Method : EPA 8270 Preparative Method: EPA 3545

QC Sample: 246515-1044317

Matrix: SOLID

Date Analyzed : 12/20/2009

Batch Date: 12/18/2009 (8270-121809s)

Applies to: LR 246515, LR 246653, LR 246666 & LR 246690

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = µg/Kg

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
Phenol	ND	2500	1086	1208	43	48	11	52	18-115
2-Chorophenol	ND	2500	1092	1411	44	56	25	58	26-90
1,4-Dichlorobenzene	ND	2500	876	1429	35	57	48	81	13-93
N-Nitroso-di-*N*-propylamine	ND	2500	1405	1684	56	67	18	56	18-114
1,2,4-Trichlorobenzene	ND	2500	1154	1579	46	63	31	57	19-115
4-Chloro-3-methylphenol	ND	2500	1352	1381	54	55	2	34	29-115
Acenaphthene	ND	2500	1877	1957	75	78	4	50	17-114
4-Nitrophenol	ND	2500	1544	1937	62	77	23	45	3-115
2,4-Dinitrotoluene	ND	2500	2271	1982	91	79	14	30	40-115
Pentachlorophenol	ND	2500	1559	1690	62	68	8	41	0-146
Pyrene	ND	2500	2272	2362	91	94	4	37	26-141

** Outside Control Limits due to matrix interference*

ND = Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

% Rec-MS & MSD = Percent Recoveries from Matrix Spike & Matrix Spike Duplicate

LCS RECOVERY / METHOD BLANK

REPORTING UNITS = µg/Kg

Test	Spike Added	LCS Result	LCS % Rec	Limits % Rec
Phenol	2500	902	36	25-95
2-Chorophenol	2500	943	38	19-95
1,4-Dichlorobenzene	2500	1101	44	16-86
N-Nitroso-di-*N*-propylamine	2500	1132	45	17-108
1,2,4-Trichlorobenzene	2500	1186	47	15-96
4-Chloro-3-methylphenol	2500	1130	45	27-100
Acenaphthene	2500	1320	53	23-109
4-Nitrophenol	2500	1055	42	7-104
2,4-Dinitrotoluene	2500	1846	74	45-105
Pentachlorophenol	2500	908	36	11-107
Pyrene	2500	2185	87	45-130

Method Blank = All ND

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 246690-914-ms,msd

Matrix: SOLID

Extraction Method 3545

Prep. Date: December 21, 2009

Analysis Date: December 21, 2009

Lab ID#'s in Batch: 246670, 246722, 246653, 246666, 246690

Reporting Units = mg/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
DIESEL	8015D	ND	25.00	19.00	18.00	76	72	5	30	70-130

* = Outside QC Limits

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Test	Method	Method Blank	Spike Added	LCS Spike	%Rec LCS	QC Limits RPD	QC Limits %REC
DIESEL	8015D	ND	25.00	21.00	84	30	70-130

SURROGATE RECOVERY

Sample No.	n-triacontane-d62
QC Limit	60-140
MS	95
MSD	136
Method Blank	84
LCS	96

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

A.L. Job No. 246690

Company: STRATUS ENVIRONMENTAL
Phone: 714 230 2495
Project Manager: HENRY AMES
Fax: 714 230 2496
Project Name: LOS VALLES DEVELOPMENT
Project #:
Site Name and Address: HASLEY CANYON RD, SANTA CLARITA

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	8015M TPH CARBON CHAIN	8260B VOCs	8270C SVOCs								Test Instructions & Comments
1	SW-WALL-30'		12/18/2009	1030	SOIL	6	NA	X	X	X								
2	SW-WALL-40		12/18/2009	1000	SOIL	6	NA	X	X	X								
3	SE-WALL-30'		12/18/2009	1040	SOIL	6	NA	X	X	X								
4	SE-WALL-40'		12/18/2009	1110	SOIL	6	NA	X	X	X								
5	NW-WALL-30'		12/18/2009	1100	SOIL	6	NA	X	X	X								
6	NW-WALL-40'		12/18/2009	1120	SOIL	8	NA	X	X	X								
7	NE-WALL-20'		12/18/2009	1215	SOIL	8	NA	X	X	X								
8	NE-WALL-40'		12/18/2009	1130	SOIL	8	NA	X	X	X								
9																		
10																		
11																		
12																		
13																		
14																		
15																		

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☐ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☑ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: STEPHEN KALINA	Signature:	Signature:
Printed Name: STEPHEN KALINA	Printed Name:	Printed Name:
Date: 12/18/2009 Time: 1545	Date: Time:	Date: Time:
Received By: 1. ASL	**Received By: 2.**	**Received By: 3.**
Signature:	Signature:	Signature:
Printed Name: Juan Madrid	Printed Name:	Printed Name:
Date: 12-18-09 Time: 1515:52	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Stratus
Project: Los Valles Re Velopment
Date Received: 12-18-09
Sampler's Name: Yes No
Sample(s) received in cooler: Yes No (Skip Section 2)
Shipping Information:

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other ___
Cooler or box temperature: 5.0°C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓		
Were custody seals present?		✓	
If Yes – were they intact?			
Were all samples sealed in plastic bags?		✓	
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there headspace in VOA vials?			✓
Were the containers labeled with correct preservatives?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N N/A

Completed By: [signature] Date: 12-18-09

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Stratus Environmental (10930)
ATTN: Henry Ames
5412 Bolsa Avenue
Suite G
Huntington Beach, CA 92649

LAB REQUEST 249014
REPORTED 02/08/2010
RECEIVED 02/02/2010

PROJECT Los Valles Development

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1054620	SW-Wall-20'
1054621	NE-Wall-30'
1054622	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1054620
Matrix: SOLID
Date Sampled: 02/02/2010
Time Sampled: 09:00
Sampled By:

Client: Stratus Environmental
Client Sample ID: SW-Wall-20'

Analyte	Result	DF	DLR	Units	Date/Analyst
8015B Carbon Chain I					
C06 - C10	ND	1	3	mg/Kg	02/03/10 AF
C10 - C22	ND	1	3	mg/Kg	02/03/10 AF
C22 - C36	ND	1	5	mg/Kg	02/03/10 AF
Surrogates				**Units**	**Control Limits**
Triacontane (Sur)	66			%	60 - 140

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1054621
Matrix: SOLID
Date Sampled: 02/02/2010
Time Sampled: 10:30
Sampled By:

Client: Stratus Environmental
Client Sample ID: NE-Wall-30'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	02/03/10	AF
C10 - C22	ND	1	3	mg/Kg	02/03/10	AF
C22 - C36	ND	1	5	mg/Kg	02/03/10	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	86			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	02/03/10	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	02/03/10	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	02/03/10	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	02/03/10	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	02/03/10	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	02/03/10	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	02/03/10	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	02/03/10	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	02/03/10	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	02/03/10	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	02/03/10	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	02/03/10	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	02/03/10	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	02/03/10	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	02/03/10	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	02/03/10	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	02/03/10	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	02/03/10	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	02/03/10	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	02/03/10	LZ
Acetone	ND	1	50	ug/Kg	02/03/10	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1054621 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-Wall-30'
Date Sampled: 02/02/2010
Time Sampled: 10:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	02/03/10	LZ
Benzene	ND	1	5	ug/Kg	02/03/10	LZ
Bromobenzene	ND	1	5	ug/Kg	02/03/10	LZ
Bromochloromethane	ND	1	5	ug/Kg	02/03/10	LZ
Bromodichloromethane	ND	1	5	ug/Kg	02/03/10	LZ
Bromoform	ND	1	5	ug/Kg	02/03/10	LZ
Bromomethane	ND	1	5	ug/Kg	02/03/10	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	02/03/10	LZ
Chlorobenzene	ND	1	5	ug/Kg	02/03/10	LZ
Chloroethane	ND	1	5	ug/Kg	02/03/10	LZ
Chloroform	ND	1	5	ug/Kg	02/03/10	LZ
Chloromethane	ND	1	5	ug/Kg	02/03/10	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	02/03/10	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	02/03/10	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/03/10	LZ
Dibromochloromethane	ND	1	5	ug/Kg	02/03/10	LZ
Dibromomethane	ND	1	5	ug/Kg	02/03/10	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	02/03/10	LZ
Ethyl benzene	ND	1	5	ug/Kg	02/03/10	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	02/03/10	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	02/03/10	LZ
m and p-Xylene	ND	1	5	ug/Kg	02/03/10	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	02/03/10	LZ
Methylene chloride	ND	1	5	ug/Kg	02/03/10	LZ
n-Butylbenzene	ND	1	5	ug/Kg	02/03/10	LZ
n-Propylbenzene	ND	1	5	ug/Kg	02/03/10	LZ
Naphthalene	ND	1	5	ug/Kg	02/03/10	LZ
o-Xylene	ND	1	5	ug/Kg	02/03/10	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	02/03/10	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	02/03/10	LZ
Styrene	ND	1	5	ug/Kg	02/03/10	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	02/03/10	LZ
Tetrachloroethene	ND	1	5	ug/Kg	02/03/10	LZ
Toluene	ND	1	5	ug/Kg	02/03/10	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	02/03/10	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	02/03/10	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/03/10	LZ
Trichloroethene	ND	1	5	ug/Kg	02/03/10	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	02/03/10	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1054621 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-Wall-30'
Date Sampled: 02/02/2010
Time Sampled: 10:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	02/03/10	LZ
Xylenes, total	ND	1	5	ug/Kg	02/03/10	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	02/03/10	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	02/03/10	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	02/03/10	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	02/03/10	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	97			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	121			%	70 - 135	
Surr3 - Toluene-d8	99			%	70 - 135	
Surr4 - p-Bromofluorobenzene	100			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	02/04/10	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	02/04/10	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	02/04/10	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	02/04/10	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	02/04/10	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	02/04/10	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	02/04/10	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	02/04/10	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	02/04/10	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	02/04/10	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	02/04/10	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	02/04/10	SD
2-Chlorophenol	ND	1	300	ug/Kg	02/04/10	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	02/04/10	SD
2-Methylphenol	ND	1	300	ug/Kg	02/04/10	SD
2-Nitroaniline	ND	1	300	ug/Kg	02/04/10	SD
2-Nitrophenol	ND	1	300	ug/Kg	02/04/10	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	02/04/10	SD
3-Methylphenol	ND	1	500	ug/Kg	02/04/10	SD
3-Nitroaniline	ND	1	300	ug/Kg	02/04/10	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	02/04/10	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	02/04/10	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	02/04/10	SD
4-Chloroaniline	ND	1	300	ug/Kg	02/04/10	SD

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Order #: 1054621 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-Wall-30'
Date Sampled: 02/02/2010
Time Sampled: 10:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	02/04/10	SD
4-Methylphenol	ND	1	500	ug/Kg	02/04/10	SD
4-Nitroaniline	ND	1	300	ug/Kg	02/04/10	SD
4-Nitrophenol	ND	1	300	ug/Kg	02/04/10	SD
Acenaphthene	ND	1	300	ug/Kg	02/04/10	SD
Acenaphthylene	ND	1	300	ug/Kg	02/04/10	SD
Anthracene	ND	1	300	ug/Kg	02/04/10	SD
Benzidine	ND	1	1500	ug/Kg	02/04/10	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	02/04/10	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	02/04/10	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	02/04/10	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	02/04/10	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	02/04/10	SD
Benzoic Acid	ND	1	300	ug/Kg	02/04/10	SD
Benzyl alcohol	ND	1	300	ug/Kg	02/04/10	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	02/04/10	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	02/04/10	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	02/04/10	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	02/04/10	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	02/04/10	SD
Chrysene	ND	1	300	ug/Kg	02/04/10	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	02/04/10	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	02/04/10	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	02/04/10	SD
Dibenzofuran	ND	1	300	ug/Kg	02/04/10	SD
Diethylphthalate	ND	1	300	ug/Kg	02/04/10	SD
Dimethylphthalate	ND	1	300	ug/Kg	02/04/10	SD
Fluoranthene	ND	1	300	ug/Kg	02/04/10	SD
Fluorene	ND	1	300	ug/Kg	02/04/10	SD
Hexachlorobenzene	ND	1	300	ug/Kg	02/04/10	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	02/04/10	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	02/04/10	SD
Hexachloroethane	ND	1	300	ug/Kg	02/04/10	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	02/04/10	SD
Isophorone	ND	1	300	ug/Kg	02/04/10	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	02/04/10	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	02/04/10	SD
Naphthalene	ND	1	300	ug/Kg	02/04/10	SD
Nitrobenzene	ND	1	300	ug/Kg	02/04/10	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1054621 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** NE-Wall-30'
Date Sampled: 02/02/2010
Time Sampled: 10:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	02/04/10	SD
Phenanthrene	ND	1	300	ug/Kg	02/04/10	SD
Phenol	ND	1	300	ug/Kg	02/04/10	SD
Pyrene	ND	1	300	ug/Kg	02/04/10	SD
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	71			%	17 - 122	
2-Fluorobiphenyl (sur)	53			%	30 - 115	
2-Fluorophenol (sur)	55			%	25 - 121	
Nitrobenzene-d5 (sur)	55			%	23 - 120	
Phenol-d5 (sur)	50			%	24 - 113	
Terphenyl-d14 (sur)	92			%	18 - 137	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1054622 **Client:** Stratus Environmental

Matrix: SOLID **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	02/03/10	AF
C10 - C22	ND	1	3	mg/Kg	02/03/10	AF
C22 - C36	ND	1	5	mg/Kg	02/03/10	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	80			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	02/03/10	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	02/03/10	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	02/03/10	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	02/03/10	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	02/03/10	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	02/03/10	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	02/03/10	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	02/03/10	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	02/03/10	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	02/03/10	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	02/03/10	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	02/03/10	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	02/03/10	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	02/03/10	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	02/03/10	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	02/03/10	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	02/03/10	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	02/03/10	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	02/03/10	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	02/03/10	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	02/03/10	LZ
Acetone	ND	1	50	ug/Kg	02/03/10	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1054622 **Client:** Stratus Environmental

Matrix: SOLID **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	02/03/10	LZ
Benzene	ND	1	5	ug/Kg	02/03/10	LZ
Bromobenzene	ND	1	5	ug/Kg	02/03/10	LZ
Bromochloromethane	ND	1	5	ug/Kg	02/03/10	LZ
Bromodichloromethane	ND	1	5	ug/Kg	02/03/10	LZ
Bromoform	ND	1	5	ug/Kg	02/03/10	LZ
Bromomethane	ND	1	5	ug/Kg	02/03/10	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	02/03/10	LZ
Chlorobenzene	ND	1	5	ug/Kg	02/03/10	LZ
Chloroethane	ND	1	5	ug/Kg	02/03/10	LZ
Chloroform	ND	1	5	ug/Kg	02/03/10	LZ
Chloromethane	ND	1	5	ug/Kg	02/03/10	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	02/03/10	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	02/03/10	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/03/10	LZ
Dibromochloromethane	ND	1	5	ug/Kg	02/03/10	LZ
Dibromomethane	ND	1	5	ug/Kg	02/03/10	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	02/03/10	LZ
Ethyl benzene	ND	1	5	ug/Kg	02/03/10	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	02/03/10	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	02/03/10	LZ
m and p-Xylene	ND	1	5	ug/Kg	02/03/10	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	02/03/10	LZ
Methylene chloride	ND	1	5	ug/Kg	02/03/10	LZ
n-Butylbenzene	ND	1	5	ug/Kg	02/03/10	LZ
n-Propylbenzene	ND	1	5	ug/Kg	02/03/10	LZ
Naphthalene	ND	1	5	ug/Kg	02/03/10	LZ
o-Xylene	ND	1	5	ug/Kg	02/03/10	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	02/03/10	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	02/03/10	LZ
Styrene	ND	1	5	ug/Kg	02/03/10	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	02/03/10	LZ
Tetrachloroethene	ND	1	5	ug/Kg	02/03/10	LZ
Toluene	ND	1	5	ug/Kg	02/03/10	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	02/03/10	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	02/03/10	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/03/10	LZ
Trichloroethene	ND	1	5	ug/Kg	02/03/10	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	02/03/10	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1054622 **Client:** Stratus Environmental

Matrix: SOLID **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	02/03/10	LZ
Xylenes, total	ND	1	5	ug/Kg	02/03/10	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	02/03/10	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	02/03/10	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	02/03/10	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	02/03/10	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	95			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	108			%	70 - 135	
Surr3 - Toluene-d8	97			%	70 - 135	
Surr4 - p-Bromofluorobenzene	95			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	02/02/10	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	02/02/10	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	02/02/10	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	02/02/10	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	02/02/10	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	02/02/10	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	02/02/10	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	02/02/10	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	02/02/10	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	02/02/10	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	02/02/10	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	02/02/10	SD
2-Chlorophenol	ND	1	300	ug/Kg	02/02/10	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	02/02/10	SD
2-Methylphenol	ND	1	300	ug/Kg	02/02/10	SD
2-Nitroaniline	ND	1	300	ug/Kg	02/02/10	SD
2-Nitrophenol	ND	1	300	ug/Kg	02/02/10	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	02/02/10	SD
3-Methylphenol	ND	1	500	ug/Kg	02/02/10	SD
3-Nitroaniline	ND	1	300	ug/Kg	02/02/10	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	02/02/10	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	02/02/10	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	02/02/10	SD
4-Chloroaniline	ND	1	300	ug/Kg	02/02/10	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1054622 **Client:** Stratus Environmental

Matrix: SOLID **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	02/02/10	SD
4-Methylphenol	ND	1	500	ug/Kg	02/02/10	SD
4-Nitroaniline	ND	1	300	ug/Kg	02/02/10	SD
4-Nitrophenol	ND	1	300	ug/Kg	02/02/10	SD
Acenaphthene	ND	1	300	ug/Kg	02/02/10	SD
Acenaphthylene	ND	1	300	ug/Kg	02/02/10	SD
Anthracene	ND	1	300	ug/Kg	02/02/10	SD
Benzidine	ND	1	1500	ug/Kg	02/02/10	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	02/02/10	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	02/02/10	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	02/02/10	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	02/02/10	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	02/02/10	SD
Benzoic Acid	ND	1	300	ug/Kg	02/02/10	SD
Benzyl alcohol	ND	1	300	ug/Kg	02/02/10	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	02/02/10	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	02/02/10	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	02/02/10	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	02/02/10	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	02/02/10	SD
Chrysene	ND	1	300	ug/Kg	02/02/10	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	02/02/10	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	02/02/10	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	02/02/10	SD
Dibenzofuran	ND	1	300	ug/Kg	02/02/10	SD
Diethylphthalate	ND	1	300	ug/Kg	02/02/10	SD
Dimethylphthalate	ND	1	300	ug/Kg	02/02/10	SD
Fluoranthene	ND	1	300	ug/Kg	02/02/10	SD
Fluorene	ND	1	300	ug/Kg	02/02/10	SD
Hexachlorobenzene	ND	1	300	ug/Kg	02/02/10	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	02/02/10	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	02/02/10	SD
Hexachloroethane	ND	1	300	ug/Kg	02/02/10	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	02/02/10	SD
Isophorone	ND	1	300	ug/Kg	02/02/10	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	02/02/10	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	02/02/10	SD
Naphthalene	ND	1	300	ug/Kg	02/02/10	SD
Nitrobenzene	ND	1	300	ug/Kg	02/02/10	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1054622 **Client:** Stratus Environmental

Matrix: SOLID **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	02/02/10	SD
Phenanthrene	ND	1	300	ug/Kg	02/02/10	SD
Phenol	ND	1	300	ug/Kg	02/02/10	SD
Pyrene	ND	1	300	ug/Kg	02/02/10	SD

Surrogates		Units	Control Limits
2,4,6-Tribromophenol (sur)	49	%	17 - 122
2-Fluorobiphenyl (sur)	58	%	30 - 115
2-Fluorophenol (sur)	49	%	25 - 121
Nitrobenzene-d5 (sur)	56	%	23 - 120
Phenol-d5 (sur)	59	%	24 - 113
Terphenyl-d14 (sur)	86	%	18 - 137

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LCS/LCSD

Matrix: SOLID

Extraction Method : 3545

Prep. Date: February 3, 2010

Analysis Date February 3, 2010

Lab ID#'s in Batch: LR 249041, 249014, 249001, 249089, 249094

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
DIESEL	8015D	ND	25	24	26	96	104	8

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	surr
QC Limit	**60-140**
Method Blank	80
LCS	85
LCSD	95

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Solid Sample* 248943-250
Date Prepared: February 2, 2010
Date Analyzed: February 3, 2010
Sample Matrix: Solid
Units: µg/Kg

Lab ID#'s in Batch: 248943, 249014

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	48.90	48.80	98	98	0	22	59 - 172
MTBE	0.00	50.0	46.90	44.30	94	89	6	24	62 - 137
Benzene	0.00	50.0	44.80	45.40	90	91	1	24	62 - 137
Trichloroethene	0.00	50.0	46.20	44.60	92	89	4	21	66 - 142
Toluene	0.00	50.0	44.60	44.30	89	89	1	21	59 - 139
Chlorobenzene	0.00	50.0	43.40	42.40	87	85	2	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	52.50	105	59 - 172
MTBE	50.0	49.30	99	62 - 137
Benzene	50.0	52.00	104	62 - 137
Trichloroethene	50.0	50.30	101	66 - 142
Toluene	50.0	50.40	101	59 - 139
Chlorobenzene	50.0	49.80	100	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	95		106	107		107	70 - 135
1,2-Dichloroethane-d4	108		103	101		100	70 - 135
Toluene-d8	97		101	99		99	70 - 135
p-Bromofluorobenzene	95		96	97		102	70 - 135

ASSOCIATED LABORATORIES
QA REPORT FORM

Method : EPA 8270 Preparative Method: EPA 3545

QC Sample: 248914-1054143

Matrix: SOLID

Date Analyzed : 2/2/2010

Batch Date: 2/2/2010 (8270-020210s)

Applies to: LR 248914 & LR 249014

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = µg/Kg

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
Phenol	ND	2500	1704	1469	68	59	15	52	18-115
2-Chorophenol	ND	2500	1645	1466	66	59	11	58	26-90
1,4-Dichlorobenzene	ND	2500	1422	1208	57	48	16	81	13-93
N-Nitroso-di-*N*-propylamine	ND	2500	1469	1486	59	59	1	56	18-114
1,2,4-Trichlorobenzene	ND	2500	1395	1138	56	46	20	57	19-115
4-Chloro-3-methylphenol	ND	2500	2134	2029	85	81	5	34	29-115
Acenaphthene	ND	2500	1663	1580	67	63	5	50	17-114
4-Nitrophenol	ND	2500	2236	2309	89	92	3	45	3-115
2,4-Dinitrotoluene	ND	2500	2130	2072	85	83	3	30	40-115
Pentachlorophenol	ND	2500	2311	2433	92	97	5	41	0-146
Pyrene	ND	2500	1928	1834	77	73	5	37	26-141

** Outside Control Limits due to matrix interference*

ND = Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

% Rec-MS & MSD = Percent Recoveries from Matrix Spike & Matrix Spike Duplicate

LCS RECOVERY / METHOD BLANK

REPORTING UNITS = µg/Kg

Test	Spike Added	LCS Result	LCS % Rec	Limits % Rec
Phenol	2500	1259	50	25-95
2-Chorophenol	2500	1342	54	19-95
1,4-Dichlorobenzene	2500	1193	48	16-86
N-Nitroso-di-*N*-propylamine	2500	1099	44	17-108
1,2,4-Trichlorobenzene	2500	1119	45	15-96
4-Chloro-3-methylphenol	2500	1217	49	27-100
Acenaphthene	2500	1311	52	23-109
4-Nitrophenol	2500	2169	87	7-104
2,4-Dinitrotoluene	2500	1884	75	45-105
Pentachlorophenol	2500	1121	45	11-107
Pyrene	2500	2153	86	45-130

Method Blank = All ND

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

A.L. Job No. 249014

Page 1 of 1

Company: STRATUS ENVIRONMENTAL
Phone: 714 230 2495
Project Manager: HENRY AMES
Fax: 714 230 8496
Project Name: LOS VALLES DEVELOPMENT
Project #:
Site Name and Address: 28909 HASLEY CYN RD, SANTA CLARITA

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH CARBON CHAIN 8015M	8260B VOCS	8270C SVOCS							Test Instructions & Comments
1	SW-WALL-20'		2/2/2010	0900	SOIL	8	NA	X									
2	NE-WALL-30'		2/2/2010	1030	SOIL	8	NA	X	X	X							
3			NOTHING	TO	FOLLOW												
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

SK 2-2-2010

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Samples: 1.	Relinquished by 2.	Relinquished by 3.
Signature: STEPHEN KALINA	Signature:	Signature:
Printed Name: STEPHEN KALINA	Printed Name:	Printed Name:
Date: 2/2/2010 Time: 1335	Date: Time:	Date: Time:
Received By: 1.	Received By: 2.	Received By: 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 2/2/10 Time: 13:30	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Stratus Enviro
Date Received: 2/2/10
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information:
Project:
Sampler's Name: (Yes) No

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other
Cooler or box temperature: 2C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	Y		
Is it properly completed? (IDs, sampling date and time, signature, test)	Y		
Were custody seals present?		X	
If Yes – were they intact?			Y
Were all samples sealed in plastic bags?	Y		
Did all samples arrive intact? If no, indicate below.	Y		
Did all bottle labels agree with COC? (ID, dates and times)	Y		
Were correct containers used for the tests required?	Y		
Was a sufficient amount of sample sent for tests indicated?	Y		
Was there headspace in VOA vials?			X
Were the containers labeled with correct preservatives?			X
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N N/A

Completed By: [signature] Date: 2/2/10

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Stratus Environmental (10930)
ATTN: Henry Ames
5412 Bolsa Avenue
Suite G
Huntington Beach, CA 92649

LAB REQUEST 250011
REPORTED 02/22/2010
RECEIVED 02/17/2010

PROJECT Los Valles Development

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1058767	SP-SW-0.5'
1058768	SP-NW-0.5'
1058769	SP-NE-0.5'
1058770	SP-SE-0.5'
1058771	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1058767 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-SW-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	02/19/10	AF
C10 - C22	ND	1	3	mg/Kg	02/19/10	AF
C22 - C36	ND	1	5	mg/Kg	02/19/10	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	103			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	02/19/10	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	02/19/10	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	02/19/10	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	02/19/10	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	02/19/10	LZ
Acetone	ND	1	50	ug/Kg	02/19/10	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058767 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-SW-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	02/19/10	LZ
Benzene	ND	1	5	ug/Kg	02/19/10	LZ
Bromobenzene	ND	1	5	ug/Kg	02/19/10	LZ
Bromochloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Bromodichloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Bromoform	ND	1	5	ug/Kg	02/19/10	LZ
Bromomethane	ND	1	5	ug/Kg	02/19/10	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	02/19/10	LZ
Chlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
Chloroethane	ND	1	5	ug/Kg	02/19/10	LZ
Chloroform	ND	1	5	ug/Kg	02/19/10	LZ
Chloromethane	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/19/10	LZ
Dibromochloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Dibromomethane	ND	1	5	ug/Kg	02/19/10	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	02/19/10	LZ
Ethyl benzene	ND	1	5	ug/Kg	02/19/10	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	02/19/10	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	02/19/10	LZ
m and p-Xylene	ND	1	5	ug/Kg	02/19/10	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	02/19/10	LZ
Methylene chloride	ND	1	5	ug/Kg	02/19/10	LZ
n-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
n-Propylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Naphthalene	ND	1	5	ug/Kg	02/19/10	LZ
o-Xylene	ND	1	5	ug/Kg	02/19/10	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	02/19/10	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Styrene	ND	1	5	ug/Kg	02/19/10	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Tetrachloroethene	ND	1	5	ug/Kg	02/19/10	LZ
Toluene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/19/10	LZ
Trichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	02/19/10	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058767 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-SW-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	02/19/10	LZ
Xylenes, total	ND	1	5	ug/Kg	02/19/10	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	02/19/10	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	02/19/10	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	02/19/10	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	02/19/10	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	92			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	105			%	70 - 135	
Surr3 - Toluene-d8	94			%	70 - 135	
Surr4 - p-Bromofluorobenzene	104			%	70 - 135	

8270C Acid/Base/Neutral Extractables

1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	02/20/10	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	02/20/10	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	02/20/10	SD
2-Chlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	02/20/10	SD
2-Methylphenol	ND	1	300	ug/Kg	02/20/10	SD
2-Nitroaniline	ND	1	300	ug/Kg	02/20/10	SD
2-Nitrophenol	ND	1	300	ug/Kg	02/20/10	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	02/20/10	SD
3-Methylphenol	ND	1	500	ug/Kg	02/20/10	SD
3-Nitroaniline	ND	1	300	ug/Kg	02/20/10	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	02/20/10	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	02/20/10	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	02/20/10	SD
4-Chloroaniline	ND	1	300	ug/Kg	02/20/10	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058767 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-SW-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	02/20/10	SD
4-Methylphenol	ND	1	500	ug/Kg	02/20/10	SD
4-Nitroaniline	ND	1	300	ug/Kg	02/20/10	SD
4-Nitrophenol	ND	1	300	ug/Kg	02/20/10	SD
Acenaphthene	ND	1	300	ug/Kg	02/20/10	SD
Acenaphthylene	ND	1	300	ug/Kg	02/20/10	SD
Anthracene	ND	1	300	ug/Kg	02/20/10	SD
Benzidine	ND	1	1500	ug/Kg	02/20/10	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	02/20/10	SD
Benzoic Acid	ND	1	300	ug/Kg	02/20/10	SD
Benzyl alcohol	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	02/20/10	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Chrysene	ND	1	300	ug/Kg	02/20/10	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	02/20/10	SD
Dibenzofuran	ND	1	300	ug/Kg	02/20/10	SD
Diethylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Dimethylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Fluoranthene	ND	1	300	ug/Kg	02/20/10	SD
Fluorene	ND	1	300	ug/Kg	02/20/10	SD
Hexachlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	02/20/10	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	02/20/10	SD
Hexachloroethane	ND	1	300	ug/Kg	02/20/10	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	02/20/10	SD
Isophorone	ND	1	300	ug/Kg	02/20/10	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	02/20/10	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	02/20/10	SD
Naphthalene	ND	1	300	ug/Kg	02/20/10	SD
Nitrobenzene	ND	1	300	ug/Kg	02/20/10	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058767 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-SW-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	02/20/10	SD
Phenanthrene	ND	1	300	ug/Kg	02/20/10	SD
Phenol	ND	1	300	ug/Kg	02/20/10	SD
Pyrene	ND	1	300	ug/Kg	02/20/10	SD
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	75			%	17 - 122	
2-Fluorobiphenyl (sur)	65			%	30 - 115	
2-Fluorophenol (sur)	41			%	25 - 121	
Nitrobenzene-d5 (sur)	70			%	23 - 120	
Phenol-d5 (sur)	57			%	24 - 113	
Terphenyl-d14 (sur)	92			%	18 - 137	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058768 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-NW-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:15
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	02/19/10	AF
C10 - C22	ND	1	3	mg/Kg	02/19/10	AF
C22 - C36	ND	1	5	mg/Kg	02/19/10	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	102			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	02/19/10	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	02/19/10	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	02/19/10	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	02/19/10	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	02/19/10	LZ
Acetone	ND	1	50	ug/Kg	02/19/10	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058768 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-NW-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:15
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	02/19/10	LZ
Benzene	ND	1	5	ug/Kg	02/19/10	LZ
Bromobenzene	ND	1	5	ug/Kg	02/19/10	LZ
Bromochloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Bromodichloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Bromoform	ND	1	5	ug/Kg	02/19/10	LZ
Bromomethane	ND	1	5	ug/Kg	02/19/10	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	02/19/10	LZ
Chlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
Chloroethane	ND	1	5	ug/Kg	02/19/10	LZ
Chloroform	ND	1	5	ug/Kg	02/19/10	LZ
Chloromethane	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/19/10	LZ
Dibromochloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Dibromomethane	ND	1	5	ug/Kg	02/19/10	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	02/19/10	LZ
Ethyl benzene	ND	1	5	ug/Kg	02/19/10	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	02/19/10	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	02/19/10	LZ
m and p-Xylene	ND	1	5	ug/Kg	02/19/10	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	02/19/10	LZ
Methylene chloride	ND	1	5	ug/Kg	02/19/10	LZ
n-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
n-Propylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Naphthalene	ND	1	5	ug/Kg	02/19/10	LZ
o-Xylene	ND	1	5	ug/Kg	02/19/10	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	02/19/10	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Styrene	ND	1	5	ug/Kg	02/19/10	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Tetrachloroethene	ND	1	5	ug/Kg	02/19/10	LZ
Toluene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/19/10	LZ
Trichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	02/19/10	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058768 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-NW-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:15
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	02/19/10	LZ
Xylenes, total	ND	1	5	ug/Kg	02/19/10	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	02/19/10	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	02/19/10	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	02/19/10	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	02/19/10	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	92			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	107			%	70 - 135	
Surr3 - Toluene-d8	94			%	70 - 135	
Surr4 - p-Bromofluorobenzene	104			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	02/20/10	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	02/20/10	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	02/20/10	SD
2-Chlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	02/20/10	SD
2-Methylphenol	ND	1	300	ug/Kg	02/20/10	SD
2-Nitroaniline	ND	1	300	ug/Kg	02/20/10	SD
2-Nitrophenol	ND	1	300	ug/Kg	02/20/10	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	02/20/10	SD
3-Methylphenol	ND	1	500	ug/Kg	02/20/10	SD
3-Nitroaniline	ND	1	300	ug/Kg	02/20/10	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	02/20/10	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	02/20/10	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	02/20/10	SD
4-Chloroaniline	ND	1	300	ug/Kg	02/20/10	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058768
Matrix: SOLID
Date Sampled: 02/17/2010
Time Sampled: 13:15
Sampled By:

Client: Stratus Environmental
Client Sample ID: SP-NW-0.5'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	02/20/10	SD
4-Methylphenol	ND	1	500	ug/Kg	02/20/10	SD
4-Nitroaniline	ND	1	300	ug/Kg	02/20/10	SD
4-Nitrophenol	ND	1	300	ug/Kg	02/20/10	SD
Acenaphthene	ND	1	300	ug/Kg	02/20/10	SD
Acenaphthylene	ND	1	300	ug/Kg	02/20/10	SD
Anthracene	ND	1	300	ug/Kg	02/20/10	SD
Benzidine	ND	1	1500	ug/Kg	02/20/10	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	02/20/10	SD
Benzoic Acid	ND	1	300	ug/Kg	02/20/10	SD
Benzyl alcohol	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	02/20/10	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Chrysene	ND	1	300	ug/Kg	02/20/10	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	02/20/10	SD
Dibenzofuran	ND	1	300	ug/Kg	02/20/10	SD
Diethylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Dimethylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Fluoranthene	ND	1	300	ug/Kg	02/20/10	SD
Fluorene	ND	1	300	ug/Kg	02/20/10	SD
Hexachlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	02/20/10	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	02/20/10	SD
Hexachloroethane	ND	1	300	ug/Kg	02/20/10	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	02/20/10	SD
Isophorone	ND	1	300	ug/Kg	02/20/10	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	02/20/10	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	02/20/10	SD
Naphthalene	ND	1	300	ug/Kg	02/20/10	SD
Nitrobenzene	ND	1	300	ug/Kg	02/20/10	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058768
Matrix: SOLID
Date Sampled: 02/17/2010
Time Sampled: 13:15
Sampled By:

Client: Stratus Environmental
Client Sample ID: SP-NW-0.5'

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	02/20/10	SD
Phenanthrene	ND	1	300	ug/Kg	02/20/10	SD
Phenol	ND	1	300	ug/Kg	02/20/10	SD
Pyrene	ND	1	300	ug/Kg	02/20/10	SD
Surrogates				**Units**	**Control Limits**	
2,4,6-Tribromophenol (sur)	72			%	17 - 122	
2-Fluorobiphenyl (sur)	68			%	30 - 115	
2-Fluorophenol (sur)	39			%	25 - 121	
Nitrobenzene-d5 (sur)	70			%	23 - 120	
Phenol-d5 (sur)	59			%	24 - 113	
Terphenyl-d14 (sur)	91			%	18 - 137	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058769 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-NE-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	02/19/10	AF
C10 - C22	ND	1	3	mg/Kg	02/19/10	AF
C22 - C36	ND	1	5	mg/Kg	02/19/10	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	93			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	02/19/10	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	02/19/10	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	02/19/10	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	02/19/10	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	02/19/10	LZ
Acetone	ND	1	50	ug/Kg	02/19/10	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058769 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-NE-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	02/19/10	LZ
Benzene	ND	1	5	ug/Kg	02/19/10	LZ
Bromobenzene	ND	1	5	ug/Kg	02/19/10	LZ
Bromochloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Bromodichloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Bromoform	ND	1	5	ug/Kg	02/19/10	LZ
Bromomethane	ND	1	5	ug/Kg	02/19/10	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	02/19/10	LZ
Chlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
Chloroethane	ND	1	5	ug/Kg	02/19/10	LZ
Chloroform	ND	1	5	ug/Kg	02/19/10	LZ
Chloromethane	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/19/10	LZ
Dibromochloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Dibromomethane	ND	1	5	ug/Kg	02/19/10	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	02/19/10	LZ
Ethyl benzene	ND	1	5	ug/Kg	02/19/10	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	02/19/10	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	02/19/10	LZ
m and p-Xylene	ND	1	5	ug/Kg	02/19/10	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	02/19/10	LZ
Methylene chloride	ND	1	5	ug/Kg	02/19/10	LZ
n-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
n-Propylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Naphthalene	ND	1	5	ug/Kg	02/19/10	LZ
o-Xylene	ND	1	5	ug/Kg	02/19/10	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	02/19/10	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Styrene	ND	1	5	ug/Kg	02/19/10	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Tetrachloroethene	ND	1	5	ug/Kg	02/19/10	LZ
Toluene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/19/10	LZ
Trichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	02/19/10	LZ

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Order #: 1058769 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-NE-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	02/19/10	LZ
Xylenes, total	ND	1	5	ug/Kg	02/19/10	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	02/19/10	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	02/19/10	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	02/19/10	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	02/19/10	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	86			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	106			%	70 - 135	
Surr3 - Toluene-d8	103			%	70 - 135	
Surr4 - p-Bromofluorobenzene	102			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	02/20/10	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	02/20/10	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	02/20/10	SD
2-Chlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	02/20/10	SD
2-Methylphenol	ND	1	300	ug/Kg	02/20/10	SD
2-Nitroaniline	ND	1	300	ug/Kg	02/20/10	SD
2-Nitrophenol	ND	1	300	ug/Kg	02/20/10	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	02/20/10	SD
3-Methylphenol	ND	1	500	ug/Kg	02/20/10	SD
3-Nitroaniline	ND	1	300	ug/Kg	02/20/10	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	02/20/10	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	02/20/10	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	02/20/10	SD
4-Chloroaniline	ND	1	300	ug/Kg	02/20/10	SD

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Order #: 1058769 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-NE-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:30
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	02/20/10	SD
4-Methylphenol	ND	1	500	ug/Kg	02/20/10	SD
4-Nitroaniline	ND	1	300	ug/Kg	02/20/10	SD
4-Nitrophenol	ND	1	300	ug/Kg	02/20/10	SD
Acenaphthene	ND	1	300	ug/Kg	02/20/10	SD
Acenaphthylene	ND	1	300	ug/Kg	02/20/10	SD
Anthracene	ND	1	300	ug/Kg	02/20/10	SD
Benzidine	ND	1	1500	ug/Kg	02/20/10	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	02/20/10	SD
Benzoic Acid	ND	1	300	ug/Kg	02/20/10	SD
Benzyl alcohol	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	02/20/10	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Chrysene	ND	1	300	ug/Kg	02/20/10	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	02/20/10	SD
Dibenzofuran	ND	1	300	ug/Kg	02/20/10	SD
Diethylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Dimethylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Fluoranthene	ND	1	300	ug/Kg	02/20/10	SD
Fluorene	ND	1	300	ug/Kg	02/20/10	SD
Hexachlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	02/20/10	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	02/20/10	SD
Hexachloroethane	ND	1	300	ug/Kg	02/20/10	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	02/20/10	SD
Isophorone	ND	1	300	ug/Kg	02/20/10	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	02/20/10	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	02/20/10	SD
Naphthalene	ND	1	300	ug/Kg	02/20/10	SD
Nitrobenzene	ND	1	300	ug/Kg	02/20/10	SD

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Order #: 1058769 **Client:** Stratus Environmental

Matrix: SOLID **Client Sample ID:** SP-NE-0.5'

Date Sampled: 02/17/2010

Time Sampled: 13:30

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	02/20/10	SD
Phenanthrene	ND	1	300	ug/Kg	02/20/10	SD
Phenol	ND	1	300	ug/Kg	02/20/10	SD
Pyrene	ND	1	300	ug/Kg	02/20/10	SD

Surrogates		Units	Control Limits
2,4,6-Tribromophenol (sur)	67	%	17 - 122
2-Fluorobiphenyl (sur)	66	%	30 - 115
2-Fluorophenol (sur)	43	%	25 - 121
Nitrobenzene-d5 (sur)	68	%	23 - 120
Phenol-d5 (sur)	60	%	24 - 113
Terphenyl-d14 (sur)	95	%	18 - 137

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058770 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-SE-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:45
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	02/19/10	AF
C10 - C22	ND	1	3	mg/Kg	02/19/10	AF
C22 - C36	ND	1	5	mg/Kg	02/19/10	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	125			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	02/19/10	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	02/19/10	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	02/19/10	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	02/19/10	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	02/19/10	LZ
Acetone	ND	1	50	ug/Kg	02/19/10	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058770 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-SE-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:45
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	02/19/10	LZ
Benzene	ND	1	5	ug/Kg	02/19/10	LZ
Bromobenzene	ND	1	5	ug/Kg	02/19/10	LZ
Bromochloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Bromodichloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Bromoform	ND	1	5	ug/Kg	02/19/10	LZ
Bromomethane	ND	1	5	ug/Kg	02/19/10	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	02/19/10	LZ
Chlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
Chloroethane	ND	1	5	ug/Kg	02/19/10	LZ
Chloroform	ND	1	5	ug/Kg	02/19/10	LZ
Chloromethane	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/19/10	LZ
Dibromochloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Dibromomethane	ND	1	5	ug/Kg	02/19/10	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	02/19/10	LZ
Ethyl benzene	ND	1	5	ug/Kg	02/19/10	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	02/19/10	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	02/19/10	LZ
m and p-Xylene	ND	1	5	ug/Kg	02/19/10	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	02/19/10	LZ
Methylene chloride	ND	1	5	ug/Kg	02/19/10	LZ
n-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
n-Propylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Naphthalene	ND	1	5	ug/Kg	02/19/10	LZ
o-Xylene	ND	1	5	ug/Kg	02/19/10	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	02/19/10	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Styrene	ND	1	5	ug/Kg	02/19/10	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Tetrachloroethene	ND	1	5	ug/Kg	02/19/10	LZ
Toluene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/19/10	LZ
Trichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	02/19/10	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058770 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-SE-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:45
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	02/19/10	LZ
Xylenes, total	ND	1	5	ug/Kg	02/19/10	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	02/19/10	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	02/19/10	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	02/19/10	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	02/19/10	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	87			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	105			%	70 - 135	
Surr3 - Toluene-d8	102			%	70 - 135	
Surr4 - p-Bromofluorobenzene	103			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	02/20/10	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	02/20/10	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	02/20/10	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	02/20/10	SD
2-Chlorophenol	ND	1	300	ug/Kg	02/20/10	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	02/20/10	SD
2-Methylphenol	ND	1	300	ug/Kg	02/20/10	SD
2-Nitroaniline	ND	1	300	ug/Kg	02/20/10	SD
2-Nitrophenol	ND	1	300	ug/Kg	02/20/10	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	02/20/10	SD
3-Methylphenol	ND	1	500	ug/Kg	02/20/10	SD
3-Nitroaniline	ND	1	300	ug/Kg	02/20/10	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	02/20/10	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	02/20/10	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	02/20/10	SD
4-Chloroaniline	ND	1	300	ug/Kg	02/20/10	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058770 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-SE-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:45
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	02/20/10	SD
4-Methylphenol	ND	1	500	ug/Kg	02/20/10	SD
4-Nitroaniline	ND	1	300	ug/Kg	02/20/10	SD
4-Nitrophenol	ND	1	300	ug/Kg	02/20/10	SD
Acenaphthene	ND	1	300	ug/Kg	02/20/10	SD
Acenaphthylene	ND	1	300	ug/Kg	02/20/10	SD
Anthracene	ND	1	300	ug/Kg	02/20/10	SD
Benzidine	ND	1	1500	ug/Kg	02/20/10	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	02/20/10	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	02/20/10	SD
Benzoic Acid	ND	1	300	ug/Kg	02/20/10	SD
Benzyl alcohol	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	02/20/10	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	02/20/10	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Chrysene	ND	1	300	ug/Kg	02/20/10	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	02/20/10	SD
Dibenzofuran	ND	1	300	ug/Kg	02/20/10	SD
Diethylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Dimethylphthalate	ND	1	300	ug/Kg	02/20/10	SD
Fluoranthene	ND	1	300	ug/Kg	02/20/10	SD
Fluorene	ND	1	300	ug/Kg	02/20/10	SD
Hexachlorobenzene	ND	1	300	ug/Kg	02/20/10	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	02/20/10	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	02/20/10	SD
Hexachloroethane	ND	1	300	ug/Kg	02/20/10	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	02/20/10	SD
Isophorone	ND	1	300	ug/Kg	02/20/10	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	02/20/10	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	02/20/10	SD
Naphthalene	ND	1	300	ug/Kg	02/20/10	SD
Nitrobenzene	ND	1	300	ug/Kg	02/20/10	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058770 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** SP-SE-0.5'
Date Sampled: 02/17/2010
Time Sampled: 13:45
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
Pentachlorophenol	ND	1	300	ug/Kg	02/20/10	SD
Phenanthrene	ND	1	300	ug/Kg	02/20/10	SD
Phenol	ND	1	300	ug/Kg	02/20/10	SD
Pyrene	ND	1	300	ug/Kg	02/20/10	SD

Surrogates		Units	Control Limits
2,4,6-Tribromophenol (sur)	75	%	17 - 122
2-Fluorobiphenyl (sur)	68	%	30 - 115
2-Fluorophenol (sur)	46	%	25 - 121
Nitrobenzene-d5 (sur)	69	%	23 - 120
Phenol-d5 (sur)	58	%	24 - 113
Terphenyl-d14 (sur)	92	%	18 - 137

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058771 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** Laboratory Method Blank
Date Sampled:
Time Sampled:
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8015B Carbon Chain I						
C06 - C10	ND	1	3	mg/Kg	02/19/10	AF
C10 - C22	ND	1	3	mg/Kg	02/19/10	AF
C22 - C36	ND	1	5	mg/Kg	02/19/10	AF
Surrogates				**Units**	**Control Limits**	
Triacontane (Sur)	130			%	60 - 140	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	02/19/10	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	02/19/10	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	02/19/10	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	02/19/10	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	02/19/10	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	02/19/10	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	02/19/10	LZ
Acetone	ND	1	50	ug/Kg	02/19/10	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058771 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** Laboratory Method Blank
Date Sampled:
Time Sampled:
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Allyl chloride	ND	1	5	ug/Kg	02/19/10	LZ
Benzene	ND	1	5	ug/Kg	02/19/10	LZ
Bromobenzene	ND	1	5	ug/Kg	02/19/10	LZ
Bromochloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Bromodichloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Bromoform	ND	1	5	ug/Kg	02/19/10	LZ
Bromomethane	ND	1	5	ug/Kg	02/19/10	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	02/19/10	LZ
Chlorobenzene	ND	1	5	ug/Kg	02/19/10	LZ
Chloroethane	ND	1	5	ug/Kg	02/19/10	LZ
Chloroform	ND	1	5	ug/Kg	02/19/10	LZ
Chloromethane	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/19/10	LZ
Dibromochloromethane	ND	1	5	ug/Kg	02/19/10	LZ
Dibromomethane	ND	1	5	ug/Kg	02/19/10	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	02/19/10	LZ
Ethyl benzene	ND	1	5	ug/Kg	02/19/10	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	02/19/10	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	02/19/10	LZ
m and p-Xylene	ND	1	5	ug/Kg	02/19/10	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	02/19/10	LZ
Methylene chloride	ND	1	5	ug/Kg	02/19/10	LZ
n-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
n-Propylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Naphthalene	ND	1	5	ug/Kg	02/19/10	LZ
o-Xylene	ND	1	5	ug/Kg	02/19/10	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	02/19/10	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Styrene	ND	1	5	ug/Kg	02/19/10	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	02/19/10	LZ
Tetrachloroethene	ND	1	5	ug/Kg	02/19/10	LZ
Toluene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	02/19/10	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	02/19/10	LZ
Trichloroethene	ND	1	5	ug/Kg	02/19/10	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	02/19/10	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058771 **Client:** Stratus Environmental
Matrix: SOLID **Client Sample ID:** Laboratory Method Blank
Date Sampled:
Time Sampled:
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Vinyl chloride	ND	1	5	ug/Kg	02/19/10	LZ
Xylenes, total	ND	1	5	ug/Kg	02/19/10	LZ
Di-isopropyl ether (DIPE)	ND	1	2.0	ug/Kg	02/19/10	LZ
Ethyl-tertbutylether (ETBE)	ND	1	2.0	ug/Kg	02/19/10	LZ
Tert-amylmethylether (TAME)	ND	1	2.0	ug/Kg	02/19/10	LZ
Tertiary butyl alcohol (TBA)	ND	1	10	ug/Kg	02/19/10	LZ
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	93			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	109			%	70 - 135	
Surr3 - Toluene-d8	92			%	70 - 135	
Surr4 - p-Bromofluorobenzene	103			%	70 - 135	
8270C Acid/Base/Neutral Extractables						
1,2,4-Trichlorobenzene	ND	1	300	ug/Kg	02/19/10	SD
1,2-Dichlorobenzene	ND	1	300	ug/Kg	02/19/10	SD
1,3-Dichlorobenzene	ND	1	300	ug/Kg	02/19/10	SD
1,4-Dichlorobenzene	ND	1	300	ug/Kg	02/19/10	SD
2,4,5-Trichlorophenol	ND	1	300	ug/Kg	02/19/10	SD
2,4,6-Trichlorophenol	ND	1	300	ug/Kg	02/19/10	SD
2,4-Dichlorophenol	ND	1	300	ug/Kg	02/19/10	SD
2,4-Dimethylphenol	ND	1	300	ug/Kg	02/19/10	SD
2,4-Dinitrophenol	ND	1	300	ug/Kg	02/19/10	SD
2,4-Dinitrotoluene	ND	1	300	ug/Kg	02/19/10	SD
2,6-Dinitrotoluene	ND	1	300	ug/Kg	02/19/10	SD
2-Chloronaphthalene	ND	1	300	ug/Kg	02/19/10	SD
2-Chlorophenol	ND	1	300	ug/Kg	02/19/10	SD
2-Methylnaphthalene	ND	1	300	ug/Kg	02/19/10	SD
2-Methylphenol	ND	1	300	ug/Kg	02/19/10	SD
2-Nitroaniline	ND	1	300	ug/Kg	02/19/10	SD
2-Nitrophenol	ND	1	300	ug/Kg	02/19/10	SD
3,3-Dichlorobenzidine	ND	1	300	ug/Kg	02/19/10	SD
3-Methylphenol	ND	1	500	ug/Kg	02/19/10	SD
3-Nitroaniline	ND	1	300	ug/Kg	02/19/10	SD
4,6-Dinitro-2-methylphenol	ND	1	300	ug/Kg	02/19/10	SD
4-Bromophenyl-phenylether	ND	1	300	ug/Kg	02/19/10	SD
4-Chloro-3-methylphenol	ND	1	300	ug/Kg	02/19/10	SD
4-Chloroaniline	ND	1	300	ug/Kg	02/19/10	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058771 **Client:** Stratus Environmental

Matrix: SOLID **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8270C Acid/Base/Neutral Extractables						
4-Chlorophenyl-phenylether	ND	1	300	ug/Kg	02/19/10	SD
4-Methylphenol	ND	1	500	ug/Kg	02/19/10	SD
4-Nitroaniline	ND	1	300	ug/Kg	02/19/10	SD
4-Nitrophenol	ND	1	300	ug/Kg	02/19/10	SD
Acenaphthene	ND	1	300	ug/Kg	02/19/10	SD
Acenaphthylene	ND	1	300	ug/Kg	02/19/10	SD
Anthracene	ND	1	300	ug/Kg	02/19/10	SD
Benzidine	ND	1	1500	ug/Kg	02/19/10	SD
Benzo(a)anthracene	ND	1	300	ug/Kg	02/19/10	SD
Benzo(a)pyrene	ND	1	300	ug/Kg	02/19/10	SD
Benzo(b)fluoranthene	ND	1	300	ug/Kg	02/19/10	SD
Benzo(g,h,i)perylene	ND	1	300	ug/Kg	02/19/10	SD
Benzo(k)fluoranthene	ND	1	300	ug/Kg	02/19/10	SD
Benzoic Acid	ND	1	300	ug/Kg	02/19/10	SD
Benzyl alcohol	ND	1	300	ug/Kg	02/19/10	SD
bis(2-Chloroethoxy)methane	ND	1	300	ug/Kg	02/19/10	SD
bis(2-Chloroethyl)ether	ND	1	300	ug/Kg	02/19/10	SD
bis(2-Chloroisopropyl) ether	ND	1	300	ug/Kg	02/19/10	SD
bis(2-Ethylhexyl)phthalate	ND	1	300	ug/Kg	02/19/10	SD
Butylbenzylphthalate	ND	1	300	ug/Kg	02/19/10	SD
Chrysene	ND	1	300	ug/Kg	02/19/10	SD
Di-n-butylphthalate	ND	1	300	ug/Kg	02/19/10	SD
Di-n-octylphthalate	ND	1	300	ug/Kg	02/19/10	SD
Dibenz(a,h)anthracene	ND	1	300	ug/Kg	02/19/10	SD
Dibenzofuran	ND	1	300	ug/Kg	02/19/10	SD
Diethylphthalate	ND	1	300	ug/Kg	02/19/10	SD
Dimethylphthalate	ND	1	300	ug/Kg	02/19/10	SD
Fluoranthene	ND	1	300	ug/Kg	02/19/10	SD
Fluorene	ND	1	300	ug/Kg	02/19/10	SD
Hexachlorobenzene	ND	1	300	ug/Kg	02/19/10	SD
Hexachlorobutadiene	ND	1	300	ug/Kg	02/19/10	SD
Hexachlorocyclopentadiene	ND	1	300	ug/Kg	02/19/10	SD
Hexachloroethane	ND	1	300	ug/Kg	02/19/10	SD
Indeno(1,2,3-c,d)pyrene	ND	1	300	ug/Kg	02/19/10	SD
Isophorone	ND	1	300	ug/Kg	02/19/10	SD
N-Nitroso-di-n-propylamine	ND	1	300	ug/Kg	02/19/10	SD
N-Nitrosodiphenylamine	ND	1	300	ug/Kg	02/19/10	SD
Naphthalene	ND	1	300	ug/Kg	02/19/10	SD
Nitrobenzene	ND	1	300	ug/Kg	02/19/10	SD

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1058771 **Client:** Stratus Environmental

Matrix: SOLID **Client Sample ID:** Laboratory Method Blank

Date Sampled:

Time Sampled:

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
8270C Acid/Base/Neutral Extractables					
Pentachlorophenol	ND	1	300	ug/Kg	02/19/10 SD
Phenanthrene	ND	1	300	ug/Kg	02/19/10 SD
Phenol	ND	1	300	ug/Kg	02/19/10 SD
Pyrene	ND	1	300	ug/Kg	02/19/10 SD
Surrogates				**Units**	**Control Limits**
2,4,6-Tribromophenol (sur)	57			%	17 - 122
2-Fluorobiphenyl (sur)	61			%	30 - 115
2-Fluorophenol (sur)	43			%	25 - 121
Nitrobenzene-d5 (sur)	66			%	23 - 120
Phenol-d5 (sur)	60			%	24 - 113
Terphenyl-d14 (sur)	97			%	18 - 137

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 249928-126-ms,msd

Matrix: SOLID

Extraction Method 3545

Prep. Date: February 18, 2010

Analysis Date: February 19, 2010

Lab ID#'s in Batch: 249928, 250011, 250031, 250032, 250033, 250034, 250062

Reporting Units = mg/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
DIESEL	8015D	ND	25.00	18.00	19.00	72	76	5	30	70-130

* = Outside QC Limits

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Test	Method	Method Blank	Spike Added	LCS Spike	%Rec LCS	QC Limits RPD	QC Limits %REC
DIESEL	8015D	ND	25.00	25.00	100	30	70-130

SURROGATE RECOVERY

Sample No.	n-triacontane-d62
QC Limit	60-140
MS	128
MSD	95
Method Blank	130
LCS	117

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 8

Sample ID: *MS/MSD Solid Sample* 250011-769
Date Prepared: February 19, 2010
Date Analyzed: 2/19-2/20
Sample Matrix: Solid
Units: µg/Kg

Lab ID#'s in Batch: LR249869, 249878, 249620, 250011, 250062, 250156,

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	50.70	47.10	101	94	7	22	59 - 172
MTBE	0.00	50.0	48.70	45.20	97	90	7	24	62 - 137
Benzene	0.00	50.0	51.40	48.10	103	96	7	24	62 - 137
Trichloroethene	0.00	50.0	48.30	47.70	97	95	1	21	66 - 142
Toluene	0.00	50.0	48.30	49.40	97	99	2	21	59 - 139
Chlorobenzene	0.00	50.0	48.10	49.10	96	98	2	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	53.10	106	59 - 172
MTBE	50.0	55.70	111	62 - 137
Benzene	50.0	55.50	111	62 - 137
Trichloroethene	50.0	46.40	93	66 - 142
Toluene	50.0	47.10	94	59 - 139
Chlorobenzene	50.0	48.20	96	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	93	86		109	104		111	70 - 135
1,2-Dichloroethane-d4	109	106		97	93		96	70 - 135
Toluene-d8	92	101		97	101		94	70 - 135
p-Bromofluorobenzene	103	106		105	105		101	70 - 135

ASSOCIATED LABORATORIES
QA REPORT FORM

Method : EPA 8270 Preparative Method: EPA 3545

QC Sample: 249869-1057861

Matrix: SOLID

Date Analyzed : 2/20/2010

Batch Date: 2/18/2010 (8270-021810s)

Applies to: LR 249869 (1057841-1057865), LR 249878, LR 250011 & LR 250062

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = µg/Kg

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
Phenol	ND	2500	1485	1473	59	59	1	52	18-115
2-Chorophenol	ND	2500	1484	1491	59	60	0	58	26-90
1,4-Dichlorobenzene	ND	2500	1246	1270	50	51	2	81	13-93
N-Nitroso-di-*N*-propylamine	ND	2500	1466	1393	59	56	5	56	18-114
1,2,4-Trichlorobenzene	ND	2500	1219	1222	49	49	0	57	19-115
4-Chloro-3-methylphenol	ND	2500	1226	1193	49	48	3	34	29-115
Acenaphthene	ND	2500	1576	1515	63	61	4	50	17-114
4-Nitrophenol	ND	2500	1966	1889	79	76	4	45	3-115
2,4-Dinitrotoluene	ND	2500	1781	1797	71	72	1	30	40-115
Pentachlorophenol	ND	2500	2114	1894	85	76	11	41	0-146
Pyrene	ND	2500	1905	1976	76	79	4	37	26-141

** Outside Control Limits due to matrix interference*

ND = Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

% Rec-MS & MSD = Percent Recoveries from Matrix Spike & Matrix Spike Duplicate

LCS RECOVERY / METHOD BLANK

REPORTING UNITS = µg/Kg

Test	Spike Added	LCS Result	LCS % Rec	Limits % Rec
Phenol	2500	1352	54	25-95
2-Chorophenol	2500	1352	54	19-95
1,4-Dichlorobenzene	2500	1159	46	16-86
N-Nitroso-di-*N*-propylamine	2500	1304	52	17-108
1,2,4-Trichlorobenzene	2500	1125	45	15-96
4-Chloro-3-methylphenol	2500	1071	43	27-100
Acenaphthene	2500	1396	56	23-109
4-Nitrophenol	2500	1823	73	7-104
2,4-Dinitrotoluene	2500	1907	76	45-105
Pentachlorophenol	2500	1169	47	11-107
Pyrene	2500	2064	83	45-130

Method Blank = All ND

Chain of Custody Record

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Company: STRATUS ENVIRONMENTAL — Phone: 714 230 2495
Project Manager: HENRY AMES — Fax: 714 230 2496
Project Name: LOS VALLES DEVELOPMENT — Project #:
Site Name and Address: 28909 HASLEY CANYON RD, SANTA CLARITA, CA

A.L. Job No.: — Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	8015M TPH CARBON CHAIN	8260B VOCs	8270C SVOCs								Test Instructions & Comments
1	SP-SW-0.5'		2/17/10	1300	SOIL	8 VARIOUS	NA	X	X	X								
2	SP-NW-0.5'		2/17/10	1315	SOIL	8 VARIOUS	NA	X	X	X								
3	SP-NE-0.5'		2/17/10	1330	SOIL	8 VARIOUS	NA	X	X	X								
4	SP-SE-0.5'		2/17/10	1345	SOIL	8 VARIOUS	NA	X	X	X								
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: STEPHEN KALINA	Signature:	Signature:
Printed Name: STEPHEN KALINA	Printed Name:	Printed Name:
Date: 2/17/2010 Time: 1605	Date: Time:	Date: Time:
Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature: ASL	Signature: A	Signature:
Printed Name: Juan Montoya	Printed Name:	Printed Name:
Date: 2-17-10 Time: 16:09	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Stratus
Project: Los Valles Development
Date Received: 2-17-10
Sampler's Name: Yes No
Sample(s) received in cooler: Yes No (Skip Section 2)
Shipping Information: _____

Section 2
Was the cooler packed with: ✓ Ice ____ Ice Packs ____ Bubble Wrap ____ Styrofoam ____ Paper ____ None ____ Other _____
Cooler or box temperature: 1.0°C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓		
Were custody seals present?		✓	
If Yes – were they intact?			
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there headspace in VOA vials?			✓
Were the containers labeled with correct preservatives?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N N/A

Completed By: [signature] Date: 2-17-10