Haley & Aldrich, Inc.
9040 Friars Road
Suite 220
San Diego, CA 92108-5860

Tel: 619.280.9210
Fax: 619.280.9415
HaleyAldrich.com

HALEY & ALDRICH

31 August 2007
File No. 20060-248

The Boeing Company
5800 Woolsey Canyon Road
MC: 033-T487
Canoga Park, California 91304-1148

Attention: Mr. Art Lenox

Subject: Former Shooting Range/Northern Drainage
Clay Target Debris Removal Work Plan
Santa Susana Field Laboratory, Ventura County, California

Dear Mr. Lenox:

Enclosed is our work plan for the removal of clay target debris in the former Rocketdyne-Atomics International Rifle and Pistol Club shooting range area and within the Northern Drainage at the above-referenced site. This work plan includes a summary of recently collected soil and sediment data in the former shooting range and Northern Drainage and outlines planned activities for the removal of the visible clay target debris.

We appreciate this opportunity to work with The Boeing Company on this project. Please advise if you have any questions or wish to discuss this work plan further.

Sincerely yours,
HALEY & ALDRICH, INC.

Richard M. Parson, P.E.
Vice President

REGISTERED PROFESSIONAL ENGINEER
RICHARD M. PARSON
47269
EXPIRES 12/31/07
CIVIL
STATE OF CALIFORNIA

Sheldon D. Clark
Vice President

Enclosures

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REPORT ON
FORMER SHOOTING RANGE/NORTHERN DRAINAGE
CLAY TARGET DEBRIS REMOVAL WORK PLAN
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

by

Haley & Aldrich, Inc.
San Diego, California

For

The Boeing Company
Canoga Park, California

File No. 20060-248
31 August 2007

HALEY & ALDRICH

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1. INTRODUCTION

This work plan outlines proposed debris removal and maintenance activities to be completed by The Boeing Company (Boeing) in the former Rocketdyne-Atomics International Rifle and Pistol Club, Inc. shooting range area and within the nearby ephemeral drainage (Northern Drainage) that extends westward from the former shooting range. The former shooting range is located on the Mountains Recreation Conversancy Authority (MCRA) Sage Ranch property, immediately north of the Santa Susana Field Laboratory (SSFL), Ventura County, California. The Northern Drainage occurs both on Sage Ranch and SSFL property, and extends farther northward onto Brandeis-Bardin Institute (BBI) property.

The goal of the activities described herein is to remove remnants of clay targets used in skeet and trap shooting from the former shooting range area and from the Northern Drainage bank and sediments.

The work plan also includes additional data collected to characterize the extent of the clay target debris which is the most likely source of polynuclear aromatic hydrocarbons (PAHs) detected in soil at the former shooting range and in the drainage (the presence of PAHs in the clay targets were confirmed with analytical results). Included are the laboratory analytical data available to-date, as well as maps of the approximate clay target debris distribution based on visual observations. These data and maps will be used to guide the removal activities.

Upon completion of the work, a summary report for the debris removal activities will include a description of activities and the relevant data in tables and figures as described in Section 4 of this work plan. In addition, data generated during this work will be included in the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Group Reports.

1.1 Objectives and Scope of Debris Removal Work Plan

The proposed scope for this work plan was developed based on a 22 June 2007 meeting with Laura Rainey of the California Department of Toxic Substances Control (DTSC), a subsequent 6 July 2007 letter to the DTSC, and discussions with DTSC staff on 7 August 2007. Specifically, the objectives of the data collection and debris removal activities are:

- Supplement and confirm existing PAH data in surficial soils and sediments in the former shooting range area and along the Northern Drainage;
- Remove visible clay target debris in surficial soils and sediment at the former shooting range area and along the Northern Drainage; and
- Characterize the extent of the post-removal PAHs in these areas (if any) and compare their concentrations to California Environmental Protection Agency (Cal-EPA)-published background PAH concentrations for Southern California.

Information gained from the previous RFI data gap sediment sampling performed in the Northern Drainage, as well as the planned course of action to address the debris and PAHs, was described in the *Northern Drainage Sampling and Survey Information, Santa Susana Field Laboratory*, letter to DTSC from Boeing, dated 6 July 2007 (Boeing, 2007). Work planned or in progress to complete this removal activity includes:

- Complete additional soil sampling to better define the areas where clay target debris is observed;

- Conduct a visual survey for clay target debris along approximately 8,000 linear feet of drainage from the former shooting range area to National Pollution Discharge and Elimination System (NPDES) monitoring location Outfall No. 009, and approximately 5,600 feet onto the BBI property to the north;
- Map areas where clay target debris is present and use visual findings in concert with sampling results to identify areas for removal;
- Prepare and submit appropriate permits and notifications to the California Department of Fish and Game (CDFG), the United States Army Corps of Engineers (USACE), and the Regional Water Quality Control Board-Los Angeles (RWQCB), as necessary, for debris removal;
- Secure an access agreement with the MRCA for conducting work on the Sage Ranch property;
- Notify the BBI and schedule work on BBI property north of Outfall No. 009;
- Conduct a biological survey of the work areas. Identify sensitive and/or endangered species/habitats. Identify and mark in the field locations of protect-in-place plants/animal habitats;
- Conduct a survey for significant archeological/cultural resources. Identify and mark in the field protect-in-place locations;
- Install erosion and sediment control best management practices (BMPs);
- Remove non-sensitive vegetation in the former shooting range area (using appropriate equipment) to access surficial soils where clay target debris is present;
- Remove clay target debris from the shooting area using backhoe, loader or other equipment
- Remove identified surficial deposits of clay target debris with a vacuum truck, hand equipment, or other manual means necessary to access and remove debris from the drainage;
- Perform waste characterization(s) on removed material for proper off-site disposal;
- Obtain and analyze confirmation samples in removal areas;
- Fine grade removal areas in the former shooting range to maintain positive drainage;
- Restore disturbed areas; re-vegetate or plant mitigation vegetation; and
- Document the clay target debris removal activities and data in a summary report.

1.2 Facility Description

The former shooting range is approximately 3.5 acres in size and is located in the MRCA – Sage Ranch property adjacent to the northeastern portion of SSFL Area I, near the Main Gate (Figure 1). The former shooting range consists of the remnants of an asphalt parking lot and the exposed ground downrange area bounded by bedrock outcrops to the north. No buildings or other structures currently exist at the former shooting range.

The Northern Drainage roughly bisects the former shooting range area, extending east to west. An unpaved hiking trail generally parallels the drainage on the north side. Beyond the former shooting range to the west, the Northern Drainage traverses the property line between SSFL to the south and Sage Ranch to the north, and enters SSFL property southeast of the former Liquid Oxygen (LOX) Plant. The Northern Drainage then trends northwest, leaves SSFL property

approximately 500 feet north of Outfall No. 009, and extends onto the BBI property. The Northern Drainage extends approximately 8,000 linear feet (1.5 miles) from the east end of the former shooting range to Outfall No. 009. Currently, no active SSFL facilities or operations are in the vicinity of the Northern Drainage.

1.3 History of Former Shooting Range Operations

In 1972, the Rocketdyne – Atomics International Rifle and Pistol Club, Inc. entered into a lease with John A. Dundas, et. al., care of Mr. Orrin G. Sage, for land north of the SSFL measuring approximately 450 feet by 450 feet for the purpose of operating a trap/skeet shooting range. The shooting range was operated by the Rocketdyne – Atomics International Rifle and Pistol Club, Inc., independent of Boeing or its predecessors.

A succession of 5-year lease extensions were entered into in 1977, 1982, and 1987 between the Rocketdyne – Atomics International Rifle and Pistol Club, Inc., and Mr. Orrin G. Sage, an officer of the Geopac Corporation, the successor to John A. Dundas, et. al. In July 1990, the property foreclosed and was sold to the Santa Monica Mountains Conservancy (SMMC), through the MRCA. Due to SMMC's efforts to turn the Sage property into a public park and a wildlife corridor preservation area, the range was closed in April 1991.

In 1994, the former shooting range was identified as Solid Waste Management Unit (SWMU) 4.20 in the RCRA Facility Assessment (RFA) (SAIC, 1994). As described in the next section, removal actions for lead shot and debris have been conducted since 1992.

1.4 History of Maintenance /Removal Activities

In 1992 Rockwell agreed to perform site restoration at the former shooting range. The goal of the restoration activities was the removal of the visible lead shot and clay targets. In 1993, Rockwell participated in voluntary maintenance cleanup operations under agreements with MRCA and the California Conservation Corps (CCC).

In subsequenst years, Boeing identified additional lead shot in the former shooting range area and initiated voluntary maintenance/removal actions in 1998 and 2006.

2. CURRENT CONDITIONS

Recent RFI sampling conducted by MWH Americas, Inc. (MWH) in early 2007, within portions of the Northern Drainage, identified elevated concentrations of PAHs in some locations within the drainage. These were reported to DTSC in a data submittal provided by Boeing on 6 July 2007 (Boeing, 2007). As reported in that document, analyses results of the clay target material contain concentrations of PAHs, up to about 600 milligrams per kilogram (mg/kg). Thus, PAH concentrations in former shooting range and Northern Drainage soil samples are most likely from pieces of clay targets which contain petroleum-based pitch used as a binder in target manufacturing (Baer, et al. 1995) The distribution of visible clay target debris has been mapped by MWH in the former shooting range and Northern Drainage (see Figures 5 through 7). The following sections describe site features, previous and recent characterization activities, the extent of the debris and PAH concentrations in soil samples, and a soil comparison value.

2.1 Site Features

The elevation of the former shooting range area is approximately 1,850 feet above mean sea level (MSL). The downrange area north of the asphalt parking lot is relatively level exposed soil vegetated with annual and perennial grasses, weeds, shrubs, and small trees. Vegetation is relatively dense in some areas. Several large eucalyptus trees border the hiking trail along the north boundary. Large bedrock outcrops occupy the western portion of the former shooting range area and bedrock outcrops form the hills rising to the north of the range. Surface water discharge is ephemeral, resulting from rainfall, and generally flows via sheet flow into the Northern Drainage which extends east to west through the former shooting range.

The Northern Drainage descends from an elevation of approximately 1,900 feet MSL east of the former shooting range to approximately 1,610 feet MSL at Outfall No. 009, approximately 1.5 miles to the west-northwest. The drainage is composed of an ephemeral streambed channel cut into terrace sediment and sandstone bedrock. The average depth of the channel is approximately 3 to 5 feet, with deeper sections adjacent to bedrock outcrops. Sediment thickness in the bottom of the channel varies between zero to greater than 3 feet. Vegetation in and adjacent to the drainage consists of annual and perennial grasses, weeds, shrubs, and small trees. Vegetation is relatively dense in some areas. Surface water in the drainage flows west to Outfall No. 009, then north into Meier Canyon and subsequently to Arroyo Simi in the Calleugas Watershed, entering the Pacific Ocean at Mugu Lagoon.

2.2 Previous Characterization Activities

Maps with previous sample locations and analytical results, prepared by MWH, are shown on Figures 2 and 3. The laboratory analytical results of the previous Northern Drainage soil samples collected by MWH are tabulated in the 6 July 2007 letter from Boeing to DTSC (Boeing, 2007).

Since 1992, several characterization activities have been conducted at the former shooting range and within the Northern Drainage. These previous activities include:

- 1992: BBI/SMMC sampling north of the SSFL (McLaren/Hart, 1993 and 1995);
- 1997-2001: RFI Sampling (Ogden, 1999; MWH, 2004);
- 2003: North Drainage Perchlorate Sampling (MWH, 2003);
- 2004: Area I and Area II Landfills Sampling (MWH, 2004); and

- 2006-2007: RFI Sampling (data along Northern Drainage included in Boeing, 2007 and in this Work Plan).

2.3 Recent Characterization Activities

Locations of the recent (June-August 2007) soil samples are shown on Figure 4. The laboratory analytical results for the recent soil samples are tabulated in Table I.

In late June through August 2007, additional soil and debris samples were collected and analyzed by MWH to further delineate the extent of clay target pieces in surficial soils in the former shooting range area and Northern Drainage. Selected samples were also analyzed for waste characterization data for transportation and disposal coordination. These activities include:

- June 22: Inspection of drainage and former shooting range conditions with DTSC and MRCA representatives, and collection of clay target material and debris samples;
- July 20 - 31: Mapping of drainage features and clay target distribution, and collection of soil and sediment sampling in former shooting range area and in drainage north of Outfall 009 (SSFL and BBI locations); and,
- August 14: Collection of additional drainage samples (SSFL and MCRA).

Data analyzed to-date and summarized on Figure 4 and Table I does not include the waste characterization results for four debris samples (NDBS0076BS01, NDBS0077S01, NDBS0077AS01, and NDBS0096S01) which are in progress as this work plan is finalized. Also, four soil sample results (NDBS0119S01, NDBS0120S01, NDBS0124S02, and NDBS0127S02) are pending. As additional data is provided by the laboratory, it will be forwarded under separate cover as soon as it is available.

2.4 Extent of Clay Target Debris

Based on the results of the previous and recent characterization activities and field mapping, the extent of clay target debris in the former shooting range and Northern Drainage is depicted on Figures 5 through 7. Soil samples with detectable PAH concentrations occur throughout the length of the drainage, with concentrations generally decreasing in the down-gradient portions. In general, there was a concurrence between higher levels of mapped clay target material and higher concentrations of PAHs detected in the drainage sediments.

2.5 Soil Comparison Criteria

The goal of this maintenance activity is to remove visual clay target debris in the former shooting range and Northern drainage. The removal of clay target debris is expected to consequently reduce the presence of PAHs in surficial soils and sediment in these areas. As part of the debris removal, soil samples will be collected to further understand the extent of the presence of PAHs in soils and sediment in these areas. As noted in the Section 1, residual soil PAH concentrations remaining in place after this removal action is completed will be included as part of the RFI Group Reports.

For the purposes of this removal activity, a soil comparison concentration for PAHs is presented and will be used to help determine whether any further action is needed. In order to facilitate this evaluation of the sediment PAH concentrations, ambient Southern California background PAH concentrations are proposed for the soil comparison criteria to be used for the clay target

debris areas. The California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA), based on United States Environmental Protection Agency (USEPA) policy, states that "establishing a target remediation level that is equivalent to the background concentration of a contaminant is clearly in line with federal risk management guidance." (OEHHA, 2006). As such, the soil comparison concentration for PAHs in the former shooting range and Northern Drainage for this removal action is the background benzo(a)pyrene toxicity equivalent [$B(a)P_{teq}$] concentration for soils in Southern California of 0.90 mg/kg $B(a)P_{teq}$, (Cal-EPA, 1998).

This concentration has been approved for use by DTSC to evaluate carcinogenic PAHs in Southern California residential soils. For example, this $B(a)P_{teq}$ concentration of 0.90 mg/kg was considered an acceptable level for PAHs at 19 residential properties built on the former Alhambra Manufactured Gas Plant Site in Alhambra, California. This cleanup action was documented in a California EPA news release dated 25 February 1998 and entitled, Former Alhambra Gas Plant Site Cleanup Completed (Cal-EPA, 1998). Similarly, this ambient level was deemed acceptable for a trap and skeet range cleanup area at the George Air Force Base, California (MWH, 2003).

Upon completion of debris removal activities, confirmation soil samples will be collected and analyzed for PAHs. Existing and newly collected confirmation soil sample data will be used to calculate the residual $B(a)P_{teq}$ concentration using equivalency factors published in the Preliminary Endangerment Assessment Guidance Manual (Cal-EPA, 1999) and procedures outlined in that manual.

3. DEBRIS REMOVAL ACTIVITIES

Boeing plans to remove clay target debris in the former shooting range and Northern Drainage as a voluntary clean up/maintenance activity. Required permits, pre-field activities, debris removal activities, management, and confirmation sampling are described below.

3.1 Permits and Site Access

Maintenance activities performed in ephemeral streambeds in California are within the jurisdiction of the CDFG and the USACE, and as necessary, the RWQCB.

3.1.1 Streambed Alteration Agreement

In 2003, Boeing applied for and received a Streambed Alteration Agreement ([SAA] 1600-2003-5052-R5) from CDFG for the SSFL Happy Valley Interim Measures (HVIM) project. In summary, the project consisted of the removal of soil, sediment, and bedrock from the Happy Valley ephemeral drainage. These materials were primarily removed to minimize the potential for surface water coming in contact with perchlorate detected in the drainage. These actions were necessary to meet the water quality objectives as stipulated by the RWQCB in the NPDES permit for the drainage.

Due to RWQCB modifications and the subsequent re-issuance of the SSFL NPDES permit, SAA extension requests were submitted to ensure additional time was available in the event additional work was necessary to meet water quality objectives. The CDFG has approved the extension requests for the previous several years and the SAA is still active.

Clay target debris removal in the former shooting range and Northern Drainage will be conducted under an amendment to the HVIM SAA. Activities in and near the drainage will be subject to the conditions previously agreed to. On 16 August 2007, Boeing submitted a Request to Amend Lake or Streambed Alteration Agreement to CDFG. Approval of the amendment is sufficient for a 5-day notice of intent to commence activities and is expected by 14 September 2007.

3.1.2 Section 404 - Dredge and Fill Permit

The USACE is the implementing agency for permits under Section 404 of the Clean Water Act. In early August 2007, Mr. Glenn Jaffe of MWH, on behalf of Boeing, contacted Mr. Antal Szijj, of the Ventura County Field Office of the USACE to confirm the scope of work described in this plan does not require a permit. According to Mr. Szijj, since the clay target debris clean up project does not involve dredging, placement of permanent fill or other activities that could impact navigable waters of the United States, a permit from USACE is not required.

3.1.3 Section 401 – Water Quality Certification

The USEPA has delegated authority to implement Section 401 of the Clean Water Act (Water Quality Certification) to the State Water Resource Control Board. A Water Quality Certification pursuant to Section 401 of the Clean Water Act is required when the construction and/or operation of a proposed project requires a permit under Section 404 of the Clean Water Act. Since the USACE is not requiring a Section 404 permit for this work to be performed, a

Water Quality Certification pursuant to Section 401 of the Clean Water Act is not required for this project.

3.1.4 Site Access

Access to the Sage Ranch property for this project is anticipated in early September via an access agreement between Boeing and MRCA.

3.2 Utility Location

On 6 August 2007, a representative of ULS Services Corporation conducted a utility survey in the former shooting range area (see Appendix A). Based on the findings of the survey, the area contains various segments of above ground piping, irrigation lines, and conduit; however, no signals indicating active utilities were reported in the area. A storm drain was observed near the intersection of the paved road and hiking trail in the eastern portion of the former shooting range area. Utilities are not expected to be within the Northern Drainage streambed.

As required, Dig Alert will be notified and an inspection conducted before any removal or excavation occurs.

3.3 Biological Resources Survey and Installation of Protective Measures

Prior to debris removal activities, a representative of Padre Associates, Inc. (Padre) will conduct a biological survey of the former shooting range and Northern Drainage for the presence of special-status plants and wildlife.

The SAA requires that a biologist maintain field notes and submit the notes to the CDFG during the first week of operations and at the completion of the project. Padre will provide monitoring during the debris removal activities.

Sensitive plants (e.g., Santa Susana tar plant, Braunton's milk-vetch, and Plummer's Mariposa lily) will be flagged to alert workers of their presence and facilitate protection during debris removal activities. The potential presence of special-status birds, reptiles and mammals will be determined and documented. Also, in accordance with the SAA, protective temporary fencing will be placed outside of the drip lines of oak trees in the work areas consistent with the County of Ventura regulations.

3.4 Archaeological Resources Survey

Prior to debris removal activities, a representative of W and S Consultants will conduct a cultural resource survey of the former shooting range and Northern Drainage. Identified cultural resources will be protected-in-place prior to work activities.

3.5 Installation of BMPs

The SAA requires that erosion and sediment control measures be installed in the work areas of the streambed prior to commencement of removal activities. BMP designations in parentheses correspond to standard BMP descriptions from the California Stormwater BMP Handbook (CASQA, 2003) included in Appendix B. Prior to removal of non-sensitive vegetation in the former shooting range area, the following BMPs will be installed:

1. Install shaker plates at the point of vehicle entry and exit in the work areas (TC-1).

2. Install Type -3 (gravel bag barrier) storm drain inlet devices (SE-10) at the eastern storm drain inlet.

3. Install silt fencing along the north and south sides of the drainage, near the top of the banks, in the former shooting range work areas (SE-1).

Prior to work in the drainage channel, both within and downstream of the former shooting range area, a row of straw bales (SE-9) will be placed across the channel. The straw bales will be placed immediately downstream of the drainage channel work areas and removed upon completion of work.

3.6 Former Shooting Range Debris Removal

Based on the results of the laboratory analysis of soil samples and the visual survey by MWH, the areas containing high concentrations of clay target debris in the former shooting range have been identified (Figure 5). Removal of visible debris deposits will occur within the areas shown on the figures. Prior to the start of work, sensitive biological and/or archeological resources will be protected and BMPs will be installed as described above. Non-sensitive vegetation will be removed prior to debris removal.

The clay target debris deposits outside of the drainage will be flagged in the field and removed with a backhoe or front-end loader. The debris material will be scrapped away in layers, rather than excavated en mass, to minimize handling of non-impacted soil. After initial debris removal in each area, visual inspections will be conducted and any remaining debris will be collected using hand tools. The estimated volume of clay target debris and incidental soil likely to be generated in the former shooting range area is approximately 4,000 cubic yards or less.

3.7 Northern Drainage Debris Removal

Based on the results of the laboratory analysis of soil samples and the visual survey by MWH, the areas containing high concentrations of clay target debris in the Northern Drainage have been identified (Figures 5 through 7). Removal of visible clay target material is planned along the length of the drainage and within its banks. Prior to the start of work, sensitive biological and/or archeological resources will be protected and BMPs will be installed as described above.

The clay target debris deposits will be flagged in the field and removed with a vacuum truck and hand tools. The vacuum truck will have an airflow capacity of approximately 5,300 cubic feet per minute at a vacuum of approximately 28 inches of mercury. The suction hose is partially supported with a boom, and, with extensions, can reach areas approximately 250 feet from the truck. After initial debris removal in the drainage, visual inspections will be conducted and any remaining debris will be collected using hand tools. The estimated volume of clay target debris and incidental soil likely to be generated in the Northern Drainage is approximately 4,000 cubic yards or less.

3.8 Soil/Debris Management and Disposal

Clay target debris and incidental soils will be collected and loaded into trucks for disposal off-site at a licensed and Boeing-approved facility. Soil/debris staging and loading areas will be established within the work areas such that material is secured with plastic sheeting and sandbags at the end of each day, if necessary. Trucks will be decontaminated by dry-brushing prior to leaving the staging/loading areas to prevent track out. Material from the decontamination of the trucks will be collected and hauled out with the last load of debris.

The clay target debris and incidental soil material will be profiled to determine the appropriate disposal facility. A representative of Boeing will sign all waste manifests. Copies of waste manifests and weight tickets for each truckload of regulated waste, indicating that the material was received at the disposal facility, will be retained by Boeing.

3.9 Confirmation Sampling

Following removal of clay target debris in the former shooting range and Northern Drainage, existing samples or additional soil samples will be used to confirm that the target soil comparison level has been generally achieved throughout the removal areas. New or existing sample data to be used for confirmation will generally correspond to areas of high clay target debris distribution (Figures 5 through 7) and/or where pre-removal data indicates a soil PAH concentration greater than 0.90 mg/kg $B(a)P_{teq}$. It is anticipated that approximately 20 to 25 confirmation samples will be used in the former shooting range, and approximately 40 to 50 confirmation samples will be used in the Northern Drainage.

Soil samples have been and will be analyzed for PAHs using EPA Method 8270-SIM by GEL Laboratories, Inc. Based on the results of the analysis of any additional confirmation samples collected following initial removal action, additional debris removal may be warranted using the methods described in Sections 3.6 and 3.7 above. If additional work is warranted, this will be identified in the summary report provided as described below in Section 4.

4. REPORTING

Following completion of clay target debris removal activities, a summary report will be prepared. The report will include:

- Pre-removal conditions and distribution of clay target debris;
- A summary of debris removal activities;
- Tabulation of confirmation sample analytical data;
- A map showing debris removal and confirmation sample locations;
- Conclusions and recommendations;
- Chain of Custody forms and analytical laboratory reports for confirmation samples; and
- Copies of waste manifests and weight tickets from the disposal facility.

5. HEALTH AND SAFETY

A Site-specific Health and Safety Plan (HASP) will be prepared prior to the start of work and implemented during field activities. The HASP will include standard work procedures, field action levels for upgrade of personal protective equipment (PPE), field monitoring requirements, emergency procedures, and emergency contacts. A copy of the HASP will be available to all personnel participating in the debris removal activities.

6. TRANSPORTATION PLAN

Final waste characterization results for the clay target debris are pending as this work plan is being finalized. Upon completion of waste profiling and confirmation of disposal facility, a detailed Transportation Plan will be prepared and provided under separate cover.

7. SCHEDULE

Boeing estimates that field activities will begin in approximately mid- to late-September 2007, pending access agreements with MRCA and Brandies, and SAA amendment approval from CDFG. Debris removal and confirmation sampling activities are anticipated to occur over a four-week period. A summary report will be available approximately 8 weeks following completion of field activities.

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TABLE I
NORTHERN DRAINAGE SAMPLING RESULTS - JUNE TO AUGUST 2007
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Preferred Analyte	B1BS0026 B1BS0026AS01 Primary Sample 14-Aug-07	B1BS0048 B1BS0048S01 Primary Sample 31-Jul-07	LXSX0003 LXSX0003S01 Primary Sample 31-Jul-07	NDBS0076 NDBS0076AS01 Primary Sample 14-Aug-07	NDBS0076 NDBS0076S01 Primary Sample 22-Jun-07	NDBS0077 NDBS0077S01 Primary Sample 22-Jun-07	NDBS0077 NDBS0077AS01 Primary Sample 14-Aug-07	NDBS0078 NDBS0078S01 Primary Sample 26-Jul-07	NDBS0079 NDBS0079S01 Primary Sample 26-Jul-07	NDBS0080 NDBS0080S01 Primary Sample 26-Jul-07	NDBS0081 NDBS0081S01 Primary Sample 26-Jul-07
Asbestos (%)											
Amosite	NA	NA	7	NA	NA	NA	NA	NA	NA	NA	NA
Asbestos	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA
Chrysotile	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
Crocidolite	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry (%)											
Moisture	2.2	1.51	NA	NA	0.43	0.09	0.533	0.958	0.435	0.425	0.716
Metals (mg/kg)											
Aluminum	NA	10100	NA	1200 J	1450	4230 J	3660 J	NA	NA	NA	NA
Antimony	NA	0.0973 U	NA	0.386 UJ	465	NA	1.5 J	NA	NA	NA	NA
Arsenic	NA	8	NA	2.5	3.1	1.5	1.3 J	NA	NA	NA	NA
Barium	NA	64.6	NA	1.1	0.64	15.4 J	19.4 J	NA	NA	NA	NA
Beryllium	NA	0.47	NA	0.0193 U	0.0981 U	0.098	0.088	NA	NA	NA	NA
Boron	NA	2.2	NA	12.2	15.8	2.9	5.1	NA	NA	NA	NA
Cadmium	NA	0.16	NA	0.0193 U	0.0981 U	0.58	0.38 J	NA	NA	NA	NA
Chromium	NA	16.7	NA	0.193 U	0.981 U	3.3	4.8 J	NA	NA	NA	NA
Cobalt	NA	4.9	NA	0.046	0.0981 U	1.1	1.1	NA	NA	NA	NA
Copper	NA	7	NA	0.28 UJ	0.23	2.8 J	3.6 J	NA	NA	NA	NA
Lead	NA	7	NA	0.36	1.4	60 J	40 J	NA	NA	NA	NA
Mercury	NA	0.012	NA	0.00148 UJ	0.0031 J	0.00218 UJ	0.00139 UJ	NA	NA	NA	NA
Molybdenum	NA	0.82	NA	0.0965 UJ	0.0981 UJ	0.478 UJ	0.24	NA	NA	NA	NA
Nickel	NA	9.9	NA	0.3	0.49 U	6.2 J	7.3 J	NA	NA	NA	NA
Selenium	NA	0.486 U	NA	0.483 U	2.45 U	2.39 U	0.502 U	NA	NA	NA	NA
Silver	NA	0.047 J	NA	0.0386 U	0.196 U	0.191 U	0.0401 U	NA	NA	NA	NA
Thallium	NA	0.25	NA	0.0386 U	0.392 U	0.382 U	0.0401 U	NA	NA	NA	NA
Vanadium	NA	32.8	NA	0.386 U	1.96 U	4.4 J	4.1 J	NA	NA	NA	NA
Zinc	NA	48.5	NA	1.1	2.1	34.4 J	23.5 J	NA	NA	NA	NA
Metals (STLC) (mg/L)											
Antimony	NA	NA	NA	NA	63	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)											
Aroclor 1016	17 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	17 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	17 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	17 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	17 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	17 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	17 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)											
1-Methyl naphthalene	NA	16.9 U	NA	NA	33.5 U	4000 U	1340 U	16.8 U	15.7 U	16.7 U	16.8 U
2-Methylnaphthalene	NA	4.34 J	NA	NA	33.5 U	4000 U	1340 U	16.8 U	15.7 U	16.7 U	16.8 U
Acenaphthene	NA	16.9 U	NA	NA	33.5 U	58300	2880	16.8 U	15.7 U	16.7 U	16.8 U
Acenaphthylene	NA	16.9 U	NA	NA	33.5 U	4000 U	1340 U	16.8 U	15.7 U	16.7 U	16.8 U
Anthracene	NA	7.3 J	NA	NA	33.5 U	19600	20800	5.7 J	15.7 U	16.7 U	10.5 J
Benzo(a)anthracene	NA	44.9	NA	NA	33.5 U	259000	473000	86	15.7 U	16.7 U	206
Benzo(a)pyrene	NA	44.9	NA	NA	33.5 U	466000	712000	132	15.7 U	16.7 U	342
Benzo(b)fluoranthene	NA	50.1	NA	NA	33.5 U	605000	1030000	147	15.7 U	16.7 U	389
Benzo(ghi)perylene	NA	27.9	NA	NA	33.5 U	167000	306000	90.6	6.16 J	16.7 U	217
Benzo(k)fluoranthene	NA	31.6	NA	NA	33.5 U	243000	13400 U	16.8 U	15.7 U	16.7 U	148
bis(2-Ethylhexyl) phthalate	NA	18.7 UJ	NA	NA	33.5 U	4000 U	1340 U	16.8 U	15.7 U	16.7 U	16.8 U
Butyl benzyl phthalate	NA	8.27 J	NA	NA	33.5 U	4000 U	1340 U	16.8 U	15.7 U	16.7 U	16.8 U
Chrysene	NA	45.1	NA	NA	33.5 U	316000	538000	94.3	15.7 U	16.7 U	239
Dibenzo(a,h)anthracene	NA	16.9 U	NA	NA	33.5 U	4000 U	1340 U	55.1	15.7 U	16.7 U	16.8 U

TABLE I
NORTHERN DRAINAGE SAMPLING RESULTS - JUNE TO AUGUST 2007
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

	B1BS0026	B1BS0048	LXSX0003	NDBS0076	NDBS0076	NDBS0077	NDBS0077	NDBS0078	NDBS0079	NDBS0080	NDBS0081
	B1BS0026AS01	B1BS0048S01	LXSX0003S01	NDBS0076AS01	NDBS0076S01	NDBS0077S01	NDBS0077AS01	NDBS0078S01	NDBS0079S01	NDBS0080S01	NDBS0081S01
	Primary Sample	Primary Sample	Primary Sample	Primary Sample	Primary Sample	Primary Sample	Primary Sample	Primary Sample	Primary Sample	Primary Sample	Primary Sample
	14-Aug-07	31-Jul-07	31-Jul-07	14-Aug-07	22-Jun-07	22-Jun-07	14-Aug-07	26-Jul-07	26-Jul-07	26-Jul-07	26-Jul-07
Preferred Analyte											
Diethyl phthalate	NA	16.9 U	NA	NA	33.5 U	4000 U	1340 U	16.8 U	15.7 U	16.7 U	16.8 U
Dimethyl phthalate	NA	5.13 J	NA	NA	33.5 U	4000 U	1340 U	16.8 U	15.7 U	16.7 U	16.8 U
Di-n-butyl phthalate	NA	16.9 U	NA	NA	33.5 U	4000 U	1340 U	16.8 U	15.7 U	16.7 U	16.8 U
Di-n-octyl phthalate	NA	6.28 J	NA	NA	33.5 U	4000 U	1340 U	16.8 U	15.7 U	16.7 U	16.8 U
Fluoranthene	NA	48.8	NA	NA	33.5 U	227000	443000	93.7	15.7 U	16.7 U	173
Fluorene	NA	16.9 U	NA	NA	33.5 U	4000 U	1210 J	16.8 U	15.7 U	16.7 U	16.8 U
Indeno(1,2,3-cd)pyrene	NA	28.6	NA	NA	33.5 U	190000	268000	107	41.9	16.7 U	226
Naphthalene	NA	16.9 U	NA	NA	33.5 U	4000 U	1340 U	16.8 U	15.7 U	16.7 U	16.8 U
n-Nitrosodimethylamine	NA	16.9 U	NA	NA	33.5 U	4000 U	1340 U	16.8 U	15.7 U	16.7 U	16.8 U
Phenanthrene	NA	16.9 U	NA	NA	33.5 U	54000	54800	18	15.7 U	16.7 U	35.5
Pyrene	NA	60	NA	NA	33.5 U	325000	636000	98.9	15.7 U	16.7 U	206
TPH (mg/kg)											
Diesel Range Organics (C12-C14)	NA	3.38 U	NA	NA	67 U	12000 U	NA	NA	NA	NA	NA
Diesel Range Organics (C15-C20)	NA	3.38 U	NA	NA	67 U	12000 U	NA	NA	NA	NA	NA
Diesel Range Organics (C21-C30)	NA	9.55	NA	NA	37.1	108000	NA	NA	NA	NA	NA
Diesel Range Organics (C8-C11)	NA	3.38 U	NA	NA	67 U	12000 U	NA	NA	NA	NA	NA
VOCs (ug/kg)											
1,1,1,2-Tetrachloroethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	6.19 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	1.42 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl ether	NA	6.19 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	6.19 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NA	5 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromobenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE I
NORTHERN DRAINAGE SAMPLING RESULTS - JUNE TO AUGUST 2007
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

	B1BS0026 B1BS0026AS01 Primary Sample 14-Aug-07	B1BS0048 B1BS0048S01 Primary Sample 31-Jul-07	LXSX0003 LXSX0003S01 Primary Sample 31-Jul-07	NDBS0076 NDBS0076AS01 Primary Sample 14-Aug-07	NDBS0076 NDBS0076S01 Primary Sample 22-Jun-07	NDBS0077 NDBS0077S01 Primary Sample 22-Jun-07	NDBS0077 NDBS0077AS01 Primary Sample 14-Aug-07	NDBS0078 NDBS0078S01 Primary Sample 26-Jul-07	NDBS0079 NDBS0079S01 Primary Sample 26-Jul-07	NDBS0080 NDBS0080S01 Primary Sample 26-Jul-07	NDBS0081 NDBS0081S01 Primary Sample 26-Jul-07
Preferred Analyte											
cis-1,2-Dichloroethene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cumene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	6.19 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl isobutyl ketone (MIBK)	NA	6.19 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	NA	2.86 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
m-Xylene & p-Xylene	NA	2.48 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Chlorotoluene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chlorotoluene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Cymene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Dichloropropane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NA	1.24 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA

Abbreviations:
J = Estimated Detect
NA = Not Applicable or Not Available
UJ = Estimated Non Detect

Notes:

1. Data tabulated and checked by MWH Americas, Inc. Haley & Aldrich has not verified accuracy.

2. Preliminary RFI data, review and reporting ongoing. Yellow shading denotes recently received sample data that are shown as pending on Figure 4.

TABLE I
NORTHERN DRAINAGE SAMPLING RESULTS - JUNE TO AUGUST 2007
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Preferred Analyte	NDBS0082 NDBS0082S01 Primary Sample 26-Jul-07	NDBS0083 NDBS0083S01 Primary Sample 26-Jul-07	NDBS0084 NDBS0084S01 Primary Sample 26-Jul-07	NDBS0085 NDBS0085S01 Primary Sample 27-Jul-07	NDBS0086 NDBS0086S01 Primary Sample 27-Jul-07	NDBS0087 NDBS0087S01 Primary Sample 30-Jul-07	NDBS0090 NDBS0090S01 Primary Sample 26-Jul-07	NDBS0091 NDBS0091S01 Primary Sample 26-Jul-07	NDBS0092 NDBS0092S01 Primary Sample 26-Jul-07	NDBS0093 NDBS0093S01 Primary Sample 26-Jul-07	NDBS0093 NDBS0093D01 Field Duplicate 26-Jul-07 Field Duplicate of NDBS0093S01
Asbestos (%)											
Amosite	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Asbestos	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysotile	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Crocidolite	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry (%)											
Moisture	2.19	1.22	3.49	21.7	0.905	3.69	1.68	3.16	3.39	6.15	4.15
Metals (mg/kg)											
Aluminum	NA	NA	NA	NA	NA	NA	7420	10600	8230	11800	8000
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	5	5.7	4.7	8.9	7.5
Barium	NA	NA	NA	NA	NA	NA	53.9	58.5	64.7	94.9	71.2
Beryllium	NA	NA	NA	NA	NA	NA	0.36	0.43	0.41	0.62	0.48
Boron	NA	NA	NA	NA	NA	NA	1.8	1.6	5.1	2.7	2.1
Cadmium	NA	NA	NA	NA	NA	NA	0.2	0.61	0.35	0.51	0.34
Chromium	NA	NA	NA	NA	NA	NA	11.6 J	14.2 J	13.8 J	20.5 J	16.2 J
Cobalt	NA	NA	NA	NA	NA	NA	3.9 J	7 J	4.9 J	6.8 J	5.2 J
Copper	NA	NA	NA	NA	NA	NA	7.2 J	12.1 J	8.6 J	14.7 J	11 J
Lead	NA	NA	NA	NA	NA	NA	62.5 J	37.8 J	18.2 J	28.4 J	21.3 J
Mercury	NA	NA	NA	NA	NA	NA	0.0084	0.11	0.036	0.034	0.025
Molybdenum	NA	NA	NA	NA	NA	NA	0.36 UJ	0.52	0.42	1.3	0.77
Nickel	NA	NA	NA	NA	NA	NA	7.8 J	9.7 J	9 J	14.1 J	10.9 J
Selenium	NA	NA	NA	NA	NA	NA	0.499 U	0.514 U	0.516 U	0.533 U	0.517 U
Silver	NA	NA	NA	NA	NA	NA	0.06 J	0.053 J	0.06 J	0.094 J	0.071 J
Thallium	NA	NA	NA	NA	NA	NA	0.17	0.18	0.2	0.29	0.22
Vanadium	NA	NA	NA	NA	NA	NA	23.6	31	26.3	35.6	27.7
Zinc	NA	NA	NA	NA	NA	NA	44.7	110	64.1	103	76
Metals (STLC) (mg/L)											
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)											
Aroclor 1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)											
1-Methyl naphthalene	17 U	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	17 U	17.2 U	17.3 U	17.8 U	17.4 U
2-Methylnaphthalene	3.74 J	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	17 U	17.2 U	17.3 U	17.8 U	17.4 U
Acenaphthene	33.1	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	6.65 J	17.2 U	6.72 J	17.8 U	17.4 U
Acenaphthylene	17 U	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	17 U	17.2 U	17.3 U	17.8 U	17.4 U
Anthracene	17 J	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	17.5	17.2 U	3.58 J	4.12 J	17.4 U
Benzo(a)anthracene	181	16.9 U	17.3 U	20.1 J	14.6 J	17.3 U	17 U	17.2 U	33.4	17.7 J	13.6 J
Benzo(a)pyrene	428	5.46 J	17.3 U	34	16.8 U	17.3 U	18.8 J	17.2 U	17.3 U	23.5	17.4 U
Benzo(b)fluoranthene	360	9.61 J	17.3 U	36.2	16.8 U	17.3 U	80.2	17.2 U	17.3 U	17.8 U	17.4 U
Benzo(ghi)perylene	232	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	17 U	17.2 U	17.3 U	17.8 U	17.4 U
Benzo(k)fluoranthene	185	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	17 U	17.2 U	17.3 U	17.8 U	17.4 U
bis(2-Ethylhexyl) phthalate	30.1 UJ	8.74 J	21.3	28.1	42.8	17.3 U	17.3 UJ	66.3 UJ	78 UJ	72.5 UJ	59.8 UJ
Butyl benzyl phthalate	17 U	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	17 U	17.2 U	17.3 U	17.8 U	17.4 U
Chrysene	216	16.9 U	17.3 U	20 J	60.3	17.3 U	99	17.2 U	54.3	31	26
Dibenzo(a,h)anthracene	101	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	17 U	17.2 U	17.3 U	17.8 U	17.4 U

TABLE I
NORTHERN DRAINAGE SAMPLING RESULTS - JUNE TO AUGUST 2007
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Preferred Analyte	NDBS0082 NDBS0082S01 Primary Sample 26-Jul-07	NDBS0083 NDBS0083S01 Primary Sample 26-Jul-07	NDBS0084 NDBS0084S01 Primary Sample 26-Jul-07	NDBS0085 NDBS0085S01 Primary Sample 27-Jul-07	NDBS0086 NDBS0086S01 Primary Sample 27-Jul-07	NDBS0087 NDBS0087S01 Primary Sample 30-Jul-07	NDBS0090 NDBS0090S01 Primary Sample 26-Jul-07	NDBS0091 NDBS0091S01 Primary Sample 26-Jul-07	NDBS0092 NDBS0092S01 Primary Sample 26-Jul-07	NDBS0093 NDBS0093S01 Primary Sample 26-Jul-07	NDBS0093 NDBS0093D01 Field Duplicate 26-Jul-07 Field Duplicate of NDBS0093S01
Diethyl phthalate	17 U	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	17 U	17.2 U	17.3 U	17.8 U	17.4 U
Dimethyl phthalate	17 U	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	17 U	17.2 U	17.3 U	17.8 U	17.4 U
Di-n-butyl phthalate	17 U	5.13 J	7.87 J	21.3 U	16.8 U	17.3 U	17 U	17.2 U	17.3 U	29.6 UJ	22.4 UJ
Di-n-octyl phthalate	17 U	16.9 U	17.3 U	16.9 J	16.8 U	17.3 U	17 U	17.2 U	17.3 U	17.8 U	17.4 U
Fluoranthene	167	16.9 U	17.3 U	15.2 J	8.35 J	17.3 U	328	17.2 U	37.7	48.9	37.9
Fluorene	7.28 J	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	9.54 J	17.2 U	17.3 U	17.8 U	17.4 U
Indeno(1,2,3-cd)pyrene	243	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	17 U	17.2 U	17.3 U	17.8 U	17.4 U
Naphthalene	15.3 J	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	17 U	17.2 U	17.3 U	17.8 U	17.4 U
n-Nitrosodimethylamine	17 U	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	17 U	17.2 U	17.3 U	17.8 U	17.4 U
Phenanthrene	53.6	16.9 U	17.3 U	21.3 U	16.8 U	17.3 U	369	17.2 U	15.4 J	18	13.7 J
Pyrene	207	16.9 U	17.3 U	20.4 J	6.36 J	17.3 U	258	17.2 U	52.6	51.7	37.9
TPH (mg/kg)											
Diesel Range Organics (C12-C14)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (C15-C20)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (C21-C30)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (C8-C11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (ug/kg)											
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE I
NORTHERN DRAINAGE SAMPLING RESULTS - JUNE TO AUGUST 2007
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Preferred Analyte	NDBS0082 NDBS0082S01 Primary Sample 26-Jul-07	NDBS0083 NDBS0083S01 Primary Sample 26-Jul-07	NDBS0084 NDBS0084S01 Primary Sample 26-Jul-07	NDBS0085 NDBS0085S01 Primary Sample 27-Jul-07	NDBS0086 NDBS0086S01 Primary Sample 27-Jul-07	NDBS0087 NDBS0087S01 Primary Sample 30-Jul-07	NDBS0090 NDBS0090S01 Primary Sample 26-Jul-07	NDBS0091 NDBS0091S01 Primary Sample 26-Jul-07	NDBS0092 NDBS0092S01 Primary Sample 26-Jul-07	NDBS0093 NDBS0093S01 Primary Sample 26-Jul-07	NDBS0093 NDBS0093D01 Field Duplicate 26-Jul-07 Field Duplicate of NDBS0093S01
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cumene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl isobutyl ketone (MIBK)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m-Xylene & p-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Cymene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Abbreviations:
J = Estimated Detect
NA = Not Applicable or Not Available
UJ = Estimated Non Detect

Notes:

1. Data tabulated and checked by MWH Am
& Aldrich has not verified accuracy.

2. Preliminary RFI data, review and reportin
shading denotes recently received sample da
as pending on Figure 4.

TABLE I
NORTHERN DRAINAGE SAMPLING RESULTS - JUNE TO AUGUST 2007
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Preferred Analyte	NDBS0094 NDBS0094S01 Primary Sample 26-Jul-07	NDBS0095 NDBS0095S01 Primary Sample 26-Jul-07	NDBS0096 NDBS0096S01 Primary Sample 30-Jul-07	NDBS0096 NDBS0096S02 Primary Sample 30-Jul-07	NDBS0097 NDBS0097S01 Primary Sample 31-Jul-07	NDBS0098 NDBS0098S01 Primary Sample 31-Jul-07	NDBS0099 NDBS0099S01 Primary Sample 30-Jul-07	NDBS0100 NDBS0100S01 Primary Sample 30-Jul-07	NDBS0101 NDBS0101S01 Primary Sample 27-Jul-07	NDBS0102 NDBS0102S01 Primary Sample 27-Jul-07	NDBS0103 NDBS0103S01 Primary Sample 27-Jul-07
Asbestos (%)											
Amosite	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Asbestos	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysotile	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Crocidolite	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry (%)											
Moisture	2.45	2.22	1.61	3.59	2.08	1.27	1.59	2.59	1.1	0.782	2.35
Metals (mg/kg)											
Aluminum	8120	6700	10200	NA	8950	8810	9530	9640	10200	8600	9440
Antimony	1.8 J	NA	0.35 J	NA	0.102 UJ	0.101 UJ	NA	NA	0.25 J	0.36 J	0.102 UJ
Arsenic	6.5	4	6.9	NA	4.7	3.4	6.7	4.1	6.2	3.3	7.3
Barium	66.5	35.4	129	NA	65.1	85.7	93.6	115	80.1	58.4	74.3
Beryllium	0.45	0.49	0.58	NA	0.48	0.48	0.48	0.69	0.54	0.42	0.51
Boron	1.7	1.9	7.9	NA	1.5	1.3	1.9	2	1.7	1.9	2.5
Cadmium	0.4	0.17	0.73	NA	0.2	0.22	0.36	0.32	0.27	0.22	0.43
Chromium	15.6 J	10.9 J	21.4	NA	23.1	12.7	15.7	25.4	18.4	12.1	16.6
Cobalt	4.7 J	2.9 J	6.6	NA	7.5	4.1	4.5	7.5	5.3	3.9	5.6
Copper	10.8 J	6.7 J	30.7	NA	11.9	6.1	8	14.8	9.4	6.3	12.5
Lead	319 J	40.1 J	53.3	NA	19.6	18.4	178	67.2	104	245	21.6
Mercury	0.024	0.013	0.076	NA	0.023	0.022	0.04	0.018	0.016 J	0.011 J	0.042 J
Molybdenum	0.62	0.26 UJ	0.61	NA	0.36	0.47	0.5	0.43	0.44	0.48	0.64
Nickel	10 J	5.5 J	15.9 J	NA	19.5	8.6	10.6 J	18.9 J	12.4	8.9	10.9
Selenium	0.506 U	0.505 U	0.493 U	NA	0.51 U	0.503 U	0.493 U	0.506 U	0.5 U	0.482 U	0.508 U
Silver	0.072 J	0.06 J	4.1	NA	0.0408 U	0.048 J	0.17	0.059 J	0.081 J	0.056 J	0.078 J
Thallium	0.21	0.15 J	0.29	NA	0.27	0.24	0.26	0.28	0.24	0.18	0.23
Vanadium	28.6	19.1	33.7	NA	37.3	26.1	32.1	38.8	33.5	24.1	33.2
Zinc	84.8	39.4	80.2	NA	57	50.6	61.1	78	56.6	39.4	106
Metals (STLC) (mg/L)											
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)											
Aroclor 1016	NA	NA	3.39 UJ	NA	34 U	3.38 U	NA	NA	NA	NA	NA
Aroclor 1221	NA	NA	3.39 UJ	NA	34 U	3.38 U	NA	NA	NA	NA	NA
Aroclor 1232	NA	NA	3.39 UJ	NA	34 U	3.38 U	NA	NA	NA	NA	NA
Aroclor 1242	NA	NA	3.39 UJ	NA	34 U	3.38 U	NA	NA	NA	NA	NA
Aroclor 1248	NA	NA	3.39 UJ	NA	34 U	3.38 U	NA	NA	NA	NA	NA
Aroclor 1254	NA	NA	3.39 UJ	NA	34 U	3.38 U	NA	NA	NA	NA	NA
Aroclor 1260	NA	NA	3.39 UJ	NA	34 U	3.38 U	NA	NA	NA	NA	NA
SVOCs (ug/kg)											
1-Methyl naphthalene	17.1 U	17 U	1690 U	17.3 U	1700 U	16.9 U	16.9 U	17.1 U	16.9 U	16.8 U	17.1 U
2-Methylnaphthalene	17.1 U	17 U	1690 U	17.3 U	1030 J	16.9 U	16.9 U	17.1 U	16.9 U	16.8 U	17.1 U
Acenaphthene	17.1 U	17 U	2530	17.3 U	2700	16.9 U	16.9 U	17.1 U	16.9 U	7.33 J	17.1 U
Acenaphthylene	17.1 U	17 U	1690 U	17.3 U	1700 U	16.9 U	16.9 U	17.1 U	16.9 U	16.8 U	17.1 U
Anthracene	17.1 U	4.29 J	5460	17.3 U	9360	16.9 U	16.9 U	17.1 U	16.9 U	8.07 J	4.03 J
Benzo(a)anthracene	17.1 U	17 U	50000	48.7	57500	14.7 J	14.9 J	8.9 J	35.4	96.8	26.1
Benzo(a)pyrene	17.1 U	17 U	72300	74.8	86700	21.4	29.3	13.7 J	64.9	190	17.1 U
Benzo(b)fluoranthene	17.1 U	17 U	81300	112	86500	25.5	31.9	13.5 J	88.2	267	17.1 U
Benzo(ghi)perylene	17.1 U	17 U	21700	33.7	50200	11.2 J	16.7 J	17.1 U	42.4	129	17.1 U
Benzo(k)fluoranthene	17.1 U	17 U	43300	17.3 U	1700 U	9.54 J	16.9 U	9.87 J	16.9 U	16.8 U	17.1 U
bis(2-Ethylhexyl) phthalate	24.1 UJ	21.8 UJ	1690 U	17.3 U	1700 U	12.7 U	16.9 U	17.1 U	15.5 J	29.1	137
Butyl benzyl phthalate	17.1 U	17 U	1690 U	17.3 U	1700 U	12.9 J	16.9 U	17.1 U	16.9 U	16.8 U	17.1 U
Chrysene	17.1 U	31.3	52600	48.9	67500	15.2 J	19.4	7.68 J	44.9	121	41.8
Dibenzo(a,h)anthracene	17.1 U	17 U	10900	17.3 U	1700 U	16.9 U	16.9 U	17.1 U	16.9 U	16.8 U	17.1 U

TABLE I
NORTHERN DRAINAGE SAMPLING RESULTS - JUNE TO AUGUST 2007
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Preferred Analyte	NDBS0094 NDBS0094S01 Primary Sample 26-Jul-07	NDBS0095 NDBS0095S01 Primary Sample 26-Jul-07	NDBS0096 NDBS0096S01 Primary Sample 30-Jul-07	NDBS0096 NDBS0096S02 Primary Sample 30-Jul-07	NDBS0097 NDBS0097S01 Primary Sample 31-Jul-07	NDBS0098 NDBS0098S01 Primary Sample 31-Jul-07	NDBS0099 NDBS0099S01 Primary Sample 30-Jul-07	NDBS0100 NDBS0100S01 Primary Sample 30-Jul-07	NDBS0101 NDBS0101S01 Primary Sample 27-Jul-07	NDBS0102 NDBS0102S01 Primary Sample 27-Jul-07	NDBS0103 NDBS0103S01 Primary Sample 27-Jul-07
Diethyl phthalate	17.1 U	17 U	1690 U	17.3 U	1700 U	7.22 U	16.9 U	17.1 U	5.56 J	16.8 U	17.1 U
Dimethyl phthalate	17.1 U	17 U	1690 U	17.3 U	1700 U	16.9 U	16.9 U	17.1 U	16.9 U	16.8 U	17.1 U
Di-n-butyl phthalate	17.1 U	17 U	1690 U	17.3 U	1700 U	16.9 U	16.9 U	17.1 U	16.9 U	16.8 U	17.1 U
Di-n-octyl phthalate	17.1 U	17 U	1690 U	17.3 U	1700 U	16.9 U	16.9 U	17.1 U	43.8	42.6	37.5
Fluoranthene	7.81 J	29.1	55300	49.1	51500	12.9 J	12.4 J	6.42 J	35.1	98.1	63.8
Fluorene	17.1 U	17 U	765 J	17.3 U	1700 U	16.9 U	16.9 U	17.1 U	16.9 U	16.8 U	17.1 U
Indeno(1,2,3-cd)pyrene	17.1 U	17 U	25100	70.6	45700	12.8 J	55.8	17.1 U	74.8	140	17.1 U
Naphthalene	17.1 U	17 U	1690 U	17.3 U	1700 U	16.9 U	16.9 U	17.1 U	16.9 U	16.8 U	17.1 U
n-Nitrosodimethylamine	17.1 U	17 U	1690 U	17.3 U	1700 U	16.9 U	16.9 U	17.1 U	16.9 U	16.8 U	17.1 U
Phenanthrene	17.1 U	5.79 J	15900	10.3 J	9620	16.9 U	16.9 U	17.1 U	9.06 J	20.8	22
Pyrene	7.21 J	34.4	76800	62.5	61600	14.2 J	15.6 J	8.08 J	49.2	137	78.7
TPH (mg/kg)											
Diesel Range Organics (C12-C14)	NA	NA	NA	NA	136 U	3.38 U	NA	NA	NA	NA	NA
Diesel Range Organics (C15-C20)	NA	NA	41.1 J	NA	136 U	3.38 U	NA	NA	NA	NA	NA
Diesel Range Organics (C21-C30)	NA	NA	961 J	NA	869	1.89 J	NA	NA	NA	NA	NA
Diesel Range Organics (C8-C11)	NA	NA	NA	NA	136 U	3.38 U	NA	NA	NA	NA	NA
VOCs (ug/kg)											
1,1,1,2-Tetrachloroethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	6.35 UJ	NA	5.94 UJ	6.49 UJ	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	1.27 UJ	NA	1.24 J	0.871 J	NA	NA	NA	NA	NA
1,1-Dichloropropene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,2-Dibromoethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,3-Dichloropropane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	0.266 J	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
2-Chloroethylvinyl ether	NA	NA	6.35 UJ	NA	5.94 UJ	6.49 UJ	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	6.35 UJ	NA	5.94 UJ	6.49 UJ	NA	NA	NA	NA	NA
Acetone	NA	NA	37.4 J	NA	13.2 J	14.6 J	NA	NA	NA	NA	NA
Benzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Bromobenzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Bromochloromethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Bromoform	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Bromomethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Chloroethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Chloroform	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Chloromethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA

TABLE I
NORTHERN DRAINAGE SAMPLING RESULTS - JUNE TO AUGUST 2007
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Preferred Analyte	NDBS0094 NDBS0094S01 Primary Sample 26-Jul-07	NDBS0095 NDBS0095S01 Primary Sample 26-Jul-07	NDBS0096 NDBS0096S01 Primary Sample 30-Jul-07	NDBS0096 NDBS0096S02 Primary Sample 30-Jul-07	NDBS0097 NDBS0097S01 Primary Sample 31-Jul-07	NDBS0098 NDBS0098S01 Primary Sample 31-Jul-07	NDBS0099 NDBS0099S01 Primary Sample 30-Jul-07	NDBS0100 NDBS0100S01 Primary Sample 30-Jul-07	NDBS0101 NDBS0101S01 Primary Sample 27-Jul-07	NDBS0102 NDBS0102S01 Primary Sample 27-Jul-07	NDBS0103 NDBS0103S01 Primary Sample 27-Jul-07
cis-1,2-Dichloroethene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Cumene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Dibromomethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Methyl ethyl ketone	NA	NA	5.52 J	NA	5.94 UJ	2.3 J	NA	NA	NA	NA	NA
Methyl isobutyl ketone (MIBK)	NA	NA	6.35 UJ	NA	5.94 UJ	6.49 UJ	NA	NA	NA	NA	NA
Methyl tert-butyl ether	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Methylene chloride	NA	NA	6.35 UJ	NA	3.71 J	6.49 UJ	NA	NA	NA	NA	NA
m-Xylene & p-Xylene	NA	NA	2.54 UJ	NA	2.37 UJ	2.6 UJ	NA	NA	NA	NA	NA
Naphthalene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
o-Chlorotoluene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
o-Xylene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
p-Chlorotoluene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
p-Cymene	NA	NA	0.461 J	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
sec-Dichloropropane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Styrene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
tert-Butylbenzene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Toluene	NA	NA	7.97 J	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA
Vinyl chloride	NA	NA	1.27 UJ	NA	1.19 UJ	1.3 UJ	NA	NA	NA	NA	NA

Abbreviations:
J = Estimated Detect
NA = Not Applicable or Not Available
UJ = Estimated Non Detect

Notes:

1. Data tabulated and checked by MWH Am
& Aldrich has not verified accuracy.

2. Preliminary RFI data, review and reportin
shading denotes recently received sample da
as pending on Figure 4.

TABLE I
NORTHERN DRAINAGE SAMPLING RESULTS - JUNE TO AUGUST 2007
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Preferred Analyte	NDBS0104 NDBS0104S01 Primary Sample 30-Jul-07	NDBS0105 NDBS0105S01 Primary Sample 27-Jul-07	NDBS0106 NDBS0106S01 Primary Sample 30-Jul-07	NDBS0106 NDBS0106S02 Primary Sample 30-Jul-07	NDBS0108 NDBS0108S01 Primary Sample 31-Jul-07	NDBS0108 NDBS0108D01 Field Duplicate 31-Jul-07 Field Duplicate of NDBS0108S01	NDBS0109 NDBS0109S01 Primary Sample 31-Jul-07	NDBS0110 NDBS0110S01 Primary Sample 31-Jul-07	NDBS0111 NDBS0111S01 Primary Sample 31-Jul-07	NDBS0112 NDBS0112S01 Primary Sample 31-Jul-07	NDBS0113 NDBS0113S01 Primary Sample 31-Jul-07
Asbestos (%)											
Amosite	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Asbestos	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysotile	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Crocidolite	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry (%)											
Moisture	3.64	3.62	2.87	5.52	7.14	6.81	3.32	3.83	4.49	0.973	38.1
Metals (mg/kg)											
Aluminum	7440	7080	9310	12200	12400	11900	11300	10300	12400	NA	NA
Antimony	NA	0.24 J	NA	NA	0.105 U	0.105 U	0.0991 U	0.104 U	0.101 U	NA	NA
Arsenic	7.1	6.9	7.2	16 J	6.4	5.2	15.1	4.2	7.2	NA	NA
Barium	72.7	75.8	70.1	77.3	62.7	57.6	93.3	77.5	108	NA	NA
Beryllium	0.44	0.66	0.55	0.64 J	1.2	1.1	0.56	0.39	0.75	NA	NA
Boron	3.3	1.2	2.5	1.1	1.07 U	1.06 U	1.3	1.9	2.6	NA	NA
Cadmium	0.4	0.28	0.21	0.13	0.16	0.13 J	0.18	0.2	0.25	NA	NA
Chromium	16.9	17.5	21.6	18.9 J	29.2	26.3	15.8	14	21.8	NA	NA
Cobalt	5.4	5.1	6.8	6 J	5.8	7.7	4.8	4.6	6.8	NA	NA
Copper	11.5	9.4	14.6	8.6 J	12.4	11.2	5.8	6.1	11.5	NA	NA
Lead	12.3	106	57.9	11.7 J	8.2	7.7	6.8	5.8	8.9	NA	NA
Mercury	0.019	0.033 J	0.022	0.015	0.016	0.012	0.015	0.01	0.021	NA	NA
Molybdenum	0.55	0.55	0.59	0.51	0.21	0.28	0.51	0.43	0.76	NA	NA
Nickel	11.9 J	11.5	12.8	12.4 J	17.5	41.7	9.8	9.8	16.2	NA	NA
Selenium	0.513 U	0.509 U	0.494 U	0.521 UJ	0.527 U	0.527 U	0.495 U	0.518 U	0.505 U	NA	NA
Silver	0.045 J	0.073 J	0.043 J	0.053	0.087 J	0.07 J	0.066 J	0.043 J	0.053 J	NA	NA
Thallium	0.19	0.23	0.28	0.34 J	0.26	0.24	0.26	0.25	0.33	NA	NA
Vanadium	32.4	36.2	35.5	33.2	46.9	40.8	36.1	30.5	36.9	NA	NA
Zinc	55.8	64.1	64.2	47.1	49.3	44.8	51.1	53.5	59.4	NA	NA
Metals (STLC) (mg/L)											
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)											
Aroclor 1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)											
1-Methyl naphthalene	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	26.9 U
2-Methylnaphthalene	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	26.9 U
Acenaphthene	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	26.9 U
Acenaphthylene	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	26.9 U
Anthracene	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	26.9 U
Benzo(a)anthracene	17.3 U	12.5 J	11.5 J	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	80.6	26.9 U
Benzo(a)pyrene	17.3 U	17.3 U	17.4 J	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	122	26.9 U
Benzo(b)fluoranthene	17.3 U	17.3 U	29.3	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	137	26.9 U
Benzo(ghi)perylene	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	112	26.9 U
Benzo(k)fluoranthene	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	50.1	26.9 U
bis(2-Ethylhexyl) phthalate	99	32.4	19.5	NA	90.2	30.8 UJ	18.6 UJ	17.4 UJ	17.4 U	52.2 UJ	73 UJ
Butyl benzyl phthalate	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	26.9 U
Chrysene	17.3 U	19.1	10.7 J	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	96.7	26.9 U
Dibenzo(a,h)anthracene	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	26.9 U

TABLE I
NORTHERN DRAINAGE SAMPLING RESULTS - JUNE TO AUGUST 2007
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Preferred Analyte	NDBS0104 NDBS0104S01 Primary Sample 30-Jul-07	NDBS0105 NDBS0105S01 Primary Sample 27-Jul-07	NDBS0106 NDBS0106S01 Primary Sample 30-Jul-07	NDBS0106 NDBS0106S02 Primary Sample 30-Jul-07	NDBS0108 NDBS0108S01 Primary Sample 31-Jul-07	NDBS0108 NDBS0108D01 Field Duplicate 31-Jul-07 Field Duplicate of NDBS0108S01	NDBS0109 NDBS0109S01 Primary Sample 31-Jul-07	NDBS0110 NDBS0110S01 Primary Sample 31-Jul-07	NDBS0111 NDBS0111S01 Primary Sample 31-Jul-07	NDBS0112 NDBS0112S01 Primary Sample 31-Jul-07	NDBS0113 NDBS0113S01 Primary Sample 31-Jul-07
Diethyl phthalate	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	26.9 U
Dimethyl phthalate	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	26.9 U
Di-n-butyl phthalate	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	30.2
Di-n-octyl phthalate	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	26.9 U
Fluoranthene	17.3 U	17 J	12.5 J	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	80.4	26.9 U
Fluorene	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	26.9 U
Indeno(1,2,3-cd)pyrene	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	104	26.9 U
Naphthalene	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	26.9 U
n-Nitrosodimethylamine	17.3 U	17.3 U	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	16.8 U	26.9 U
Phenanthrene	17.3 U	5.19 J	17.2 U	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	8.71 J	26.9 U
Pyrene	17.3 U	20.1	12.4 J	NA	17.9 U	17.9 U	17.2 U	17.3 U	17.4 U	87	26.9 U
TPH (mg/kg)											
Diesel Range Organics (C12-C14)	NA	3.46 U	6.86 U	NA	3.59 U	3.58 U	3.45 U	3.47 U	3.49 U	NA	NA
Diesel Range Organics (C15-C20)	NA	3.46 U	6.86 U	NA	3.59 U	3.58 U	3.45 U	3.47 U	3.49 U	NA	NA
Diesel Range Organics (C21-C30)	NA	10.5	17.2	NA	3.59 U	2.07 J	2.99 J	2.04 J	6.1	NA	NA
Diesel Range Organics (C8-C11)	NA	3.46 U	6.86 U	NA	3.59 U	3.58 U	3.45 U	3.47 U	3.49 U	NA	NA
VOCs (ug/kg)											
1,1,1,2-Tetrachloroethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,1,1-Trichloroethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,1,2,2-Tetrachloroethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	6.48 UJ	6.43 UJ	NA	4.9 UJ	5.06 UJ	5.39 UJ	5.1 UJ	6.09 UJ	NA	NA
1,1,2-Trichloroethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,1-Dichloroethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,1-Dichloroethene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	0.324 J	1.02 UJ	1.22 UJ	NA	NA
1,1-Dichloropropene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,2,3-Trichlorobenzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,2,3-Trichloropropane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,2,4-Trichlorobenzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,2,4-Trimethylbenzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,2-Dibromo-3-chloropropane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,2-Dibromoethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,2-Dichlorobenzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,2-Dichloroethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,2-Dichloropropane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,3,5-Trimethylbenzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,3-Dichlorobenzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,3-Dichloropropane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
1,4-Dichlorobenzene	NA	0.676 J	0.444 J	NA	0.979 UJ	1.01 UJ	0.662 J	0.31 J	1.22 UJ	NA	NA
2-Chloroethylvinyl ether	NA	6.48 UJ	6.43 UJ	NA	4.9 UJ	5.06 UJ	5.39 UJ	5.1 UJ	6.09 UJ	NA	NA
2-Hexanone	NA	6.48 UJ	6.43 UJ	NA	4.9 UJ	5.06 UJ	5.39 UJ	5.1 UJ	6.09 UJ	NA	NA
Acetone	NA	6.48 UJ	23.6 J	NA	20.8 J	10.8 J	20.1 J	6.62 J	23.1 J	NA	NA
Benzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Bromobenzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Bromochloromethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Bromodichloromethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Bromoform	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Bromomethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Carbon Tetrachloride	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Chlorobenzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Chloroethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Chloroform	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Chloromethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA

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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Preferred Analyte	NDBS0104 NDBS0104S01 Primary Sample 30-Jul-07	NDBS0105 NDBS0105S01 Primary Sample 27-Jul-07	NDBS0106 NDBS0106S01 Primary Sample 30-Jul-07	NDBS0106 NDBS0106S02 Primary Sample 30-Jul-07	NDBS0108 NDBS0108S01 Primary Sample 31-Jul-07	NDBS0108 NDBS0108D01 Field Duplicate 31-Jul-07 Field Duplicate of NDBS0108S01	NDBS0109 NDBS0109S01 Primary Sample 31-Jul-07	NDBS0110 NDBS0110S01 Primary Sample 31-Jul-07	NDBS0111 NDBS0111S01 Primary Sample 31-Jul-07	NDBS0112 NDBS0112S01 Primary Sample 31-Jul-07	NDBS0113 NDBS0113S01 Primary Sample 31-Jul-07
cis-1,2-Dichloroethene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
cis-1,3-Dichloropropene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Cumene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Dibromochloromethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Dibromomethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Dichlorodifluoromethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Ethylbenzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Hexachlorobutadiene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Methyl ethyl ketone	NA	6.48 UJ	3.25 J	NA	4.9 UJ	5.06 UJ	5.39 UJ	5.1 UJ	6.09 UJ	NA	NA
Methyl isobutyl ketone (MIBK)	NA	6.48 UJ	6.43 UJ	NA	4.9 UJ	5.06 UJ	5.39 UJ	5.1 UJ	6.09 UJ	NA	NA
Methyl tert-butyl ether	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Methylene chloride	NA	6.48 UJ	6.43 UJ	NA	4.9 UJ	5.06 UJ	5.39 UJ	5.1 UJ	6.09 UJ	NA	NA
m-Xylene & p-Xylene	NA	2.59 UJ	0.383 J	NA	1.96 UJ	2.02 UJ	2.15 UJ	2.04 UJ	2.43 UJ	NA	NA
Naphthalene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
n-Butylbenzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
n-Propylbenzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
o-Chlorotoluene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
o-Xylene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
p-Chlorotoluene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
p-Cymene	NA	1.3 UJ	0.414 J	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
sec-Butylbenzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
sec-Dichloropropane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Styrene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
tert-Butylbenzene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Tetrachloroethene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Toluene	NA	1.3 UJ	0.534 J	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
trans-1,2-Dichloroethene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
trans-1,3-Dichloropropene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Trichloroethene	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Trichlorofluoromethane	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA
Vinyl chloride	NA	1.3 UJ	1.29 UJ	NA	0.979 UJ	1.01 UJ	1.08 UJ	1.02 UJ	1.22 UJ	NA	NA

Abbreviations:
J = Estimated Detect
NA = Not Applicable or Not Available
UJ = Estimated Non Detect

Notes:

1. Data tabulated and checked by MWH Am
& Aldrich has not verified accuracy.

2. Preliminary RFI data, review and reportin
shading denotes recently received sample da
as pending on Figure 4.

TABLE I
NORTHERN DRAINAGE SAMPLING RESULTS - JUNE TO AUGUST 2007
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

	NDBS0114 NDBS0114S01 Primary Sample 30-Jul-07	NDBS0121 NDBS0121S01 Primary Sample 14-Aug-07	NDBS0122 NDBS0122S01 Primary Sample 14-Aug-07	NDBS0123 NDBS0123S01 Primary Sample 14-Aug-07	NDBS0124 NDBS0124S01 Primary Sample 14-Aug-07	NDBS0124 NDBS0124D01 Field Duplicate 14-Aug-07 Field Duplicate of NDBS0124S01	NDBS0125 NDBS0125S01 Primary Sample 14-Aug-07	NDBS0126 NDBS0126S01 Primary Sample 14-Aug-07	NDBS0127 NDBS0127S01 Primary Sample 14-Aug-07	NDBS0128 NDBS0128S01 Primary Sample 14-Aug-07	NDBS0129 NDBS0129S01 Primary Sample 14-Aug-07	NDBS0130 NDBS0130S01 Primary Sample 14-Aug-07
Preferred Analyte												
Asbestos (%)												
Amosite	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Asbestos	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysotile	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Crocidolite	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry (%)												
Moisture	1.31	4.2	2.68	13.5	2.3	2.18	4.07	1.8	2.16	2.84	1.32	2.14
Metals (mg/kg)												
Aluminum	5830	NA	NA	6830	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	NA	NA	NA	0.114 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	6.9	NA	NA	0.343 U	NA	NA	NA	NA	NA	NA	NA	NA
Barium	52.9	NA	NA	7.9	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	0.29	NA	NA	0.045	NA	NA	NA	NA	NA	NA	NA	NA
Boron	1.2	NA	NA	1.14 U	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.98	NA	NA	0.29	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	12	NA	NA	1.9	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	3.2	NA	NA	2.2	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10.9	NA	NA	1.5	NA	NA	NA	NA	NA	NA	NA	NA
Lead	23.8	NA	NA	1.2	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.19	NA	NA	0.024 J	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	0.36	NA	NA	0.11	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	7.6 J	NA	NA	2.1	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.491 U	NA	NA	0.571 U	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.085 J	NA	NA	0.89	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.18	NA	NA	0.0457 U	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	17.1	NA	NA	2.8	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	128	NA	NA	11.3	NA	NA	NA	NA	NA	NA	NA	NA
Metals (STLC) (mg/L)												
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/kg)												
Aroclor 1016	6.76 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	6.76 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	6.76 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	6.76 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	6.76 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	52.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	28.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (ug/kg)												
1-Methyl naphthalene	16.9 U	17.4 U	17.1 U	77 U	17.1 U	17 U	69.5 U	17 U	17 U	17.2 U	16.9 U	17 U
2-Methylnaphthalene	16.9 U	17.4 U	17.1 U	77 U	17.1 U	17 U	69.5 U	17 U	17 U	17.2 U	16.9 U	17 U
Acenaphthene	16.9 U	17.4 U	17.1 U	467	10.3 J	7.98 J	35.1 J	17 U	20	12.5 J	16.9 U	17 U
Acenaphthylene	16.9 U	17.4 U	17.1 U	77 U	17.1 U	17 U	69.5 U	17 U	17 U	17.2 U	16.9 U	17 U
Anthracene	7.68 J	17.4 U	17.1 U	1840	11.9 J	8.4 J	43.4 J	17 U	9.6 J	11.2 J	16.9 U	17 U
Benzo(a)anthracene	114	6.35 J	17.1 U	17100	233	130	889 J	17 U	136	152	16.9 U	17 U
Benzo(a)pyrene	184	11.6 J	17.1 U	18700	356	216	1430 J	17 U	297	252	16.9 U	17 U
Benzo(b)fluoranthene	324	13.3 J	17.1 U	26900	527	330	2070 J	17 U	404	358	16.9 U	17 U
Benzo(ghi)perylene	88.1	17.4 U	17.1 U	6800	215	125	975 J	17 U	199	141	16.9 U	17 U
Benzo(k)fluoranthene	16.9 U	17.4 U	17.1 U	77 U	17.1 U	17 U	69.5 U	17 U	17 U	17.2 U	16.9 U	17 U
bis(2-Ethylhexyl) phthalate	395	38.7 UJ	22.9 UJ	77 U	47.1 UJ	40.8 UJ	114 UJ	41.1 UJ	55.5 UJ	119 UJ	33.9 UJ	36.1 UJ
Butyl benzyl phthalate	102	17.4 U	17.1 U	77 U	17.1 U	17 U	69.5 U	17 U	17 U	17.2 U	9.02 J	17 U
Chrysene	155	6.47 J	17.1 U	17400	245	156	1070 J	17 U	186	163	16.9 U	17 U
Dibenzo(a,h)anthracene	16.9 U	17.4 U	17.1 U	77 U	17.1 U	17 U	69.5 U	17 U	17 U	17.2 U	16.9 U	17 U

TABLE I
NORTHERN DRAINAGE SAMPLING RESULTS - JUNE TO AUGUST 2007
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Preferred Analyte	NDBS0114 NDBS0114S01 Primary Sample 30-Jul-07	NDBS0121 NDBS0121S01 Primary Sample 14-Aug-07	NDBS0122 NDBS0122S01 Primary Sample 14-Aug-07	NDBS0123 NDBS0123S01 Primary Sample 14-Aug-07	NDBS0124 NDBS0124S01 Primary Sample 14-Aug-07	NDBS0124 NDBS0124D01 Field Duplicate 14-Aug-07 Field Duplicate of NDBS0124S01	NDBS0125 NDBS0125S01 Primary Sample 14-Aug-07	NDBS0126 NDBS0126S01 Primary Sample 14-Aug-07	NDBS0127 NDBS0127S01 Primary Sample 14-Aug-07	NDBS0128 NDBS0128S01 Primary Sample 14-Aug-07	NDBS0129 NDBS0129S01 Primary Sample 14-Aug-07	NDBS0130 NDBS0130S01 Primary Sample 14-Aug-07
Diethyl phthalate	16.9 U	17.4 U	17.1 U	77 U	17.1 U	17 U	69.5 U	17 U	17 U	17.2 U	16.9 U	17 U
Dimethyl phthalate	16.9 U	17.4 U	17.1 U	77 U	17.1 U	17 U	69.5 U	17 U	17 U	17.2 U	16.9 U	17 U
Di-n-butyl phthalate	83.3	17.4 U	17.1 U	77 U	17.1 U	17 U	69.5 U	17 U	17 U	17.2 U	16.9 U	17 U
Di-n-octyl phthalate	16.9 U	17.4 U	17.1 U	77 U	17.1 U	17 U	69.5 U	17 U	17 U	17.2 U	16.9 U	17 U
Fluoranthene	150	17.4 U	17.1 U	19900	196	134	745 J	17 U	132	145	16.9 U	17 U
Fluorene	16.9 U	17.4 U	17.1 U	124	17.1 U	17 U	69.5 U	17 U	17 U	17.2 U	16.9 U	17 U
Indeno(1,2,3-cd)pyrene	111	17.4 U	17.1 U	6330	176	107	801 J	17 U	169	110	16.9 U	17 U
Naphthalene	16.9 U	17.4 U	17.1 U	23.2 J	17.1 U	17 U	69.5 U	17 U	17 U	17.2 U	16.9 U	17 U
n-Nitrosodimethylamine	16.9 U	17.4 U	17.1 U	77 U	17.1 U	17 U	69.5 U	17 U	17 U	17.2 U	16.9 U	17 U
Phenanthrene	39.8	17.4 U	17.1 U	4530	42.4	27.9	148 J	17 U	33.6	38.9	16.9 U	17 U
Pyrene	161	6.31 J	17.1 U	25300	297	179	1390 J	17 U	200	190	16.9 U	17 U
TPH (mg/kg)												
Diesel Range Organics (C12-C14)	33.8 U	NA	NA	38.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (C15-C20)	33.8 U	NA	NA	38.5 U	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (C21-C30)	76.6	NA	NA	327	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (C8-C11)	33.8 U	NA	NA	38.5 U	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (ug/kg)												
1,1,1,2-Tetrachloroethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	6.33 UJ	NA	NA	7.81 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	1.19 J	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	0.634 J	NA	NA	0.785 J	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl ether	6.33 UJ	NA	NA	7.81 UJ	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	6.33 UJ	NA	NA	7.81 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	15.2 J	NA	NA	9.86 J	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Bromobenzene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA

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	NDBS0114 NDBS0114S01 Primary Sample 30-Jul-07	NDBS0121 NDBS0121S01 Primary Sample 14-Aug-07	NDBS0122 NDBS0122S01 Primary Sample 14-Aug-07	NDBS0123 NDBS0123S01 Primary Sample 14-Aug-07	NDBS0124 NDBS0124S01 Primary Sample 14-Aug-07	NDBS0124 NDBS0124D01 Field Duplicate 14-Aug-07	NDBS0125 NDBS0125S01 Primary Sample 14-Aug-07	NDBS0126 NDBS0126S01 Primary Sample 14-Aug-07	NDBS0127 NDBS0127S01 Primary Sample 14-Aug-07	NDBS0128 NDBS0128S01 Primary Sample 14-Aug-07	NDBS0129 NDBS0129S01 Primary Sample 14-Aug-07	NDBS0130 NDBS0130S01 Primary Sample 14-Aug-07
Preferred Analyte						Field Duplicate of NDBS0124S01						
cis-1,2-Dichloroethene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Cumene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1.27 UJ	NA	NA	0.34 J	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	6.33 UJ	NA	NA	7.81 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Methyl isobutyl ketone (MIBK)	6.33 UJ	NA	NA	7.81 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	6.33 UJ	NA	NA	9.36 J	NA	NA	NA	NA	NA	NA	NA	NA
m-Xylene & p-Xylene	2.53 UJ	NA	NA	0.855 J	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
o-Chlorotoluene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	1.27 UJ	NA	NA	0.432 J	NA	NA	NA	NA	NA	NA	NA	NA
p-Chlorotoluene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
p-Cymene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
sec-Dichloropropane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1.27 UJ	NA	NA	28 J	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	1.27 UJ	NA	NA	1.56 UJ	NA	NA	NA	NA	NA	NA	NA	NA

Abbreviations:
J = Estimated Detect
NA = Not Applicable or Not Available
UJ = Estimated Non Detect

Notes:

1. Data tabulated and checked by MWH Am
& Aldrich has not verified accuracy.

2. Preliminary RFI data, review and reportin
shading denotes recently received sample da
as pending on Figure 4.

UNDEVELOPED LAND

FORMER SHOOTING RANGE / NORTHERN DRAINAGE AREA

UNDEVELOPED LAND

AREA IV

AREA III

AREA II

AREA I

UNDEVELOPED LAND

Please Note: The original version of this figure includes colorized features and shading. A black and white copy of the figure should not be used because it may not accurately represent the information presented.

LEGEND

PROPERTY BOUNDARY LINE

FORMER SHOOTING RANGE/ NORTHERN DRAINAGE

N

W E

S

0 1700 3400

SCALE IN FEET

HALEY & ALDRICH

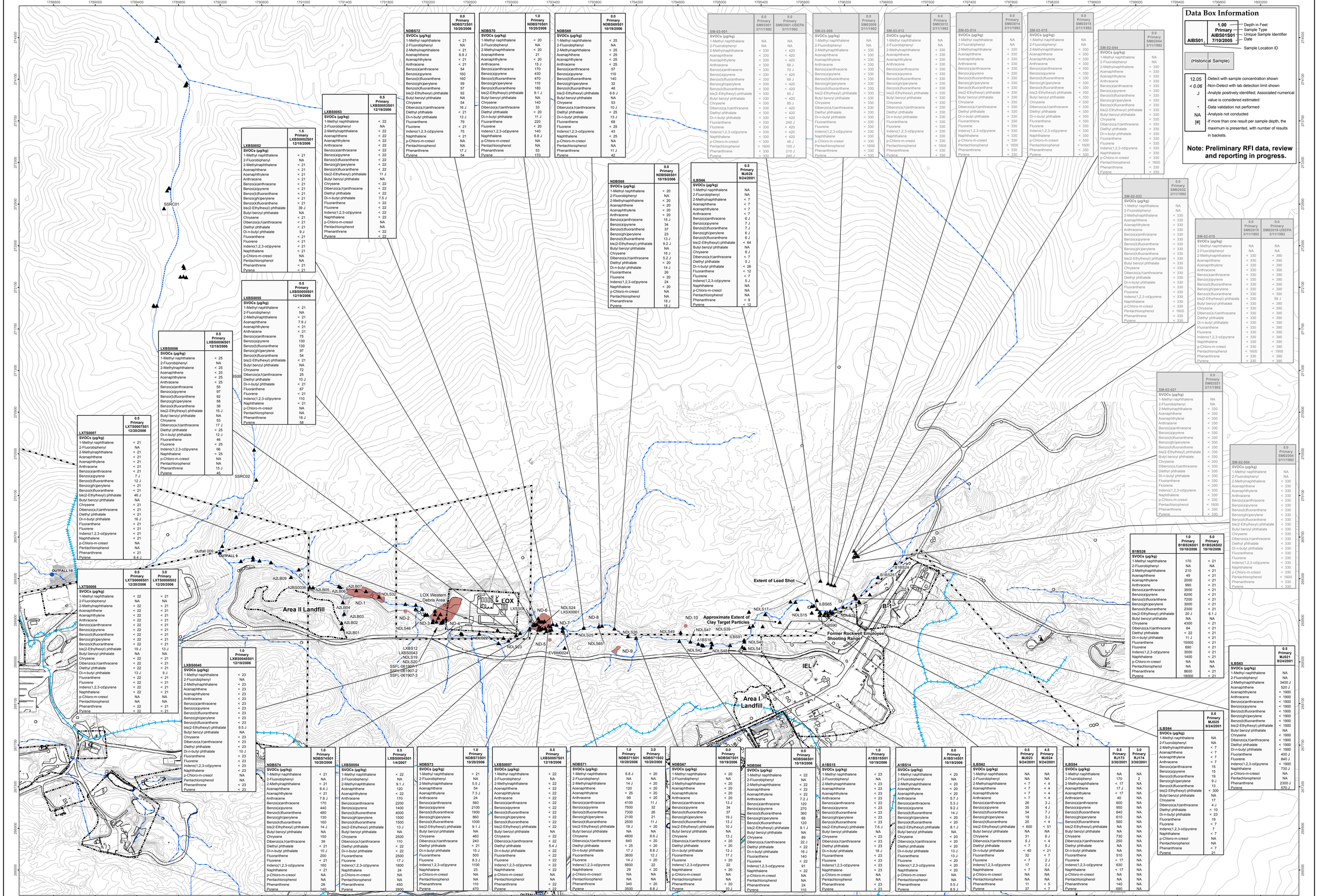
AIBP SWMU 4.8 RFI WORKPLAN
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

LOCATION OF FORMER SHOOTING RANGE / NORTHERN DRAINAGE

SCALE: AS SHOWN
AUGUST 2007

FIGURE 1

\\los\common\CLIENTS & PROJECTS\Boeing\GIS\20060-248-0001-DRAINAGE_LOC.mxd



Data Box Information

AIBS01 — 1.00 Depth in Feet; Primary Sample Type; AIBS01S01 Unique Sample Identifier; 7/10/2005 Date; Sample Location ID

(Historical Sample)

12.05	-Detect with sample concentration shown
< 0.06	-Non-Detect with lab detection limit shown
J	-Analyte positively identified; Associated numerical value is considered estimated
*	-Data validation not performed
NA	-Analysis not conducted
[#]	-If more than one result per sample depth, the maximum is presented, with number of results in backets.

Note: Preliminary RFI data, review and reporting in progress.

NDBS72	0.0 Primary NDBS72S01 10/20/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 21
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 21
Acenaphthene	6.9 J
Acenaphthylene	< 21
Anthracene	< 21
Benzo(a)anthracene	54
Benzo(a)pyrene	160
Benzo(b)fluoranthene	160
Benzo(ghi)perylene	59
Benzo(k)fluoranthene	57
bis(2-Ethylhexyl) phthalate	92
Butyl benzyl phthalate	NA
Chrysene	54
Dibenzo(a,h)anthracene	16 J
Diethyl phthalate	< 21
Di-n-butyl phthalate	13 J
Fluoranthene	79
Fluorene	< 21
Indeno(1,2,3-cd)pyrene	75
Naphthalene	< 21
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	17 J
Pyrene	54

NDBS70	1.0 Primary NDBS70S01 10/20/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 20
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 20
Acenaphthene	21
Acenaphthylene	< 20
Anthracene	15 J
Benzo(a)anthracene	170
Benzo(a)pyrene	430
Benzo(b)fluoranthene	470
Benzo(ghi)perylene	110
Benzo(k)fluoranthene	180
bis(2-Ethylhexyl) phthalate	9.1 J
Butyl benzyl phthalate	NA
Chrysene	140
Dibenzo(a,h)anthracene	33
Diethyl phthalate	< 20
Di-n-butyl phthalate	11 J
Fluoranthene	220
Fluorene	< 20
Indeno(1,2,3-cd)pyrene	140
Naphthalene	6.8 J
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	53
Pyrene	170

NDBS69	0.0 Primary NDBS69S01 10/19/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 25
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 25
Acenaphthene	< 25
Acenaphthylene	< 25
Anthracene	< 25
Benzo(a)anthracene	57
Benzo(a)pyrene	110
Benzo(b)fluoranthene	140
Benzo(ghi)perylene	32
Benzo(k)fluoranthene	48
bis(2-Ethylhexyl) phthalate	6.8 J
Butyl benzyl phthalate	NA
Chrysene	53
Dibenzo(a,h)anthracene	10 J
Diethyl phthalate	< 25
Di-n-butyl phthalate	13 J
Fluoranthene	68
Fluorene	< 25
Indeno(1,2,3-cd)pyrene	43
Naphthalene	< 25
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	11 J
Pyrene	42

SM-03-001	0.0 Primary SM03001 3/11/1992	0.0 Primary SM03001-USEPA 3/11/1992
SVOCs (µg/kg)		
1-Methyl naphthalene	NA	NA
2-Fluorobiphenyl	NA	NA
2-Methylnaphthalene	< 330	< 420
Acenaphthene	< 330	< 420
Acenaphthylene	< 330	< 420
Anthracene	< 330	66 J
Benzo(a)anthracene	< 330	70 J
Benzo(a)pyrene	< 330	< 420
Benzo(b)fluoranthene	< 330	68 J
Benzo(ghi)perylene	< 330	< 420
Benzo(k)fluoranthene	< 330	< 420
bis(2-Ethylhexyl) phthalate	< 330	50 J
Butyl benzyl phthalate	< 330	< 420
Chrysene	< 330	95 J
Dibenzo(a,h)anthracene	< 330	< 420
Diethyl phthalate	< 330	< 420
Di-n-butyl phthalate	< 330	< 420
Fluoranthene	< 330	240 J
Fluorene	< 330	< 420
Indeno(1,2,3-cd)pyrene	< 330	< 420
Naphthalene	< 330	< 420
p-Chloro-m-cresol	< 330	46 J
Pentachlorophenol	< 1600	100 J
Phenanthrene	< 330	210 J
Pyrene	< 330	240 J

SM-03-009	0.0 Primary SM03009 3/11/1992
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 330
Acenaphthene	< 330
Acenaphthylene	< 330
Anthracene	< 330
Benzo(a)anthracene	< 330
Benzo(a)pyrene	< 330
Benzo(b)fluoranthene	< 330
Benzo(ghi)perylene	< 330
Benzo(k)fluoranthene	< 330
bis(2-Ethylhexyl) phthalate	< 330
Butyl benzyl phthalate	< 330
Chrysene	< 330
Dibenzo(a,h)anthracene	< 330
Diethyl phthalate	< 330
Di-n-butyl phthalate	< 330
Fluoranthene	< 330
Fluorene	< 330
Indeno(1,2,3-cd)pyrene	< 330
Naphthalene	< 330
p-Chloro-m-cresol	< 330
Pentachlorophenol	< 1600
Phenanthrene	< 330
Pyrene	< 330

SM-03-012	0.0 Primary SM03012 3/11/1992
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 330
Acenaphthene	< 330
Acenaphthylene	< 330
Anthracene	< 330
Benzo(a)anthracene	< 330
Benzo(a)pyrene	< 330
Benzo(b)fluoranthene	< 330
Benzo(ghi)perylene	< 330
Benzo(k)fluoranthene	< 330
bis(2-Ethylhexyl) phthalate	< 330
Butyl benzyl phthalate	< 330
Chrysene	< 330
Dibenzo(a,h)anthracene	< 330
Diethyl phthalate	< 330
Di-n-butyl phthalate	< 330
Fluoranthene	< 330
Fluorene	< 330
Indeno(1,2,3-cd)pyrene	< 330
Naphthalene	< 330
p-Chloro-m-cresol	< 330
Pentachlorophenol	< 1600
Phenanthrene	< 330
Pyrene	< 330

SM-03-014	0.0 Primary SM03014 3/11/1992
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 330
Acenaphthene	< 330
Acenaphthylene	< 330
Anthracene	< 330
Benzo(a)anthracene	< 330
Benzo(a)pyrene	< 330
Benzo(b)fluoranthene	< 330
Benzo(ghi)perylene	< 330
Benzo(k)fluoranthene	< 330
bis(2-Ethylhexyl) phthalate	< 330
Butyl benzyl phthalate	< 330
Chrysene	< 330
Dibenzo(a,h)anthracene	< 330
Diethyl phthalate	< 330
Di-n-butyl phthalate	< 330
Fluoranthene	< 330
Fluorene	< 330
Indeno(1,2,3-cd)pyrene	< 330
Naphthalene	< 330
p-Chloro-m-cresol	< 330
Pentachlorophenol	< 1600
Phenanthrene	< 330
Pyrene	< 330

SM-03-015	0.0 Primary SM03015 3/11/1992
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 330
Acenaphthene	< 330
Acenaphthylene	< 330
Anthracene	< 330
Benzo(a)anthracene	< 330
Benzo(a)pyrene	< 330
Benzo(b)fluoranthene	< 330
Benzo(ghi)perylene	< 330
Benzo(k)fluoranthene	< 330
bis(2-Ethylhexyl) phthalate	< 330
Butyl benzyl phthalate	< 330
Chrysene	< 330
Dibenzo(a,h)anthracene	< 330
Diethyl phthalate	< 330
Di-n-butyl phthalate	< 330
Fluoranthene	< 330
Fluorene	< 330
Indeno(1,2,3-cd)pyrene	< 330
Naphthalene	< 330
p-Chloro-m-cresol	< 330
Pentachlorophenol	< 1600
Phenanthrene	< 330
Pyrene	< 330

SM-02-044	0.0 Primary SM02044 3/11/1992
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 330
Acenaphthene	< 330
Acenaphthylene	< 330
Anthracene	< 330
Benzo(a)anthracene	< 330
Benzo(a)pyrene	< 330
Benzo(b)fluoranthene	< 330
Benzo(ghi)perylene	< 330
Benzo(k)fluoranthene	< 330
bis(2-Ethylhexyl) phthalate	< 330
Butyl benzyl phthalate	< 330
Chrysene	< 330
Dibenzo(a,h)anthracene	< 330
Diethyl phthalate	< 330
Di-n-butyl phthalate	< 330
Fluoranthene	< 330
Fluorene	< 330
Indeno(1,2,3-cd)pyrene	< 330
Naphthalene	< 330
p-Chloro-m-cresol	< 330
Pentachlorophenol	< 1600
Phenanthrene	< 330
Pyrene	< 330

SM-02-032	0.0 Primary SM02032 3/11/1992
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 330
Acenaphthene	< 330
Acenaphthylene	< 330
Anthracene	< 330
Benzo(a)anthracene	< 330
Benzo(a)pyrene	< 330
Benzo(b)fluoranthene	< 330
Benzo(ghi)perylene	< 330
Benzo(k)fluoranthene	< 330
bis(2-Ethylhexyl) phthalate	< 330
Butyl benzyl phthalate	< 330
Chrysene	< 330
Dibenzo(a,h)anthracene	< 330
Diethyl phthalate	< 330
Di-n-butyl phthalate	< 330
Fluoranthene	< 330
Fluorene	< 330
Indeno(1,2,3-cd)pyrene	< 330
Naphthalene	< 330
p-Chloro-m-cresol	< 330
Pentachlorophenol	< 1600
Phenanthrene	< 330
Pyrene	< 330

SM-02-019	0.0 Primary SM02019 3/11/1992	0.0 Primary SM02019-USEPA 3/11/1992
SVOCs (µg/kg)		
1-Methyl naphthalene	NA	NA
2-Fluorobiphenyl	NA	NA
2-Methylnaphthalene	< 330	< 390
Acenaphthene	< 330	< 390
Acenaphthylene	< 330	< 390
Anthracene	< 330	< 390
Benzo(a)anthracene	< 330	< 390
Benzo(a)pyrene	< 330	< 390
Benzo(b)fluoranthene	< 330	< 390
Benzo(ghi)perylene	< 330	< 390
Benzo(k)fluoranthene	< 330	< 390
bis(2-Ethylhexyl) phthalate	< 330	59 J
Butyl benzyl phthalate	< 330	< 390
Chrysene	< 330	< 390
Dibenzo(a,h)anthracene	< 330	< 390
Diethyl phthalate	< 330	< 390
Di-n-butyl phthalate	< 330	< 390
Fluoranthene	< 330	< 390
Fluorene	< 330	< 390
Indeno(1,2,3-cd)pyrene	< 330	< 390
Naphthalene	< 330	< 390
p-Chloro-m-cresol	< 330	< 390
Pentachlorophenol	< 1600	< 1900
Phenanthrene	< 330	< 390
Pyrene	< 330	< 390

SM-02-021	0.0 Primary SM02021 3/11/1992
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 330
Acenaphthene	< 330
Acenaphthylene	< 330
Anthracene	< 330
Benzo(a)anthracene	< 330
Benzo(a)pyrene	< 330
Benzo(b)fluoranthene	< 330
Benzo(ghi)perylene	< 330
Benzo(k)fluoranthene	< 330
bis(2-Ethylhexyl) phthalate	< 330
Butyl benzyl phthalate	< 330
Chrysene	< 330
Dibenzo(a,h)anthracene	< 330
Diethyl phthalate	< 330
Di-n-butyl phthalate	< 330
Fluoranthene	< 330
Fluorene	< 330
Indeno(1,2,3-cd)pyrene	< 330
Naphthalene	< 330
p-Chloro-m-cresol	< 330
Pentachlorophenol	< 1600
Phenanthrene	< 330
Pyrene	< 330

SM-02-004	0.0 Primary SM02004 3/11/1992
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 330
Acenaphthene	< 330
Acenaphthylene	< 330
Anthracene	< 330
Benzo(a)anthracene	< 330
Benzo(a)pyrene	< 330
Benzo(b)fluoranthene	< 330
Benzo(ghi)perylene	< 330
Benzo(k)fluoranthene	< 330
bis(2-Ethylhexyl) phthalate	< 330
Butyl benzyl phthalate	< 330
Chrysene	< 330
Dibenzo(a,h)anthracene	< 330
Diethyl phthalate	< 330
Di-n-butyl phthalate	< 330
Fluoranthene	< 330
Fluorene	< 330
Indeno(1,2,3-cd)pyrene	< 330
Naphthalene	< 330
p-Chloro-m-cresol	< 330
Pentachlorophenol	< 1600
Phenanthrene	< 330
Pyrene	< 330

B1BS26	1.0 Primary B1BS26S01 10/18/2006	5.0 Primary B1BS26S02 10/18/2006
SVOCs (µg/kg)		
1-Methyl naphthalene	170	< 21
2-Fluorobiphenyl	NA	NA
2-Methylnaphthalene	210	< 21
Acenaphthene	49	< 21
Acenaphthylene	2000	< 21
Anthracene	990	< 21
Benzo(a)anthracene	3500	< 21
Benzo(a)pyrene	6200	< 21
Benzo(b)fluoranthene	7200	< 21
Benzo(ghi)perylene	3000	< 21
Benzo(k)fluoranthene	2300	< 21
bis(2-Ethylhexyl) phthalate	20 J	6.1 J
Butyl benzyl phthalate	NA	NA
Chrysene	4300	< 21
Dibenzo(a,h)anthracene	64	< 21
Diethyl phthalate	< 22	< 21
Di-n-butyl phthalate	11 J	< 21
Fluoranthene	15000	< 21
Fluorene	690	< 21
Indeno(1,2,3-cd)pyrene	3000	< 21
Naphthalene	1400	< 21
p-Chloro-m-cresol	NA	NA
Pentachlorophenol	NA	NA
Phenanthrene	8600	< 21
Pyrene	18000	< 21

ILBS63	0.5 Primary MJ021 9/24/2001
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	3400 J
Acenaphthene	520 J
Acenaphthylene	< 1900
Anthracene	< 1900
Benzo(a)anthracene	< 1900
Benzo(a)pyrene	< 1900
Benzo(b)fluoranthene	< 1900
Benzo(ghi)perylene	< 1900
Benzo(k)fluoranthene	< 1900
bis(2-Ethylhexyl) phthalate	< 1900
Butyl benzyl phthalate	NA
Chrysene	< 1900
Dibenzo(a,h)anthracene	< 1900
Diethyl phthalate	900 J
Di-n-butyl phthalate	< 1900
Fluoranthene	400 J
Fluorene	840 J
Indeno(1,2,3-cd)pyrene	< 1900
Naphthalene	730 J
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	2300 J
Pyrene	570 J

ILBS64	0.5 Primary MJ025 9/24/2001
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 7
Acenaphthene	< 7
Acenaphthylene	< 7
Anthracene	< 7
Benzo(a)anthracene	15
Benzo(a)pyrene	15
Benzo(b)fluoranthene	19
Benzo(ghi)perylene	9 J
Benzo(k)fluoranthene	17
bis(2-Ethylhexyl) phthalate	< 300
Butyl benzyl phthalate	14 J
Chrysene	17
Dibenzo(a,h)anthracene	4 J
Diethyl phthalate	< 10
Di-n-butyl phthalate	< 23
Fluoranthene	19
Fluorene	7
Indeno(1,2,3-cd)pyrene	< 7
Naphthalene	< 7
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 7
Pyrene	21

LXTS0007	0.5 Primary LXTS0007S01 12/20/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 21
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 21
Acenaphthene	< 21
Acenaphthylene	< 21
Anthracene	< 21
Benzo(a)anthracene	< 21
Benzo(a)pyrene	7 J
Benzo(b)fluoranthene	12 J
Benzo(ghi)perylene	< 21
Benzo(k)fluoranthene	< 21
bis(2-Ethylhexyl) phthalate	46 J
Butyl benzyl phthalate	NA
Chrysene	< 21
Dibenzo(a,h)anthracene	< 21
Diethyl phthalate	< 21
Di-n-butyl phthalate	16 J
Fluoranthene	< 21
Fluorene	< 21
Indeno(1,2,3-cd)pyrene	< 21
Naphthalene	< 21
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 21
Pyrene	6.4 J

LXTS0008	0.5 Primary LXTS0008S01 12/20/2006	3.0 Primary LXTS0008S02 12/20/2006
SVOCs (µg/kg)		
1-Methyl naphthalene	< 22	< 21
2-Fluorobiphenyl	NA	NA
2-Methylnaphthalene	< 22	< 21
Acenaphthene	< 22	< 21
Acenaphthylene	< 22	< 21
Anthracene	< 22	< 21
Benzo(a)anthracene	< 22	< 21
Benzo(a)pyrene	< 22	< 21
Benzo(b)fluoranthene	< 22	< 21
Benzo(ghi)perylene	< 22	< 21
Benzo(k)fluoranthene	< 22	< 21
bis(2-Ethylhexyl) phthalate	19 J	NA
Butyl benzyl phthalate	NA	NA
Chrysene	< 22	< 21
Dibenzo(a,h)anthracene	< 22	< 21
Diethyl phthalate	< 22	< 21
Di-n-butyl phthalate	13 J	9 J
Fluoranthene	< 22	< 21
Fluorene	< 22	< 21
Indeno(1,2,3-cd)pyrene	< 22	< 21
Naphthalene	< 22	< 21
p-Chloro-m-cresol	NA	NA
Pentachlorophenol	NA	NA
Phenanthrene	< 22	< 21
Pyrene	< 22	< 21

LXBS0040	1.0 Primary LXBS0040S01 12/18/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 23
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 23
Acenaphthene	< 23
Acenaphthylene	< 23
Anthracene	< 23
Benzo(a)anthracene	< 23
Benzo(a)pyrene	< 23
Benzo(b)fluoranthene	< 23
Benzo(ghi)perylene	< 23
Benzo(k)fluoranthene	< 23
bis(2-Ethylhexyl) phthalate	9.5 J
Butyl benzyl phthalate	NA
Chrysene	< 23
Dibenzo(a,h)anthracene	< 23
Diethyl phthalate	< 23
Di-n-butyl phthalate	10 J
Fluoranthene	< 23
Fluorene	< 23
Indeno(1,2,3-cd)pyrene	< 23
Naphthalene	< 23
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 23
Pyrene	< 23

LXBS0052	1.5 Primary LXBS0052S01 12/18/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 21
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 21
Acenaphthene	< 21
Acenaphthylene	< 21
Anthracene	< 21
Benzo(a)anthracene	< 21
Benzo(a)pyrene	< 21
Benzo(b)fluoranthene	< 21
Benzo(ghi)perylene	< 21
Benzo(k)fluoranthene	< 21
bis(2-Ethylhexyl) phthalate	39 J
Butyl benzyl phthalate	NA
Chrysene	< 21
Dibenzo(a,h)anthracene	< 21
Diethyl phthalate	< 21
Di-n-butyl phthalate	9 J
Fluoranthene	< 21
Fluorene	< 21
Indeno(1,2,3-cd)pyrene	< 21
Naphthalene	< 21
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 21
Pyrene	< 21

LXBS0053	0.5 Primary LXBS0053S01 12/19/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 22
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 22
Acenaphthene	< 22
Acenaphthylene	< 22
Anthracene	< 22
Benzo(a)anthracene	< 22
Benzo(a)pyrene	< 22
Benzo(b)fluoranthene	< 22
Benzo(ghi)perylene	< 22
Benzo(k)fluoranthene	< 22
bis(2-Ethylhexyl) phthalate	11 J
Butyl benzyl phthalate	NA
Chrysene	< 22
Dibenzo(a,h)anthracene	< 22
Diethyl phthalate	< 22
Di-n-butyl phthalate	7.5 J
Fluoranthene	< 22
Fluorene	< 22
Indeno(1,2,3-cd)pyrene	< 22
Naphthalene	< 22
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 22
Pyrene	< 22

LXBS0055	0.5 Primary LXBS0055S01 12/19/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 21
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 21
Acenaphthene	7.9 J
Acenaphthylene	< 21
Anthracene	< 21
Benzo(a)anthracene	75
Benzo(a)pyrene	130
Benzo(b)fluoranthene	130
Benzo(ghi)perylene	97
Benzo(k)fluoranthene	54
bis(2-Ethylhexyl) phthalate	< 21
Butyl benzyl phthalate	NA
Chrysene	72
Dibenzo(a,h)anthracene	25
Diethyl phthalate	10 J
Di-n-butyl phthalate	< 21
Fluoranthene	67
Fluorene	< 21
Indeno(1,2,3-cd)pyrene	110
Naphthalene	< 21
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	18 J
Pyrene	58

LXBS0056	0.5 Primary LXBS0056S01 12/18/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 25
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 25
Acenaphthene	< 25
Acenaphthylene	< 25
Anthracene	< 25
Benzo(a)anthracene	55
Benzo(a)pyrene	97
Benzo(b)fluoranthene	92
Benzo(ghi)perylene	58
Benzo(k)fluoranthene	38
bis(2-Ethylhexyl) phthalate	16 J
Butyl benzyl phthalate	NA
Chrysene	53
Dibenzo(a,h)anthracene	17 J
Diethyl phthalate	< 25
Di-n-butyl phthalate	12 J
Fluoranthene	46
Fluorene	< 25
Indeno(1,2,3-cd)pyrene	66
Naphthalene	< 25
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	15 J
Pyrene	45

NDBS74	1.0 Primary NDBS74S01 10/20/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 21
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 21
Acenaphthene	6.4 J
Acenaphthylene	< 21
Anthracene	7.8 J
Benzo(a)anthracene	170
Benzo(a)pyrene	440
Benzo(b)fluoranthene	480
Benzo(ghi)perylene	130
Benzo(k)fluoranthene	160
bis(2-Ethylhexyl) phthalate	14 J
Butyl benzyl phthalate	NA
Chrysene	150
Dibenzo(a,h)anthracene	39
Diethyl phthalate	< 21
Di-n-butyl phthalate	10 J
Fluoranthene	200
Fluorene	< 21
Indeno(1,2,3-cd)pyrene	160
Naphthalene	< 21
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	28
Pyrene	140

LXBS0054	0.5 Primary LXBS0054S01 1/4/2007
SVOCs (µg/kg)	
1-Methyl naphthalene	< 22
2-Fluorobiphenyl	NA
2-Methylnaphthalene	9.1 J
Acenaphthene	120
Acenaphthylene	< 22
Anthracene	170
Benzo(a)anthracene	2200
Benzo(a)pyrene	1400
Benzo(b)fluoranthene	4000
Benzo(ghi)perylene	1500
Benzo(k)fluoranthene	1500
bis(2-Ethylhexyl) phthalate	13 J
Butyl benzyl phthalate	NA
Chrysene	2500
Dibenzo(a,h)anthracene	110
Diethyl phthalate	< 22
Di-n-butyl phthalate	< 22
Fluoranthene	2500
Fluorene	17 J
Indeno(1,2,3-cd)pyrene	1800
Naphthalene	24
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	450
Pyrene	2800

NDBS73	1.0 Primary NDBS73S01 10/20/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 21
2-Fluorobiphenyl	NA
2-Methylnaphthalene	5.5 J
Acenaphthene	54
Acenaphthylene	7.3 J
Anthracene	24
Benzo(a)anthracene	560
Benzo(a)pyrene	2100
Benzo(b)fluoranthene	1900
Benzo(ghi)perylene	860
Benzo(k)fluoranthene	1000
bis(2-Ethylhexyl) phthalate	9.1 J
Butyl benzyl phthalate	NA
Chrysene	460
Dibenzo(a,h)anthracene	240
Diethyl phthalate	< 21
Di-n-butyl phthalate	15 J
Fluoranthene	500
Fluorene	8.3 J
Indeno(1,2,3-cd)pyrene	1100
Naphthalene	23
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	110
Pyrene	470

LXBS0057	0.5 Primary LXBS0057S01 12/19/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 22
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 22
Acenaphthene	< 22
Acenaphthylene	< 22
Anthracene	< 22
Benzo(a)anthracene	< 22
Benzo(a)pyrene	< 22
Benzo(b)fluoranthene	< 22
Benzo(ghi)perylene	< 22
Benzo(k)fluoranthene	< 22
bis(2-Ethylhexyl) phthalate	< 22
Butyl benzyl phthalate	NA
Chrysene	< 22
Dibenzo(a,h)anthracene	< 22
Diethyl phthalate	5.4 J
Di-n-butyl phthalate	< 22
Fluoranthene	< 22
Fluorene	< 22
Indeno(1,2,3-cd)pyrene	< 22
Naphthalene	< 22
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 22
Pyrene	< 22

NDBS71	1.0 Primary NDBS71S01 10/20/2006	3.0 Primary NDBS71S02 10/20/2006
SVOCs (µg/kg)		
1-Methyl naphthalene	6.8 J	< 20
2-Fluorobiphenyl	NA	NA
2-Methylnaphthalene	14 J	< 20
Acenaphthene	120	< 20
Acenaphthylene	< 25	< 20
Anthracene	99	< 20
Benzo(a)anthracene	4100	11 J
Benzo(a)pyrene	7500	32
Benzo(b)fluoranthene	7300	26
Benzo(ghi)perylene	2100	21
Benzo(k)fluoranthene	2500	11 J
bis(2-Ethylhexyl) phthalate	18 J	< 20
Butyl benzyl phthalate	NA	NA
Chrysene	4800	8.9 J
Dibenzo(a,h)anthracene	640	< 20
Diethyl phthalate	< 25	< 20
Di-n-butyl phthalate	17 J	6.8 J
Fluoranthene	3600	12 J
Fluorene	14 J	< 20
Indeno(1,2,3-cd)pyrene	5800	22
Naphthalene	29	< 20
p-Chloro-m-cresol	NA	NA
Pentachlorophenol	NA	NA
Phenanthrene

Data Box Information

AIBS01 — 1.00 Depth in Feet; Primary Sample Type; AIBS01S01 Unique Sample Identifier; 7/10/2005 Date; Sample Location ID

(Historical Sample)

12.05	-Detect with sample concentration shown
< 0.06	-Non-Detect with lab detection limit shown
J	-Analyte positively identified; Associated numerical value is considered estimated
*	-Data validation not performed
NA	-Analysis not conducted
[#]	-If more than one result per sample depth, the maximum is presented, with number of results in backets.

Note: Preliminary RFI data, review and reporting in progress.

BB-04-026	0.0 Primary BB04026 3/16/1992
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 330
Acenaphthene	< 330
Acenaphthylene	< 330
Anthracene	< 330
Benzo(a)anthracene	< 330
Benzo(a)pyrene	< 330
Benzo(b)fluoranthene	< 330
Benzo(ghi)perylene	< 330
Benzo(k)fluoranthene	< 330
bis(2-Ethylhexyl) phthalate	< 330
Butyl benzyl phthalate	< 330
Chrysene	< 330
Dibenzo(a,h)anthracene	< 330
Diethyl phthalate	< 330
Di-n-butyl phthalate	< 330
Fluoranthene	< 330
Fluorene	< 330
Indeno(1,2,3-cd)pyrene	< 330
Naphthalene	< 330
p-Chloro-m-cresol	< 330
Pentachlorophenol	< 1600
Phenanthrene	< 330
Pyrene	< 330

BB-04-097	0.0 Primary BB04097 3/16/1992
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 330
Acenaphthene	< 330
Acenaphthylene	< 330
Anthracene	< 330
Benzo(a)anthracene	< 330
Benzo(a)pyrene	< 330
Benzo(b)fluoranthene	< 330
Benzo(ghi)perylene	< 330
Benzo(k)fluoranthene	< 330
bis(2-Ethylhexyl) phthalate	< 330
Butyl benzyl phthalate	< 330
Chrysene	< 330
Dibenzo(a,h)anthracene	< 330
Diethyl phthalate	< 330
Di-n-butyl phthalate	< 330
Fluoranthene	< 330
Fluorene	< 330
Indeno(1,2,3-cd)pyrene	< 330
Naphthalene	< 330
p-Chloro-m-cresol	< 330
Pentachlorophenol	< 1600
Phenanthrene	< 330
Pyrene	< 330

BB-04-032	0.0 Primary BB04032 3/16/1992
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 330
Acenaphthene	< 330
Acenaphthylene	< 330
Anthracene	< 330
Benzo(a)anthracene	< 330
Benzo(a)pyrene	< 330
Benzo(b)fluoranthene	< 330
Benzo(ghi)perylene	< 330
Benzo(k)fluoranthene	< 330
bis(2-Ethylhexyl) phthalate	< 330
Butyl benzyl phthalate	< 330
Chrysene	< 330
Dibenzo(a,h)anthracene	< 330
Diethyl phthalate	< 330
Di-n-butyl phthalate	< 330
Fluoranthene	< 330
Fluorene	< 330
Indeno(1,2,3-cd)pyrene	< 330
Naphthalene	< 330
p-Chloro-m-cresol	< 330
Pentachlorophenol	< 1600
Phenanthrene	< 330
Pyrene	< 330

BB-04-021	0.0 Primary BB04021 3/16/1992	0.0 Split BB04021-USEPA 3/16/1992
SVOCs (µg/kg)		
1-Methyl naphthalene	NA	NA
2-Fluorobiphenyl	NA	NA
2-Methylnaphthalene	< 330	< 370
Acenaphthene	< 330	< 370
Acenaphthylene	< 330	< 370
Anthracene	< 330	< 370
Benzo(a)anthracene	< 330	< 370
Benzo(a)pyrene	< 330	< 370
Benzo(b)fluoranthene	< 330	< 370
Benzo(ghi)perylene	< 330	< 370
Benzo(k)fluoranthene	< 330	< 370
bis(2-Ethylhexyl) phthalate	< 330	79
Butyl benzyl phthalate	< 330	39 J
Chrysene	< 330	< 370
Dibenzo(a,h)anthracene	< 330	< 370
Diethyl phthalate	< 330	< 370
Di-n-butyl phthalate	< 330	< 370
Fluoranthene	< 330	< 370
Fluorene	< 330	< 370
Indeno(1,2,3-cd)pyrene	< 330	< 370
Naphthalene	< 330	< 370
p-Chloro-m-cresol	< 330	< 370
Pentachlorophenol	< 1600	< 1800
Phenanthrene	< 330	< 370
Pyrene	< 330	< 370

BB-04-023	0.0 Primary BB04023 3/16/1992
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 330
Acenaphthene	< 330
Acenaphthylene	< 330
Anthracene	< 330
Benzo(a)anthracene	< 330
Benzo(a)pyrene	< 330
Benzo(b)fluoranthene	< 330
Benzo(ghi)perylene	< 330
Benzo(k)fluoranthene	< 330
bis(2-Ethylhexyl) phthalate	< 330
Butyl benzyl phthalate	< 330
Chrysene	< 330
Dibenzo(a,h)anthracene	< 330
Diethyl phthalate	< 330
Di-n-butyl phthalate	< 330
Fluoranthene	< 330
Fluorene	< 330
Indeno(1,2,3-cd)pyrene	< 330
Naphthalene	< 330
p-Chloro-m-cresol	< 330
Pentachlorophenol	< 1600
Phenanthrene	< 330
Pyrene	< 330

LXBS0037	0.5 Primary LXBS0037S01 12/14/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	12 J
2-Fluorobiphenyl	NA
2-Methylnaphthalene	21 J
Acenaphthene	230
Acenaphthylene	< 24
Anthracene	73
Benzo(a)anthracene	1600
Benzo(a)pyrene	4200
Benzo(b)fluoranthene	4100
Benzo(ghi)perylene	710
Benzo(k)fluoranthene	1200
bis(2-Ethylhexyl) phthalate	9.6 J
Butyl benzyl phthalate	NA
Chrysene	1600
Dibenzo(a,h)anthracene	250
Diethyl phthalate	22 J
Di-n-butyl phthalate	< 24
Fluoranthene	1300
Fluorene	28
Indeno(1,2,3-cd)pyrene	960
Naphthalene	72
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	270
Pyrene	1500

LXBS0036	0.5 Primary LXBS0036S01 12/14/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	7.9 J
2-Fluorobiphenyl	NA
2-Methylnaphthalene	15 J
Acenaphthene	15 J
Acenaphthylene	< 21
Anthracene	< 21
Benzo(a)anthracene	74
Benzo(a)pyrene	180
Benzo(b)fluoranthene	170
Benzo(ghi)perylene	130
Benzo(k)fluoranthene	66
bis(2-Ethylhexyl) phthalate	11 J
Butyl benzyl phthalate	NA
Chrysene	83
Dibenzo(a,h)anthracene	33
Diethyl phthalate	73
Di-n-butyl phthalate	11 J
Fluoranthene	58
Fluorene	< 21
Indeno(1,2,3-cd)pyrene	140
Naphthalene	24
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	20 J
Pyrene	65

LXBS0035	0.5 Primary LXBS0035S01 12/14/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 21
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 21
Acenaphthene	21 J
Acenaphthylene	< 21
Anthracene	28
Benzo(a)anthracene	930
Benzo(a)pyrene	1600
Benzo(b)fluoranthene	1700
Benzo(ghi)perylene	740
Benzo(k)fluoranthene	610
bis(2-Ethylhexyl) phthalate	9.2 J
Butyl benzyl phthalate	NA
Chrysene	980
Dibenzo(a,h)anthracene	220
Diethyl phthalate	79
Di-n-butyl phthalate	< 21
Fluoranthene	770
Fluorene	< 21
Indeno(1,2,3-cd)pyrene	910
Naphthalene	5.8 J
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	110
Pyrene	810

LXBS0064	1.0 Primary LXBS0064S01 2/26/2007	5.5 Primary LXBS0064S02 2/26/2007
SVOCs (µg/kg)		
1-Methyl naphthalene	< 25	< 21
2-Fluorobiphenyl	NA	NA
2-Methylnaphthalene	< 25	< 21
Acenaphthene	< 25	< 21
Acenaphthylene	< 25	< 21
Anthracene	< 25	< 21
Benzo(a)anthracene	< 25	< 21
Benzo(a)pyrene	< 25	< 21
Benzo(b)fluoranthene	< 25	< 21
Benzo(ghi)perylene	< 25	< 21
Benzo(k)fluoranthene	< 25	< 21
bis(2-Ethylhexyl) phthalate	130 J	61 J
Butyl benzyl phthalate	NA	NA
Chrysene	< 25	< 21
Dibenzo(a,h)anthracene	< 25	< 21
Diethyl phthalate	< 25	< 21
Di-n-butyl phthalate	< 25	< 21
Fluoranthene	< 25	< 21
Fluorene	< 25	< 21
Indeno(1,2,3-cd)pyrene	< 25	< 21
Naphthalene	7.4 J	< 21
p-Chloro-m-cresol	NA	NA
Pentachlorophenol	NA	NA
Phenanthrene	8.7 J	< 21
Pyrene	8 J	< 21

LXBS0032	0.5 Primary LXBS0032S01 12/14/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 22
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 22
Acenaphthene	8.8 J
Acenaphthylene	< 22
Anthracene	< 22
Benzo(a)anthracene	< 22
Benzo(a)pyrene	< 22
Benzo(b)fluoranthene	< 22
Benzo(ghi)perylene	< 22
Benzo(k)fluoranthene	< 22
bis(2-Ethylhexyl) phthalate	29
Butyl benzyl phthalate	NA
Chrysene	< 22
Dibenzo(a,h)anthracene	< 22
Diethyl phthalate	36
Di-n-butyl phthalate	< 22
Fluoranthene	< 22
Fluorene	< 22
Indeno(1,2,3-cd)pyrene	< 22
Naphthalene	< 22
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 22
Pyrene	< 22

LXBS0034	0.5 Primary LXBS0034S01 12/14/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 20
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 20
Acenaphthene	82
Acenaphthylene	< 20
Anthracene	< 20
Benzo(a)anthracene	< 20
Benzo(a)pyrene	< 20
Benzo(b)fluoranthene	< 20
Benzo(ghi)perylene	< 20
Benzo(k)fluoranthene	< 20
bis(2-Ethylhexyl) phthalate	26
Butyl benzyl phthalate	NA
Chrysene	< 20
Dibenzo(a,h)anthracene	< 20
Diethyl phthalate	42
Di-n-butyl phthalate	10 J
Fluoranthene	< 20
Fluorene	< 20
Indeno(1,2,3-cd)pyrene	< 20
Naphthalene	< 20
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 20
Pyrene	< 20

LXBS0033	0.5 Primary LXBS0033S01 12/14/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 23
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 23
Acenaphthene	25
Acenaphthylene	< 23
Anthracene	< 23
Benzo(a)anthracene	< 23
Benzo(a)pyrene	< 23
Benzo(b)fluoranthene	< 23
Benzo(ghi)perylene	< 23
Benzo(k)fluoranthene	< 23
bis(2-Ethylhexyl) phthalate	44
Butyl benzyl phthalate	NA
Chrysene	< 23
Dibenzo(a,h)anthracene	< 23
Diethyl phthalate	67
Di-n-butyl phthalate	8.4 J
Fluoranthene	< 23
Fluorene	< 23
Indeno(1,2,3-cd)pyrene	< 23
Naphthalene	< 23
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 23
Pyrene	53

LXBS0062	1.0 Primary LXBS0062S01 2/26/2007	4.0 Primary LXBS0062S02 2/26/2007
SVOCs (µg/kg)		
1-Methyl naphthalene	< 21	< 22
2-Fluorobiphenyl	NA	NA
2-Methylnaphthalene	< 21	5.7 J
Acenaphthene	< 21	< 22
Acenaphthylene	< 21	< 22
Anthracene	< 21	< 22
Benzo(a)anthracene	< 21	14 J
Benzo(a)pyrene	5.7 J	15 J
Benzo(b)fluoranthene	19 J	< 22
Benzo(ghi)perylene	21 J	17 J
Benzo(k)fluoranthene	< 21	< 22
bis(2-Ethylhexyl) phthalate	56 J	93 J
Butyl benzyl phthalate	NA	NA
Chrysene	7.7 J	17 J
Dibenzo(a,h)anthracene	< 21	< 22
Diethyl phthalate	< 21	< 22
Di-n-butyl phthalate	< 21	< 22
Fluoranthene	< 21	19 J
Fluorene	< 21	< 22
Indeno(1,2,3-cd)pyrene	15 J	14 J
Naphthalene	5.4 J	7.6 J
p-Chloro-m-cresol	NA	NA
Pentachlorophenol	NA	NA
Phenanthrene	< 21	70 J
Pyrene	9.3 J	47 J

A2BS04	0.5 Primary MH312 5/17/2004
SVOCs (µg/kg)	
1-Methyl naphthalene	< 100
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 100
Acenaphthene	< 100
Acenaphthylene	< 100
Anthracene	< 100
Benzo(a)anthracene	< 100
Benzo(a)pyrene	< 100
Benzo(b)fluoranthene	< 100
Benzo(ghi)perylene	< 100
Benzo(k)fluoranthene	< 100
bis(2-Ethylhexyl) phthalate	NA
Butyl benzyl phthalate	NA
Chrysene	< 100
Dibenzo(a,h)anthracene	< 100
Diethyl phthalate	NA
Di-n-butyl phthalate	NA
Fluoranthene	< 100
Fluorene	< 100
Indeno(1,2,3-cd)pyrene	< 100
Naphthalene	< 100
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 100
Pyrene	< 100

A2BS03	0.5 Primary MH311 5/17/2004
SVOCs (µg/kg)	
1-Methyl naphthalene	< 110
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 110
Acenaphthene	< 110
Acenaphthylene	< 110
Anthracene	< 110
Benzo(a)anthracene	< 110
Benzo(a)pyrene	< 110
Benzo(b)fluoranthene	< 110
Benzo(ghi)perylene	< 110
Benzo(k)fluoranthene	< 110
bis(2-Ethylhexyl) phthalate	NA
Butyl benzyl phthalate	NA
Chrysene	< 110
Dibenzo(a,h)anthracene	< 110
Diethyl phthalate	NA
Di-n-butyl phthalate	NA
Fluoranthene	< 110
Fluorene	< 110
Indeno(1,2,3-cd)pyrene	< 110
Naphthalene	< 110
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 110
Pyrene	< 110

A2BS02	0.5 Primary MH310 5/17/2004
SVOCs (µg/kg)	
1-Methyl naphthalene	< 110
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 110
Acenaphthene	< 110
Acenaphthylene	< 110
Anthracene	< 110
Benzo(a)anthracene	< 110
Benzo(a)pyrene	< 110
Benzo(b)fluoranthene	< 110
Benzo(ghi)perylene	< 110
Benzo(k)fluoranthene	< 110
bis(2-Ethylhexyl) phthalate	NA
Butyl benzyl phthalate	NA
Chrysene	< 110
Dibenzo(a,h)anthracene	< 110
Diethyl phthalate	NA
Di-n-butyl phthalate	NA
Fluoranthene	< 110
Fluorene	< 110
Indeno(1,2,3-cd)pyrene	< 110
Naphthalene	< 110
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 110
Pyrene	< 110

A2BS01	0.5 Primary MH309 5/17/2004
SVOCs (µg/kg)	
1-Methyl naphthalene	< 100
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 100
Acenaphthene	< 100
Acenaphthylene	< 100
Anthracene	< 100
Benzo(a)anthracene	< 100
Benzo(a)pyrene	< 100
Benzo(b)fluoranthene	< 100
Benzo(ghi)perylene	< 100
Benzo(k)fluoranthene	< 100
bis(2-Ethylhexyl) phthalate	NA
Butyl benzyl phthalate	NA
Chrysene	< 100
Dibenzo(a,h)anthracene	< 100
Diethyl phthalate	NA
Di-n-butyl phthalate	NA
Fluoranthene	< 100
Fluorene	< 100
Indeno(1,2,3-cd)pyrene	< 100
Naphthalene	< 100
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 100
Pyrene	< 100

LXBS0063	1.0 Primary LXBS0063S01 2/26/2007
SVOCs (µg/kg)	
1-Methyl naphthalene	< 22
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 22
Acenaphthene	< 22
Acenaphthylene	< 22
Anthracene	< 22
Benzo(a)anthracene	12 J
Benzo(a)pyrene	25 J
Benzo(b)fluoranthene	30 J
Benzo(ghi)perylene	14 J
Benzo(k)fluoranthene	12 J
bis(2-Ethylhexyl) phthalate	42 J
Butyl benzyl phthalate	NA
Chrysene	13 J
Dibenzo(a,h)anthracene	< 22
Diethyl phthalate	< 22
Di-n-butyl phthalate	< 22
Fluoranthene	7 J
Fluorene	< 22
Indeno(1,2,3-cd)pyrene	16 J
Naphthalene	< 22
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 22
Pyrene	12 J

LXBS11	0.5 Primary RSB96 9/23/1999
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	NA
Acenaphthene	< 31
Acenaphthylene	< 31
Anthracene	< 31
Benzo(a)anthracene	< 31
Benzo(a)pyrene	< 31
Benzo(b)fluoranthene	< 31
Benzo(ghi)perylene	< 31
Benzo(k)fluoranthene	< 31
bis(2-Ethylhexyl) phthalate	< 100
Butyl benzyl phthalate	NA
Chrysene	< 31
Dibenzo(a,h)anthracene	< 31
Diethyl phthalate	< 100
Di-n-butyl phthalate	< 100
Fluoranthene	< 31
Fluorene	< 31
Indeno(1,2,3-cd)pyrene	< 31
Naphthalene	< 31
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 31
Pyrene	< 31

LXBS0044	0.5 Primary LXBS0044S01 12/14/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 22
2-Fluorobiphenyl	NA
2-Methylnaphthalene	7.6 J
Acenaphthene	< 22
Acenaphthylene	< 22
Anthracene	< 22
Benzo(a)anthracene	8.2 J
Benzo(a)pyrene	11 J
Benzo(b)fluoranthene	21 J
Benzo(ghi)perylene	6.2 J
Benzo(k)fluoranthene	< 22
bis(2-Ethylhexyl) phthalate	1600
Butyl benzyl phthalate	NA
Chrysene	15 J
Dibenzo(a,h)anthracene	< 22
Diethyl phthalate	140
Di-n-butyl phthalate	16 J
Fluoranthene	< 22
Fluorene	< 22
Indeno(1,2,3-cd)pyrene	12 J
Naphthalene	NA
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	14 J
Pyrene	21 J

LXBS0061	1.0 Primary LXBS0061S01 2/26/2007
SVOCs (µg/kg)	
1-Methyl naphthalene	< 22
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 22
Acenaphthene	< 22
Acenaphthylene	< 22
Anthracene	< 22
Benzo(a)anthracene	7.6 J
Benzo(a)pyrene	11 J
Benzo(b)fluoranthene	17 J
Benzo(ghi)perylene	25 J
Benzo(k)fluoranthene	< 22
bis(2-Ethylhexyl) phthalate	64 J
Butyl benzyl phthalate	NA
Chrysene	6.8 J
Dibenzo(a,h)anthracene	< 22
Diethyl phthalate	< 22
Di-n-butyl phthalate	< 22
Fluoranthene	5.9 J
Fluorene	< 22
Indeno(1,2,3-cd)pyrene	16 J
Naphthalene	32 J
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 22
Pyrene	16 J

LXBS04	0.5 Primary RF739 10/30/1997
SVOCs (µg/kg)	
1-Methyl naphthalene	NA
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 300
Acenaphthene	< 300
Acenaphthylene	< 300
Anthracene	< 300
Benzo(a)anthracene	< 300
Benzo(a)pyrene	< 300
Benzo(b)fluoranthene	< 300
Benzo(ghi)perylene	< 300
Benzo(k)fluoranthene	< 300
bis(2-Ethylhexyl) phthalate	< 300
Butyl benzyl phthalate	< 300
Chrysene	< 300
Dibenzo(a,h)anthracene	< 300
Diethyl phthalate	< 300
Di-n-butyl phthalate	< 300
Fluoranthene	< 300
Fluorene	< 300
Indeno(1,2,3-cd)pyrene	< 300
Naphthalene	< 300
p-Chloro-m-cresol	< 300
Pentachlorophenol	< 300
Phenanthrene	< 300
Pyrene	< 300

A2BS0040	0.5 Primary A2BS0040S01 1/2/2007
SVOCs (µg/kg)	
1-Methyl naphthalene	< 23
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 23
Acenaphthene	< 23
Acenaphthylene	< 23
Anthracene	< 23
Benzo(a)anthracene	160
Benzo(a)pyrene	240
Benzo(b)fluoranthene	270
Benzo(ghi)perylene	160
Benzo(k)fluoranthene	98
bis(2-Ethylhexyl) phthalate	130
Butyl benzyl phthalate	NA
Chrysene	150
Dibenzo(a,h)anthracene	42
Diethyl phthalate	< 23
Di-n-butyl phthalate	< 23
Fluoranthene	140
Fluorene	< 23
Indeno(1,2,3-cd)pyrene	180
Naphthalene	< 23
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 23
Pyrene	150

A2BS0038	0.5 Primary A2BS0038S01 1/2/2007
SVOCs (µg/kg)	
1-Methyl naphthalene	< 22
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 22
Acenaphthene	44
Acenaphthylene	< 22
Anthracene	220
Benzo(a)anthracene	2600
Benzo(a)pyrene	3200
Benzo(b)fluoranthene	3100
Benzo(ghi)perylene	770
Benzo(k)fluoranthene	1400
bis(2-Ethylhexyl) phthalate	< 22
Butyl benzyl phthalate	NA
Chrysene	2700
Dibenzo(a,h)anthracene	280
Diethyl phthalate	12 J
Di-n-butyl phthalate	7.2 J
Fluoranthene	3200
Fluorene	13 J
Indeno(1,2,3-cd)pyrene	1100
Naphthalene	< 22
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	630
Pyrene	3500

A2BS0039	0.5 Primary A2BS0039S01 1/2/2007
SVOCs (µg/kg)	
1-Methyl naphthalene	7.6 J
2-Fluorobiphenyl	NA
2-Methylnaphthalene	12 J
Acenaphthene	6.7 J
Acenaphthylene	< 26
Anthracene	17 J
Benzo(a)anthracene	310
Benzo(a)pyrene	410
Benzo(b)fluoranthene	500
Benzo(ghi)perylene	110
Benzo(k)fluoranthene	190
bis(2-Ethylhexyl) phthalate	180
Butyl benzyl phthalate	NA
Chrysene	280
Dibenzo(a,h)anthracene	41
Diethyl phthalate	< 26
Di-n-butyl phthalate	13 J
Fluoranthene	280
Fluorene	< 26
Indeno(1,2,3-cd)pyrene	140
Naphthalene	39
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	65
Pyrene	300

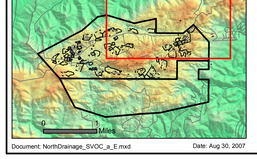
A2BS0037	0.5 Primary A2BS0037S01 12/19/2006
SVOCs (µg/kg)	
1-Methyl naphthalene	< 23
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 23
Acenaphthene	< 23
Acenaphthylene	< 23
Anthracene	< 23
Benzo(a)anthracene	52
Benzo(a)pyrene	83
Benzo(b)fluoranthene	88
Benzo(ghi)perylene	50
Benzo(k)fluoranthene	34
bis(2-Ethylhexyl) phthalate	10 J
Butyl benzyl phthalate	NA
Chrysene	54
Dibenzo(a,h)anthracene	13 J
Diethyl phthalate	6 J
Di-n-butyl phthalate	56
Fluoranthene	56
Fluorene	< 23
Indeno(1,2,3-cd)pyrene	54
Naphthalene	< 23
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	13 J
Pyrene	60

A2BS03	0.5 Primary MH315 5/17/2004
SVOCs (µg/kg)	
1-Methyl naphthalene	< 110
2-Fluorobiphenyl	NA
2-Methylnaphthalene	< 110
Acenaphthene	< 110
Acenaphthylene	< 110
Anthracene	< 110
Benzo(a)anthracene	< 110
Benzo(a)pyrene	< 110
Benzo(b)fluoranthene	< 110
Benzo(ghi)perylene	< 110
Benzo(k)fluoranthene	< 110
bis(2-Ethylhexyl) phthalate	NA
Butyl benzyl phthalate	NA
Chrysene	< 110
Dibenzo(a,h)anthracene	< 110
Diethyl phthalate	NA
Di-n-butyl phthalate	NA
Fluoranthene	< 110
Fluorene	< 110
Indeno(1,2,3-cd)pyrene	< 110
Naphthalene	< 110
p-Chloro-m-cresol	NA
Pentachlorophenol	NA
Phenanthrene	< 110
Pyrene	< 110

Area II Landfill — Area I Landfill — IEL — LOX — LOX-Western Debris Area — Extent of Lead Shot — Approximate Extent of Clay Target Particles — Former Rockwell Employee Shooting Range — B4

OUTFALL 001 — OUTFALL 002 — OUTFALL 003 — OUTFALL 004 — OUTFALL 005 — OUTFALL 006 — OUTFALL 007 — OUTFALL 008 — OUTFALL 009 — OUTFALL 010

SSRC01 — SSRC02 — A2LB01 — A2LB02 — A2LB03 — A2LB04 — A2LB05 — A2LB06 — A2LB07 — A2LB08 — A2LB09 — A2BS0036 — ND-1 — ND-2 — ND-3 — ND-4 — ND-5 — ND-6 — ND-7 — ND-8 — ND-9 — ND-10 — NDLS01 — NDLS15 — NDLS16 — NDLS17 — NDLS18 — NDLS19 — NDLS20 — NDLS22 — NDLS23 — NDLS24 — NDLS25 — NDLS26 — NDLS32 — NDLS39 — NDLS40 — NDLS41 — NDLS42 — NDLS46 — NDLS47 — NDLS48 — NDLS49 — NDLS65 — LXSS01 — LXSS02 — LXSS03 — LXSS04 — LXSX0001 — EVBM0024 — SSFL_061907-1 — SSFL_061907-2 — SSFL_061907-3 — ILBS65 — ILBS90 — ILBS91 — B1BS23 — B1BS24 — B1BS25



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ANSI E 44x34

1 inch equals 300 feet

0 300 600 Feet

Base Map Legend

- SSFL Property Boundary
- RFI Boundary
- Existing Building or Structure
- Removed Building or Structure
- Other Tanks
- Solvent Tank
- Petroleum Fuel/Oil Tank
- Hydrazine Tank
- Awning
- Dirt Road
- A/C Curbing
- Fence
- Pipe
- Leachfield
- NPDES Outfall
- Well
- Pond
- Possible Pond
- Drainage
- Surface Water Divide
- Elevation Contour
- Rock Outcrop

Debris Area

Sample Location represented for all samples collected, irrespective of analyte suite. Results posted for SVOCs only. Other analytical results depicted on data tables included in this plan or in previous submittals to DTSC (Boeing 2007).

MWH

Santa Susana Field Laboratory

Northern Drainage SVOC Chemical Data Results

(map 2 of 3) (pre June 2007 data) Figure 3