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Engineering & Environmental Services

A Report Prepared for:

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Attention: Mr. Tim Steele

PHASE II INVESTIGATION REPORT
101-ACRE HEATH PROPERTY
MOWRY AVENUE
NEWARK, CALIFORNIA

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1.0 INTRODUCTION

This report presents the results of a Phase II Investigation of the vacant Heath property located near the end of Mowry Avenue in Newark, California (the subject property or site) (Plate 1). The site consists of five parcels totaling approximately 101.2 acres. PES Environmental, Inc. (PES) was retained by Sobrato Development Companies (Sobrato) to compile and evaluate available information on existing environmental issues at the site, and to evaluate the potential for onsite and/or offsite releases of hazardous materials that may affect the subject property. PES understands that Sobrato is currently considering purchase of the site and is evaluating redevelopment of the property. It is also PES' understanding that approximately half of the site may be designated as wetlands and would not be developed. The non-wetland areas will likely require the import of at least a few feet of fill to raise the elevations of the site and the site may be used as part of a golf course or residential development.

PES performed a Phase I Environmental Assessment (ESA) prior to this Phase II Investigation. The results of the ESA are presented in a separate Phase I ESA report[1]. The scope of work for this Phase II investigation was developed based on the findings presented in that report.

2.0 BACKGROUND INFORMATION

The Phase I ESA identified the following items that could potentially present environmental concerns at the site:

- The site has been in agricultural use from at least the 1940s. No information is available concerning historical pesticide and/or herbicide use at the site;

- Imported soil, reportedly less than 100 cubic yards, was temporarily stored on the northwest corner of the subject property in the 1990s. No regulatory file information was available during the performance of the ESA concerning the nature of the soil. Based on an interview with Sobrato personnel, PES understands that the soil was imported from an offsite location and may have contained heavy fraction petroleum hydrocarbons that were part of a bioremediation project. PES also understands that the soils were reportedly removed from the subject property with oversight provided by the City of Newark Fire Department; and

- Historical contamination was identified on one of the adjacent auto dismantler facilities. Based on the presumed upgradient location of the facilities and the nature of activities performed at the facilities, the potential exists that activities at the adjacent facilities may have impacted environmental conditions at the subject property.

[1] PES Environmental, Inc., 2006. *Phase I Environmental Site Assessment, 101-Acre Heath Property, Mowry Avenue, Newark, California*. September 11.

Based on these observations, PES recommended that a Phase II investigation be performed at the site to evaluate the potential affects of historical site activities, including the former temporary soil stockpiles, possible historical pesticide/herbicide use, and potential environmental impacts to soil and groundwater on the subject property as a result of activities on the adjacent auto dismantling operations.

3.0 PHASE II INVESTIGATION PROCEDURES

In accordance with the Phase I ESA recommendations, PES performed a Phase II investigation at the site. The investigation consisted of the following Phase II activities: (1) pre-field activities; (2) shallow soil sampling and analysis to evaluate historical pesticide and/or herbicide use on the assumed non-wetland portions of the site; (3) grab groundwater sampling and analysis to evaluate potential impacts from the adjacent auto dismantler facility; and (4) surface soil sampling and analysis to evaluate potential impacts from runoff from the adjacent auto dismantler facility onto the subject property and from the imported soil temporarily stockpiled in the northwest corner of the property.

3.1 Pre-Field Activities

Prior to initiating the Phase II investigation, PES prepared a site specific Health and Safety Plan for the field activities. In addition, a private underground utility locating service was retained to clear the proposed grab groundwater boring locations for subsurface utilities and large debris. Cruz Brothers Locators of Scotts Valley, California performed the utility clearance on August 9, 2006. At least two business days prior to conducting subsurface activities, PES contacted Underground Service Alert (USA) to locate and mark utilities in the site vicinity. Additionally, PES prepared a workplan[2] for the grab groundwater sampling and submitted it to the Alameda County Water Agency (ACWA) for their review and approval. Upon receipt of workplan approval from the ACWA, PES coordinated with the ACWA inspector and Resonant Sonic International (RSI), the drilling contractor, to schedule the grab groundwater sampling event.

3.2 Shallow Soil Sampling and Analysis

On August 2 and 3, 2006, PES collected soil samples at 50 locations, approximately one per acre. The 50 sample locations coordinates were predetermined in a grid pattern across the site. These locations were selected in the assumed non-wetland areas of the site. At the time of PES sampling activity the wetlands delineation, being performed by others, was not yet completed. Using a Garmin Etrex Vista GPS unit, PES located sample points using latitude and longitude coordinates, within the unit's obtainable accuracy, typically 15 to 20 feet. Sample location coordinates are presented in Table 1, and sample locations are shown on Plate 2.

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[2] PES Environmental, Inc., 2006. *Workplan, Grab-Groundwater Sampling, 100-Acre Property North of Mowry Avenue, Newark, California*. August 9.

Soil samples were collected from 6 to 12 inches bgs at each location, and from 12 to 18 inches bgs at one of every two locations (one deeper sample per composite group). Soil samples were collected using a hand trowel. For deeper samples, a shovel was used to dig the hole to the desired depth, and a hand trowel was used to collect the sample. Sampling and digging equipment was cleaned using a non-phosphate detergent solution and deionized water rinse prior to each use. Upon collection, each soil sample was transferred to a laboratory-supplied jar, labeled, logged on a chain-of-custody form and placed into a chilled cooler.

All samples were delivered by PES staff to the project laboratory, Curtis and Tompkins, Ltd., of Berkeley, California, under chain-of-custody protocol. The samples collected from within the site were composited by twos (25 composite samples) by the laboratory for analysis of organochlorine pesticides by EPA Test Method 8081A and lead and arsenic by EPA Test Method 6010B on a standard 5-day turnaround time. In addition, eight composite samples from locations across the subject property were also analyzed for chlorinated herbicides using EPA Test Method 8151A. Based on the initial composite sample results, some of the deeper discrete soil samples were subsequently analyzed using EPA Test Method 8081A.

3.3 Grab Groundwater Sampling

Grab-groundwater samples were collected on August 25, 2006 from the four boring locations adjacent to the auto dismantler facility, as shown on Plate 3. Drilling and grab-groundwater sampling were conducted under the supervision of a PES engineer.

Drilling was conducted utilizing a truck-mounted direct push drill rig with 2-inch diameter stainless steel drive rods. Initial attempts were made to collect grab groundwater samples using a Hydropunch sampler with a detachable drive tip. The Hydropunch sampling device consists of a 1-¼ inch-diameter cylinder within an outer 2-inch-diameter stainless-steel 4-foot long retractable cylinder. The bottom 4 feet of the inner cylinder is screened to allow water to enter the screened sampling chamber when the outer cylinder is retracted. Prior to sampling, depth to groundwater was assumed to be approximately 8 to 10 feet below ground surface (ft bgs) across the site. Depth-discrete groundwater samples were to be collected by driving the Hydropunch sampler approximately 4 feet below the water table and retracting the outer cylinder to expose the 4 feet of screened interval. However, due to the tight soil formation, it was not possible to collect grab groundwater samples using the Hydropunch sampler.

The direct push rig was then outfitted with stainless steel drive rods fitted with a continuous core sampler. A continuous soil core was collected to facilitate identification of the actual depth to the water-bearing zone. A hard dry clay was identified from surface to approximately 16 feet bgs, with moisture content increasing with depth approaching an underlying layer of wet silty sand. Borings were advanced to 20 to 24 feet bgs, and depth-discrete groundwater samples were collected by slowly filling the appropriate laboratory supplied sample containers using a peristaltic pump. New tubing was used in the peristaltic pump for collection of each sample.

Sample containers were labeled to indicate project location, job number, sample number, and time and date collected and immediately placed in a chilled, thermally insulated cooler containing ice. All samples were delivered by PES staff to the project laboratory, Curtis and Tompkins, Ltd., of Berkeley, California, under chain-of-custody protocol.

Immediately following collection of the depth-discrete groundwater samples, the boreholes were backfilled and sealed by tremie-grouting with Portland cement mixed with an appropriate amount of clean water. All down-hole equipment was cleaned using a power washed and non-phosphate detergent at the commencement of fieldwork and between each borehole. Decontamination rinsate, excess bailed groundwater, and soil cutting have been temporarily containerized in 55-gallon DOT-approved drums and stored onsite for subsequent disposal or recycling pending chemical characterization.

The four grab groundwater samples were analyzed for the following: volatile organic compounds (VOCs) by U.S. EPA Test Method 8260B; total volatile hydrocarbons as gasoline (TVHg) and total extractable hydrocarbons as diesel (TEPHd) and motor oil (TEPHmo) by U.S. EPA Test Method 8015B with silica gel cleanup; dissolved California Title 22 (CAM 17) Metals by U.S. EPA Test Methods 6010B and 7470A; chloride by U.S. EPA Test Method 300.0; and specific conductance by U.S. EPA Test Method 120.1. Samples to be analyzed for dissolved metals were filtered and preserved by the project laboratory upon receipt.

3.4 Surface Soil Sampling

On August 25, 2006, PES collected eight surface soil samples. Four surface soil samples were collected from each of two areas, as described in Sections 3.4.1 and 3.4.2. Sample locations are shown on Plate 3.

Soil samples were collected from surface to 6 inches bgs at each location, after removal of organic overburden material, if any. A hand trowel was used to collect soil samples. The trowel was cleaned using a non-phosphate detergent solution and deionized water rinse prior to each use. Upon collection, each soil sample was transferred to a laboratory-supplied jar, labeled, logged on a chain-of-custody form and placed into a chilled cooler. All samples were delivered by PES staff to the project laboratory, Curtis and Tompkins, Ltd., of Berkeley, California, under chain-of-custody protocol, and analyzed as described below.

3.4.1 Surface Soil Sampling Adjacent to the Auto Dismantler Facility

The first surface soil sample area is along the western fenceline of the property, adjacent to the auto dismantler facility (HS-SS-01 through –04). Locations adjacent to the auto dismantler were selected: (1) to be representative of the area along the length of the western fenceline adjacent to the auto dismantler; (2) in low sports where runoff from the adjacent property may be expected to accumulate; and/or (3) in areas with vegetation suggestive of a wetter environment.

The four surface soil samples were analyzed for the following: TVHg, TEPHd and TEPHmo by U.S. EPA Test Method 8015B with silica gel cleanup; polychlorinated biphenyls (PCBs) by U.S. EPA Test Method 8082; and California Title 22 (CAM 17) Metals by U.S. EPA Test Methods 6010B and 7470A.

3.4.2 Surface Soil Sampling in Former Imported Soil Stockpile Area

The second surface soil sample area is the area believed to have been used for stockpiling imported soil in the early 1990s (HS-P-01 through –04). This area was identified based on visual indicators such as a gravel pad adjacent to the property access road, weathered plastic sheeting, and disturbed surficial soil indicative of scraping with earthwork equipment.

The four surface soil samples were analyzed for total volatile hydrocarbons as gasoline and total extractable hydrocarbons as diesel and motor oil by U.S. EPA Test Method 8015B with silica gel cleanup.

4.0 PHASE II INVESTIGATION RESULTS

Results of the shallow soil sampling, grab groundwater sampling, and surface soil sampling are described below.

4.1 Results of Shallow Soil Sampling and Analysis

Laboratory analytical results of the composite and discrete soil samples are presented below. Table 2 presents a summary of laboratory analytical results for chlorinated pesticides, arsenic and lead in composite soil samples. Table 3 presents laboratory analytical results for subsequent organochlorine pesticide analyses of discrete soil samples. Laboratory analytical reports and chain-of-custody forms are presented in the Appendix.

The discussions presented below include comparisons with regulatory agency screening levels for contaminants in residential soils. Because of the two-part compositing method used in the sampling and analytical program for this site, PES initially compared the laboratory results with concentrations equal to one-half of the published regulatory screening levels. This was performed as a conservative approach in the data evaluation because, theoretically, it is possible that one subsample contains all of the detected concentration of the contaminant and the other two subsamples may not contain any contaminants. This scenario is highly unlikely for former agricultural properties (because of the typical application methods of agricultural chemicals) but is used as a conservative approach in the data evaluation. For compounds of which concentrations were found to exceed one-half of the regulatory screening criteria, additional analyses of deeper discrete samples were performed to measure the concentrations in an attempt to quantify the vertical extent of soil containing concentrations in excess of screening criteria.

Typically, regulatory agencies set contaminant cleanup goals based on either: (1) comparison to screening levels; (2) risk-based assessments using various exposure models; and (3) comparison to naturally occurring background concentrations. For this report, where metals concentrations exceeded published regulatory screening guidelines for soil and groundwater, comparisons were made with published sources of information on background concentrations found at sites in California as discussed below.

For background concentrations of metals in soils, PES reviewed the Lawrence Berkeley National Laboratory (LBNL), Environmental Restoration Program, Protocol for Determining Background Concentrations of Metals in Soil at LBNL (LBNL Study). That study compiled ranges of naturally occurring metals found at that site.

An extensive summary of background metals concentrations in groundwater at various locations throughout California was published by Brian Davis, Ph D., Department of Toxic Substances Control and Philip M. Hunter, P.G., Air Force Center for Environmental Excellence. Their results are reported in "*Naturally Occurring Concentrations of Inorganic Chemicals in Groundwater and Soil at California Air Force Base Installations*" (Air Force Study).

4.1.1 Composite Soil Sample Results

The following sections present the results of laboratory analysis of metals, organochlorine pesticides, and herbicides in composite soil samples, as shown on Table 2. Laboratory analytical reports and chain of custody forms are included in the Appendix.

4.1.1.1 Lead and Arsenic in Composite Soil Samples

Lead and arsenic, elements that are common constituents of soil, were each detected in composite soil samples at a maximum concentration of 18 milligrams per kilogram (mg/kg). These concentrations are consistent with expected background concentrations of these elements in soil. Table 2 presents the Environmental Protection Agency Region 9 Preliminary Remediation Goals for Residential Soil (PRGs) and Department of Toxic Substances Control California Human Health Screening Levels for Residential Soil (CHHSLs) for lead and arsenic. The maximum concentration of lead was close to one order of magnitude less than the applicable PRG and CHHSL of 150 mg/kg. Therefore, it is unlikely that concentrations of lead in the discrete samples comprising the composite samples exceeded the PRGs and CHHSLs. The concentrations of arsenic in composite samples did exceed the California-modified PRGs and CHHSLs of 0.062 and 0.07 mg/kg, respectively. However, the reported concentrations are within the arsenic range of the LBNL Study of 9.3 to 31 mg/kg and may be background for the subject property.

4.1.1.2 Organochlorine Pesticides in Composite Soil Samples

Ten organochlorine pesticides were detected in one or more composite soil samples, including heptachlor epoxide, 4,4'-DDT, 4,4'-DDD, 4,4'-DDE, endosulfan I, endosulfan sulfate, endrin, endrin aldehyde, alpha-chlordane and toxaphene. Endrin, 4,4'-DDT, 4,4'-DDD, 4,4'-DDE and toxaphene were most commonly detected. These five organochlorine pesticides were found in at least 17 composite soil samples.

The other five organochlorine pesticides were detected in 5 or less composite samples. The maximum concentrations of these five pesticides, heptachlor epoxide, endosulfan I, endrin, gamma-chlordane and alpha-chlordane, were less than one-half the applicable PRGs and CHHSLs. Therefore, it is unlikely that concentrations of these five pesticides exceeded the PRGs and CHHSLs in any one of the discrete samples comprising the composite samples.

Of the more frequently detected pesticides, only toxaphene was detected in composite samples at concentrations exceeding one-half of the respective PRG and/or CHHSL, as shown on Table 2. Toxaphene was detected in 24 of 25 composite samples at concentrations of up to 1,700 mg/kg, above the PRG of 440 μg/kg and CHHSL of 460 μg/kg in all but 2 composite samples.

Because composite sample results exceeded the PRG and CHHSL for toxaphene, six discrete samples were analyzed in an attempt to characterize the vertical extent of organochlorine pesticides at the site. The deeper samples (12 to 18 inches deep) collected beneath the six composites with the highest concentrations of toxaphene (HS-3B, HS-5B, HS-9B, HS-16B, HS-18B and HS-24B) were analyzed for organochlorine pesticides. Discrete sample results are presented in Table 3 and discussed in Section 4.1.2.

4.1.1.3 Chlorinated Herbicides in Composite Soil Samples

No chlorinated herbicides were detected above laboratory reporting limits in any of the 8 two-point composite samples that were analyzed for chlorinated herbicides. As such, chlorinated herbicide results were not tabulated. Laboratory reporting limits for chlorinated herbicides were less than one-half the applicable PRGs and CHHSLs and are included in the laboratory analytical reports in the Appendix.

4.1.2 Discrete Sample Results

Table 3 presents the results of laboratory analysis of organochlorine pesticides in discrete soil samples. Laboratory analytical reports and chain of custody forms are included in the Appendix. Discrete soil samples collected from 12 to 18 inches bgs beneath the six composite sample locations with the highest concentrations of toxaphene were analyzed for organochlorine pesticides. Toxaphene was detected in all 6 discrete samples at concentrations ranging from 870 to 3,100 μg/kg; all concentrations exceed the PRG of 440 μg/kg and CHHSL of 460 μg/kg. Additionally, the dieldrin concentration detected in sample HS-18B-1.0

(85 μg/kg) exceeds the PRG and CHHSL of 30 and 35 μg/kg, respectively. Also, the concentration of 4,4-DDE' detected in sample HS-16B-1.0 (880 μg/kg) is greater than one-half the respective PRG and CHHSL of 1,700 and 1,600 μg/kg, respectively.

The data indicate that the residual pesticides at these locations extend at least 18 inches below ground surface. Considering the very fine-grained and low permeability soil characteristics and the low mobility potential of chlorinated pesticides, significant vertical migrations would not be expected.

4.2 Results of Grab Groundwater Sampling

Table 4 presents the laboratory analytical results of grab groundwater sampling. The grab groundwater sampling results for water quality parameters and chemical analyses are summarized below.

4.2.1 Water Quality Parameters

Two water quality parameters, chloride and specific conductance (conductivity), were measured by the laboratory. These parameters provide an indication of the suitability of groundwater for use as drinking water. The California recommended Secondary Maximum Contaminant Levels (SMCLs) for chloride and conductivity are 250 milligrams per liter (mg/L) and 900 micromhos per centimeter (μmhos/cm), respectively. All measured values of chloride and conductivity are more than 5 times the recommended SMCLs, indicating shallow groundwater at the site is not suitable for use as drinking water. As such, the criteria selected for evaluation of constituents detected in groundwater are as follows:

- Regional Water Quality Control Board, San Francisco Bay Region (SFRWQCB) Environmental Screening Levels (ESLs) for groundwater that is not a potential source of drinking water; and

- The SFRWQB ESLs for surface water in estuarine environments.

Screening level criteria for groundwater based on drinking water standards, such as ESLs for groundwater that is a potential source of drinking water, or the California Maximum Contaminant Levels (MCLs), were deemed not appropriate for evaluation of site groundwater.

4.2.2 Results of Chemical Analyses

TVHg, TEPHd and TEPHmo were not detected in grab groundwater samples. However, benzene and toluene, common constituents of petroleum hydrocarbons, were detected in 2 of 4 grab groundwater samples (HS-GQ-02 and HS-GQ-04) at concentrations of up to 1.5 and 0.9 micrograms per liter (μg/L), respectively. Acetone was detected in sample HS-GW-04 at a concentration of 17 μg/L. None of these concentrations exceed the respective groundwater or surface water ESLs.

Four dissolved metals were detected in groundwater, including arsenic, barium, molybdenum and nickel. Dissolved metals results are as follows:

- Arsenic was detected in 3 of 4 samples at 7.6 to 12 μg/L;
- Barium was detected in all four samples at up to 130 μg/L;
- Molybdenum was detected in one sample (HS-GW-04) at 23 μg/L; and
- Nickel was detected in two samples at up to 22 μg/L.

Concentrations of barium and molybdenum do not exceed screening criteria. The detected concentrations of arsenic and nickel exceed the respective screening criteria of 0.14 μg/L for arsenic (Surface Water ESL) and 8.2 for nickel (both ESLs). However, the reported concentrations of arsenic and nickel may be representative of background concentrations. In the Air Force Study for naturally occurring metals in groundwater, the best statistical background concentration for arsenic was reported at 50 μg/L and 430 μg/L for nickel.

4.3 Surface Soil Sampling Results

Surface soil sampling results for the two sampling areas are included in Tables 5 and 6 and are discussed in the following sections. Criteria selected for evaluation of constituents detected in surface soil are as follows:

- Metals are compared to residential PRGs and CHHSLs; and
- Petroleum hydrocarbons (e.g., gasoline, diesel and motor oil), for which PRGs and CHHSLs have not been promulgated, are compared to Regional Water Quality Control Board, San Francisco Bay Region (SFRWQCB) Environmental Screening Levels (ESLs) for shallow soil in residential areas where groundwater is not a potential source of drinking water.

Screening level criteria for soil for protection of groundwater as a drinking water resource were deemed not appropriate for evaluation of site soil, due to the unsuitability of shallow site groundwater for use as drinking water, as discussed in Section 4.2.1.

4.3.1 Results of Surface Soil Sampling Adjacent to the Auto Dismantler Facility

Results of surface soil samples collected adjacent to the auto dismantler facility (HS-SS-01 through –04) are presented in Tables 5 and 6. Table 5 presents results of petroleum hydrocarbon analyses and Table 6 presents results of CAM 17 Metals analyses.

TVHg was not detected in surface soil samples at concentrations above 1 milligram per kilogram (mg/kg). TEPHd and TEPHmo were detected in all four samples at up to 200 and 920 mg/kg, respectively. The laboratory narrative indicates that the TEPHd samples do not

match the laboratory standard for diesel, and that heavier hydrocarbons contributed to the quantification of TEPHd. Concentrations in sample HS-SS-02 exceed the respective SFRWQCB ESLs of 100 and 500 mg/kg for middle distillates (diesel) and residual fuels (motor oil) in shallow soil where groundwater is not a potential source of drinking water. PCBs were not detected above laboratory reporting limits in the four samples. As such, PCB results were not tabulated. Laboratory reporting limits for PCB analyses are included in the laboratory analytical reports in the Appendix.

Results of metals analyzes indicate the concentrations of arsenic detected in all samples exceed the respective PRG and CHHSL of 0.062 and 0.07 mg/kg but, as cited above in Section 4.1.1.1, may be representative of naturally occurring arsenic concentrations. Two of four detected concentrations of cadmium (2.4 and 3.7 mg/kg) exceed the respective CHHSL for residential soil of 1.7 mg/kg. The LBNL Study reported naturally occurring cadmium levels from 1.5 to 3.3 mg/kg. The maximum subject property concentration of 3.7 slightly exceeds this range.

4.3.2 Results of Surface Soil Sampling in Former Imported Soil Stockpile Area

Concentrations of hydrocarbons in soil in the former imported soil stockpile area are similar to those detected in the samples collected adjacent to the former auto dismantler. TVHg was not detected in surface soil samples at concentrations above 1 milligram per kilogram (mg/kg). TEPHd and TEPHmo were detected in all four samples at up to 55 and 190 mg/kg, respectively. These concentrations do not exceed respective ESLs. The laboratory notes for these samples indicate that: (1) the TEPHd chromatograms do not match the laboratory standard for diesel; (2) heavier hydrocarbons contributed to the quantification of TEPHd; and (3) both heavier and lighter hydrocarbons contributed to the quantification of TEPHmo.

5.0 CONCLUSIONS

In accordance with the recommendations made in PES' Phase I ESA for the subject property, investigations were performed within the presumed non-wetland areas of the site that may be subject to development in the future.

There was evidence of residual agricultural chemicals that exceed residential soil screening criteria, especially for toxaphene, in the shallow soils throughout the site. Chlorinated herbicides were not detected in any of the soil samples. Lead and arsenic were detected in shallow soil samples at concentrations that appear to be representative of background conditions.

Low concentrations of VOCs, including acetone, benzene and toluene, were detected in shallow groundwater along the property boundary with the adjacent auto dismantler. Additionally, four dissolved metals were detected in groundwater: arsenic, barium, molybdenum and nickel. None of these detections on the subject property are expected to

require remediation, since chloride and conductivity analyses indicate groundwater beneath the site is not suitable for use as drinking water, and there is no recognized or anticipated exposure to groundwater at the site.

TVHg was not detected in the 8 soil samples for which it was analyzed. TEPHd and TEPHmo were detected in the eight surface soil samples for which they were analyzed. Concentrations of TEPHd and TEPHmo exceed the respective ESLs in only one sample. Although the exact source of these reported heavy fraction hydrocarbons is not known, they may be due to former agriculture use on the property such as a carrier liquid for pesticide applications or from vehicle use during discing and mowing. Regardless of the source, it does not appear to be significant concern for the intended use of the property.

PCBs were not detected in surface soil samples collected adjacent to the auto dismantler facility, and metals detected in those surface soil samples were either below respective PRGs and CHHSLs or likely representative of background conditions, in the case of arsenic and cadmium. Surface soil sampling results do not indicate significant impacts to surficial soil at the subject property due to: (1) runoff from the adjacent auto dismantler facility; or (2) historical stockpiling of imported soil near the entrance to the site off Mowry Avenue.

PES understands that development plans for the non-wetland portions of the property would include import of at least a few feet of fill to raise the elevation of the site. Future site use, although not known at this time, may be a golf course or residential. Filling the site with clean imported fill material will reduce or eliminate future long term exposure to the residual agricultural chemicals encountered across the site and site use can be designed to avoid unacceptable exposures or risks due to the residual contaminants.

Although residential use may not be a likely option for the property, if the site is to be developed for residential use, soils with elevated levels of toxaphene, cadmium and/or heavy hydrocarbons may need to be further addressed. Options for these soils include, but are not limited to: capping, grading, bioremediation, relocation and/or conducting a risk assessment to evaluate whether these soils present a risk to human health under the future redevelopment plan. Once the development plans are further defined, a more detailed analysis of options can be prepared and appropriate mitigation measures, if needed, can be incorporated into the design.

TABLES

Table 1
Summary of Sample Information
Sobrato Development Companies 100-Acre Heath Site
Mowry Avenue
Newark, California

Location	Coordinates		Accuracy (feet)
	Latitude	Longitude	
HS-1A	37.30.916	122.00.719	16
HS-1B	37.30.872	122.00.708	16
HS-2A	37.30.894	122.00.676	16
HS-2B	37.30.883	122.00.642	16
HS-3A	37.30.837	122.00.692	18
HS-3B	37.30.860	122.00.659	15
HS-4A	37.30.807	122.00.669	16
HS-4B	37.30.831	122.00.635	14
HS-5A	37.30.852	122.00.604	14
HS-5B	37.30.829	122.00.575	14
HS-6A	37.30.781	122.00.642	14
HS-6B	37.30.803	122.00.610	16
HS-7A	37.30.744	122.00.630	21
HS-7B	37.30.766	122.00.598	15
HS-8A	37.30.788	122.00.564	15
HS-8B	37.30.811	122.00.531	14
HS-9A	37.30.718	122.00.602	14
HS-9B	37.30.740	122.00.568	16
HS-10A	37.30.762	122.00.537	15
HS-10B	37.30.784	122.00.504	15
HS-11A	37.30.691	122.00.575	15
HS-11B	37.31.714	122.00.541	16
HS-12A	37.30.736	122.00.508	16
HS-12B	37.30.759	122.00.475	16
HS-13A	37.30.647	122.00.640	16
HS-13B	37.30.621	122.00.614	17
HS-14A	37.30.643	122.00.582	16
HS-14B	37.30.665	122.00.547	15
HS-15A	37.30.687	122.00.514	20
HS-15B	37.30.709	122.00.481	14
HS-16A	37.30.732	122.00.448	14
HS-16B	37.30.705	122.00.420	14
HS-17A	37.30.572	122.00.618	18
HS-17B	37.30.594	122.00.586	14
HS-18A	37.30.616	122.00.553	18
HS-18B	37.30.639	122.00.519	16
HS-19A	37.30.661	122.00.485	13
HS-19B	37.30.683	122.00.453	16

Table 1
Summary of Sample Information
Sobrato Development Companies 100-Acre Heath Site
Mowry Avenue
Newark, California

Location	Coordinates		Accuracy (feet)
	Latitude	Longitude	
HS-20A	37.30.568	122.00.557	14
HS-20B	37.30.590	122.00.524	19
HS-21A	37.30.612	122.00.490	15
HS-21B	37.30.635	122.00.458	14
HS-22A	37.30.657	122.00.425	20
HS-22B	37.30.678	122.00.392	20
HS-23A	37.30.541	122.00.531	21
HS-23B	37.30.564	122.00.496	18
HS-24A	37.30.586	122.00.465	15
HS-24B	37.30.608	122.00.430	15
HS-25A	37.30.630	122.00.396	17
HS-25B	37.30.654	122.00.364	17

Table 2
Summary of Laboratory Analytical Results - Shallow Composite Soil Samples
Sobrato Development Companies 100-Acre Heath Site
Mowry Avenue
Newark, California

Sample Identification	Sample Date	Sample Depth (feet bgs)	Heptachlor epoxide (µg/kg)	Endosulfan I (µg/kg)	Endosulfan sulfate (µg/kg)	Endrin (µg/kg)	Endrin aldehyde (µg/kg)	4,4'-DDE (µg/kg)	4,4'-DDD (µg/kg)	4,4'-DDT (µg/kg)	alpha-Chlordane (µg/kg)	Toxaphene (µg/kg)	Arsenic (mg/kg)	Lead (mg/kg)
HS-1	8/2/2006	0.0-0.5	ND(34)	ND(34)	ND(66)	ND(66)	ND(66)	71	ND(66)	ND(66)	ND(34)	ND(1,200)	4.4	8.1
HS-2	8/2/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(16)	22	ND(16)	110	ND(16)	36 C	ND(8.5)	660	4.5	11
HS-3	8/2/2006	0.0-0.5	ND(8.5)	ND(8.5)	32 C	51	ND(17)	260	17	69 C	ND(8.5)	1,200	5.8	10
HS-4	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	69 C	ND(17)	210	ND(17)	56 C	ND(8.6)	790	5.1	9.7
HS-5	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	67 C	ND(17)	200	ND(17)	26	ND(8.6)	830	4.4	9.6
HS-6	8/2/2006	0.0-0.5	ND(8.4)	ND(8.4)	ND(16)	89 C	ND(16)	330	69 C	37	ND(8.4)	970	3.7	8.8
HS-7	8/2/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(17)	89 C	ND(17)	320	61 C	75 C	ND(8.5)	950	3.2	9.0
HS-8	8/2/2006	0.0-0.5	ND(8.4)	ND(8.4)	ND(16)	46	ND(16)	310	43 C	24	ND(8.4)	810	4.6	9.8
HS-9	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	66	ND(17)	530	54	110 C	ND(8.6)	1,500	3.6	10
HS-10	8/2/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(17)	37	ND(17)	280	ND(17)	ND(17)	ND(8.5)	700	3.0	7.8
HS-11	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	49	ND(17)	310	29	32	ND(8.6)	970	4.6	7.9
HS-12	8/2/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(17)	21	ND(17)	340	20	ND(17)	ND(8.5)	350	2.9	7.9
HS-13	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	ND(17)	430	28	68 C	ND(8.6)	1,000	9.3	9.2
HS-14	8/2/2006	0.0-0.5	ND(8.4)	ND(8.4)	ND(16)	25 C	17 C	630	ND(16)	60	ND(8.4)	1,600	7.7	7.7
HS-15	8/2/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(17)	28	ND(17)	520	26	21	ND(8.5)	710	11	8.2
HS-16	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	60	ND(17)	770	ND(17)	39	ND(8.5)	590	6.7	9.2
HS-17	8/2/2006	0.0-0.5	14 C	ND(8.5)	ND(17)	36	20 C	460	75 C	99 C	ND(8.5)	1,100	16	10
HS-18	8/2/2006	0.0-0.5	12	9.1 C	ND(16)	33 C	23 C	670	75 C	150 C	10	1,700	11	9.1
HS-19	8/2/2006	0.0-0.5	11	ND(8.5)	ND(16)	47	18 C	520	63 C	25	ND(8.5)	840	9.8	9.3
HS-20	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	ND(17)	280	45	20	ND(8.6)	460	18	10
HS-21	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	32 C	ND(17)	560	ND(17)	38	ND(8.6)	780	15	9.4
HS-22	8/2/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(17)	51	ND(17)	490	37	38	ND(8.5)	570	8.7	11
HS-23	8/2/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(16)	ND(16)	19 C	470	80	27	ND(8.5)	660	17	9.5
HS-24	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	ND(17)	260	34 C	19	ND(8.6)	590	9.0	8.3
HS-25	8/2/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(16)	43	ND(16)	480	46	77 C	ND(8.5)	690	10	18
EPA Region 9 PRGs			**53**	**370,000**	**none**	**18,000**	**none**	**1,700**	**2,400**	**1,700**	**1,600**	**440**	**0.062(1)**	**150(1)**
DTSC CHHSLs			**none**	**none**	**none**	**21,000**	**none**	**1,600**	**2,300**	**1,600**	**430**	**460**	**0.07**	**150**

Notes:
Analysis of organochlorine pesticides by U.S. EPA Test Method 8081A
µg/kg - micrograms per kilogram
Analysis of lead and arsenic by U.S. EPA Test Method 6010B
mg/kg - milligrams per kilogram
ND(17) - Not detected at or above the indicated laboratory reporting limit.
C - Presence confirmed, but relative percent difference between instrument columns exceed 40%
EPA Region 9 PRGs - Environmental Protection Agency Region 9 Preliminary Remediation Goals for residential roil
DTSC CHHSLs - California Environmental Protection Agency, Department of Toxic Substances Control, California Human Health Screening Levels for residential soil
(1) CAL-Modified PRG
Shading indicates concentration exceeds one or more regulatory screening levels

Table 3
Summary of Laboratory Analytical Results - Shallow Discrete Soil Samples
Sobrato Development Companies 100-Acre Heath Site
Mowry Avenue
Newark, California

Sample Identification	Sample Date	Sample Depth (feet bgs)	Heptachlor epoxide (µg/kg)	Endosulfan I (µg/kg)	Endosulfan II (µg/kg)	Endosulfan sulfate (µg/kg)	Dieldrin (µg/kg)	Endrin (µg/kg)	Endrin aldehyde (µg/kg)	4,4'-DDE (µg/kg)	4,4'-DDD (µg/kg)	4,4'-DDT (µg/kg)	alpha-Chlordane (µg/kg)	gamma-Chlordane (µg/kg)	Toxaphene (µg/kg)
HS-3B-1.0	8/3/2006	1.0-1.5	ND(8.5)	ND(8.5)	ND(17)	ND(17)	ND(17)	**56 C**	ND(17)	**170**	ND(17)	**45**	ND(8.5)	**9.1**	**1,600**
HS-5B-1.0	8/3/2006	1.0-1.5	ND(8.4)	ND(8.4)	ND(16)	ND(16)	ND(16)	**120 C**	ND(16)	**250**	ND(16)	**47**	ND(8.4)	ND(8.4)	**870**
HS-9B-1.0	8/1/2006	1.0-1.5	ND(8.4)	ND(8.4)	ND(16)	ND(16)	ND(16)	**60**	ND(16)	**500**	**34**	**74**	ND(8.4)	ND(8.4)	**990**
HS-16B-1.0	8/3/2006	1.0-1.5	ND(8.6)	ND(8.6)	ND(17)	**17 C**	ND(17)	ND(17)	ND(17)	**880**	**80 C**	**47 C**	ND(8.6)	ND(8.6)	**1,400**
HS-18B-1.0	8/3/2006	1.0-1.5	ND(8.4)	**17 C**	**58**	**33**	**85 C**	**76**	**98 C**	**600**	**100 C**	**100**	ND(8.4)	**36 C**	**3,100**
HS-24B-1.0	8/3/2006	1.0-1.5	ND(8.5)	ND(8.5)	ND(16)	DN(16)	ND(16)	**41**	ND(16)	**210**	**37**	**47 C**	ND(8.5)	**16 C**	**1,700**
EPA Region 9 PRGs			**53**	**370,000**	**none**	**none**	**30**	**18,000**	**none**	**1,700**	**2,400**	**1,700**	**1,600**	**1,600**	**440**
DTSC CHHSLs			**none**	**none**	**none**	**none**	**35**	**21,000**	**none**	**1,600**	**2,300**	**1,600**	**430**	**430**	**460**

Notes:
Analysis of organochlorine pesticides by U.S. EPA Test Method 8081A
µg/kg - micrograms per kilogram
Analysis of lead and arsenic by U.S. EPA Test Method 6010B
mg/kg - milligrams per kilogram
ND(17) - Not detected at or above the indicated laboratory reporting limit.
C - Presence confirmed, but relative percent difference between instrument columns exceed 40%
EPA Region 9 PRGs - Environmental Protection Agency Region 9 Preliminary Remediation Goals for residential soil
DTSC CHHSLs - California Environmental Protection Agency, Department of Toxic Substances Control, California Human Health Screening Levels for residential soil
(1) CAL-Modified PRG
Shading indicates concentration exceeds one or more regulatory screening levels

Table 4
Summary of Laboratory Analytical Results - Water Samples
Sobrato Development Companies 100-Acre Heath Site
Mowry Avenue
Newark, California

Sample Identification	Sample Date	TVHg (µg/L)	TEPHd (µg/L)	TEPHmo (µg/L)	Acetone (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Dissolved Arsenic (µg/L)	Dissolved Barium (µg/L)	Dissolved Molybdenum (µg/L)	Dissolved Nickel (µg/L)	Chloride (mg/L)	Specific Conductance (µmhos/cm)
HS-GW-01	8/25/2006	ND(50)	ND(50)	ND(300)	ND(10)	ND(0.5)	ND(0.5)	ND(5.0)	**130**	ND(20)	**21**	**1,800**	**4,650**
HS-GW-02	8/25/2006	ND(50)	ND(50)	ND(300)	ND(10)	**0.8**	**0.7**	**12**	**52**	ND(20)	ND(20)	**2,500**	**5,520**
HS-GW-03	8/25/2006	ND(50)	ND(50)	ND(300)	ND(10)	**1.5**	**0.9**	**7.6**	**60**	ND(20)	**22**	**3,000**	**6,040**
HS-GW-04	8/25/2006	ND(50)	ND(50)	ND(300)	**17**	ND(0.5)	ND(0.5)	**11**	**98**	**23**	ND(20)	**4,100**	**6,040**
ESL (Non-Drinking Water)		**500**	**640**	**640**	**1,500**	**46**	**130**	**36**	**1000**	**240**	**8.2**	**N/A**	**N/A**
ESL (Surface Water)		**500**	**640**	**640**	**1,500**	**46**	**40**	**0.14**	**1000**	**240**	**8.2**	**N/A**	**N/A**

Notes:
TVHg - Total volatile hydrocarbons quantified as gasoline
TEPHd - Total extractable petroleum hydrocarbons quantified as diesel
TEPHmo - Total extractable petroleum hydrocarbons quantified as motor oil
Analysis of TVHg, TEPHd and TEPHmo by U.S. EPA Test Method 8015B.
Analysis of volatile organic compounds, including acetone, benzene and toluene, by U.S. EPA Test Method 8260B.
Analysis of California Title 22 dissolved metals by U.S. EPA Test Methods 6010B and 7471A.
µg/L - micrograms per liter
mg/L - milligrams per liter
µmhos/cm - micromhos per centimeter
ND(17) - Not detected at or above the indicated laboratory reporting limit.
N/A - Not applicable
ESL - Regional Water Quality Control Board, San Francisco Region (SFRWQCB) Environmental Screening Level
ESL (Non-Drinking Water) - ESL for groundwater that is NOT a current or potential source of drinking water
ESL (Surface Water) - ESL for groundwater in estuarine surface water bodies
Shading indicates concentration exceeds one or more regulatory screening levels

Table 5
Summary of Laboratory Analytical Results - Total Petroleum Hydrocarbons in Surface Soil Samples
Sobrato Development Companies 100-Acre Heath Site
Mowry Avenue
Newark, California

Sample Identification	Sample Date	TVHG (mg/kg)	TEPHd (mg/kg)	TEPHmo (mg/kg)
HS-SS-01	8/25/2006	ND(1.0)	**32 H Y**	**170**
HS-SS-02	8/25/2006	ND(0.96)	**200 H Y**	**920**
HS-SS-03	8/25/2006	ND(0.93)	**34 H Y**	**170**
HS-SS-04	8/25/2006	ND(1.0)	**57 H Y**	**250**
HS-P-01	8/25/2006	ND(0.99)	**42 H Y**	**190 H L**
HS-P-02	8/25/2006	ND(0.96)	**55 H Y**	**180 H L**
HS-P-03	8/25/2006	ND(1.0)	**25 H Y**	**96 H L**
HS-P-04	8/25/2006	ND(1.0)	**32 H Y**	**120 H L**
ESL (Non-Drinking Water)		**100**	**100**	**500**

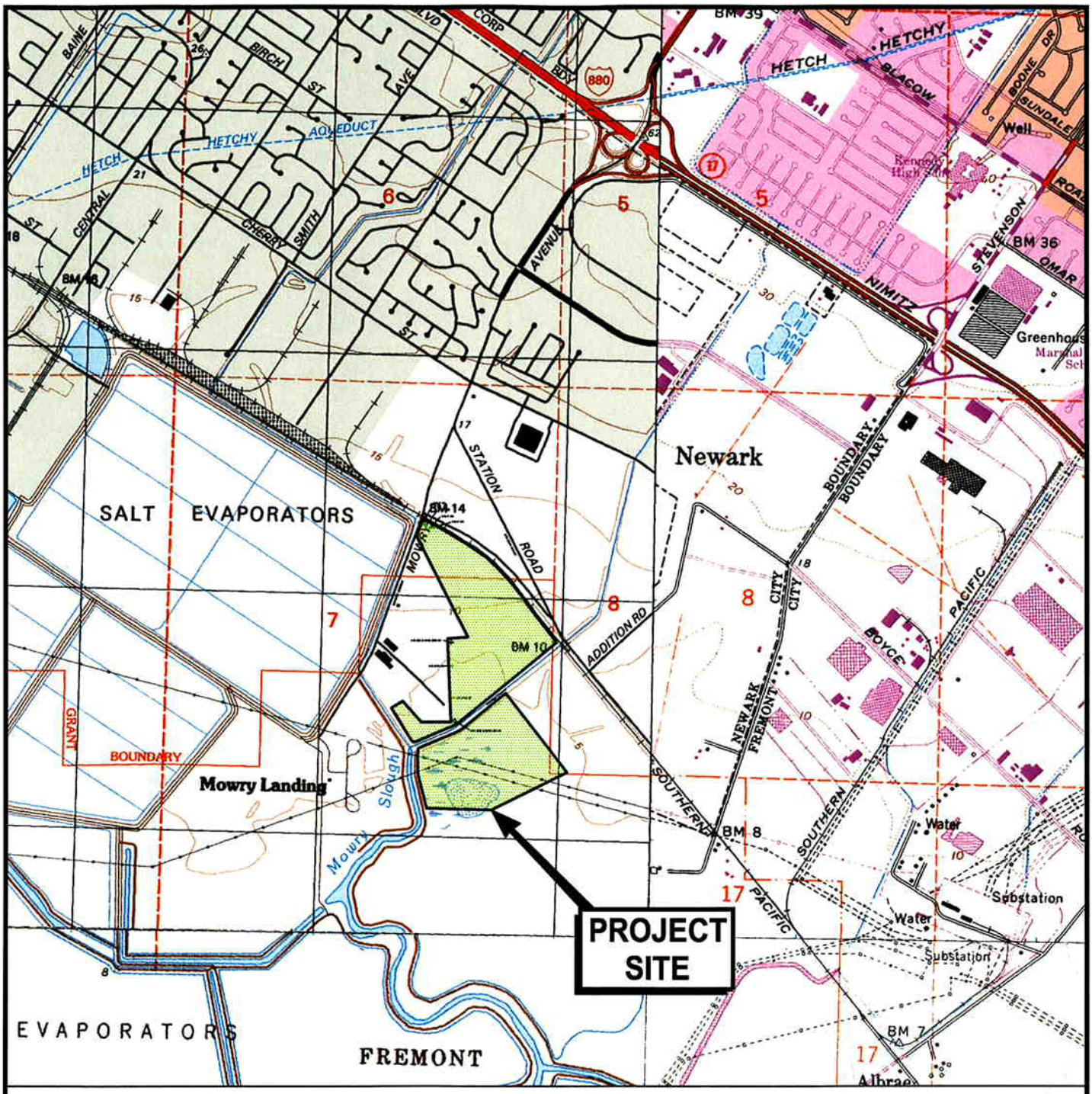
Notes:
TVHg - Total volatile hydrocarbons quantified as gasoline
TEPHd - Total extractable petroleum hydrocarbons quantified as diesel
TEPHmo - Total extractable petroleum hydrocarbons quantified as motor oil
Analysis of TVHg, TEPHd and TEPHmo by U.S. EPA Test Method 8015B
µg/kg - micrograms per kilogram
Analysis of lead and arsenic by U.S. EPA Test Method 6010B
mg/kg - milligrams per kilogram
ND(17) - Not detected at or above the indicated laboratory reporting limit.
H - Heavier hydrocarbons contributed to the quantification
Y - Sample exhibits chromatographic pattern which does not resemble standard
L - Lighter hydrocarbons contributed to the quantification
ESL - Regional Water Quality Control Board, San Francisco Region (SFRWQCB) Environmental Screening Level
ESL (Non-Drinking Water) - ESL for for shallow residential soil where groundwater is NOT a current or potential source of drinking water
Shading indicates concentration exceeds one or more regulatory screening levels

Table 6
Summary of Laboratory Analytical Results - California Title 22 Metals in Surface Soil Samples
Sobrato Development Companies 100-Acre Heath Site
Mowry Avenue
Newark, California

Sample Identification	Sample Date	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
HS-SS-01	8/25/06	ND(3.0)	22	240	0.47	2.4	67	15	64	59	0.040	1.3	84	0.73	ND(0.25)	ND(0.25)	58	460
HS-SS-02	8/25/06	ND(3.0)	10	150	0.21	0.73	39	6.9	23	15	0.068	2.4	30	1.6	ND(0.25)	ND(0.25)	24	160
HS-SS-03	8/25/06	ND(3.0)	12	120	0.30	3.7	54	14	78	110	0.064	7.2	73	1.1	ND(0.25)	ND(0.25)	44	770
HS-SS-04	8/25/06	ND(3.0)	8.4	360	0.40	0.54	49	8.2	29	15	0.13	ND(1.0)	45	1.6	ND(0.25)	ND(0.25)	30	72
EPA Region 9 PRGs		**31**	**0.062(1)**	**5,400**	**150**	**37**	**210(2)**	**900**	**3,100**	**150(1)**	**23**	**390**	**1,600**	**390**	**390**	**5.2**	**78**	**23,000**
DTSC CHHSLs		**30**	**0.07**	**5,200**	**150**	**1.7**	**100,000(3)**	**900**	**3,000**	**150**	**18**	**380**	**1,600**	**380**	**380**	**5.0**	**530**	**23,000**

Notes:
Analysis of all metals except mercury by U.S. EPA Test Method 6010B
Analysis of mercury by U.S. EPA Test Method 7471A
mg/kg - milligrams per kilogram
ND(17) - Not detected at or above the indicated laboratory reporting limit.
EPA Region 9 PRGs - Environmental Protection Agency Region 9 Preliminary Remediation Goals for residential soil
DTSC CHHSLs - California Environmental Protection Agency, Department of Toxic Substances Control, California Human Health Screening Levels for residential soil
(1) CAL-Modified PRG
(2) PRG for 1:6 ratio of trivalent chromium to hexavelent chromium
(3) CHHSL for trivalent chromium
Shading indicates concentration exceeds one or more regulatory screening levels

ILLUSTRATIONS



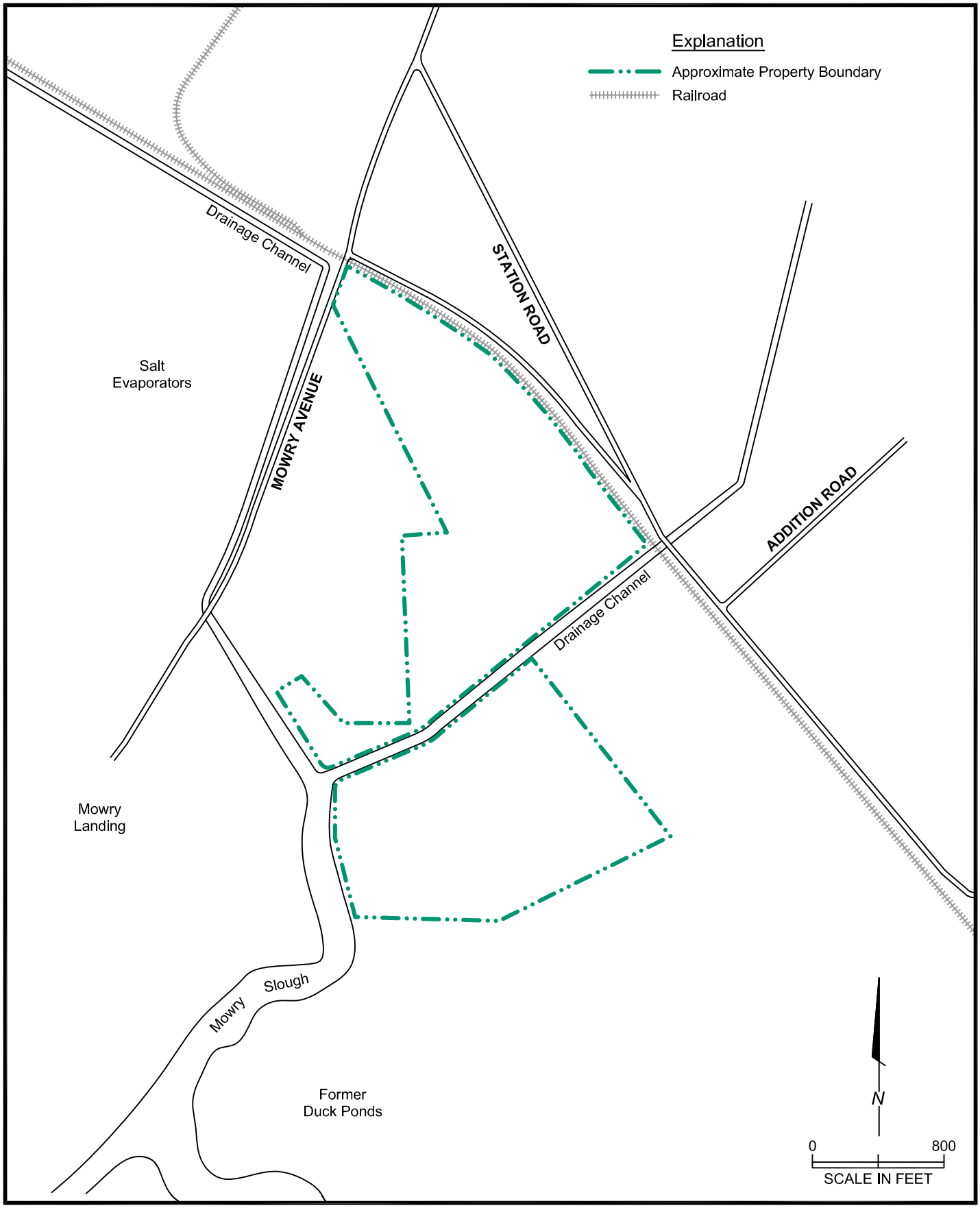
U.S.G.S. Topo Map - Niles, California, 7.5-minute quadrangle.1961 photorevised 1980
U.S.G.S. Topo Map - Newark, California, 7.5-minute quadrangle.1959 photorevised 1980
U.S.G.S. Topo Map - Milpitas, California, 7.5-minute quadrangle.1961 photorevised 1980
U.S.G.S. Topo Map - Mountain View, California, 7.5-minute quadrangle.1961 photorevised 1981

PES Environmental, Inc.
Engineering & Environmental Services

Site Location Map
Heath Property
Mowry Avenue
Newark, California

PLATE
1

126.056.01.001	126-05601001_0706	AL	9/06
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

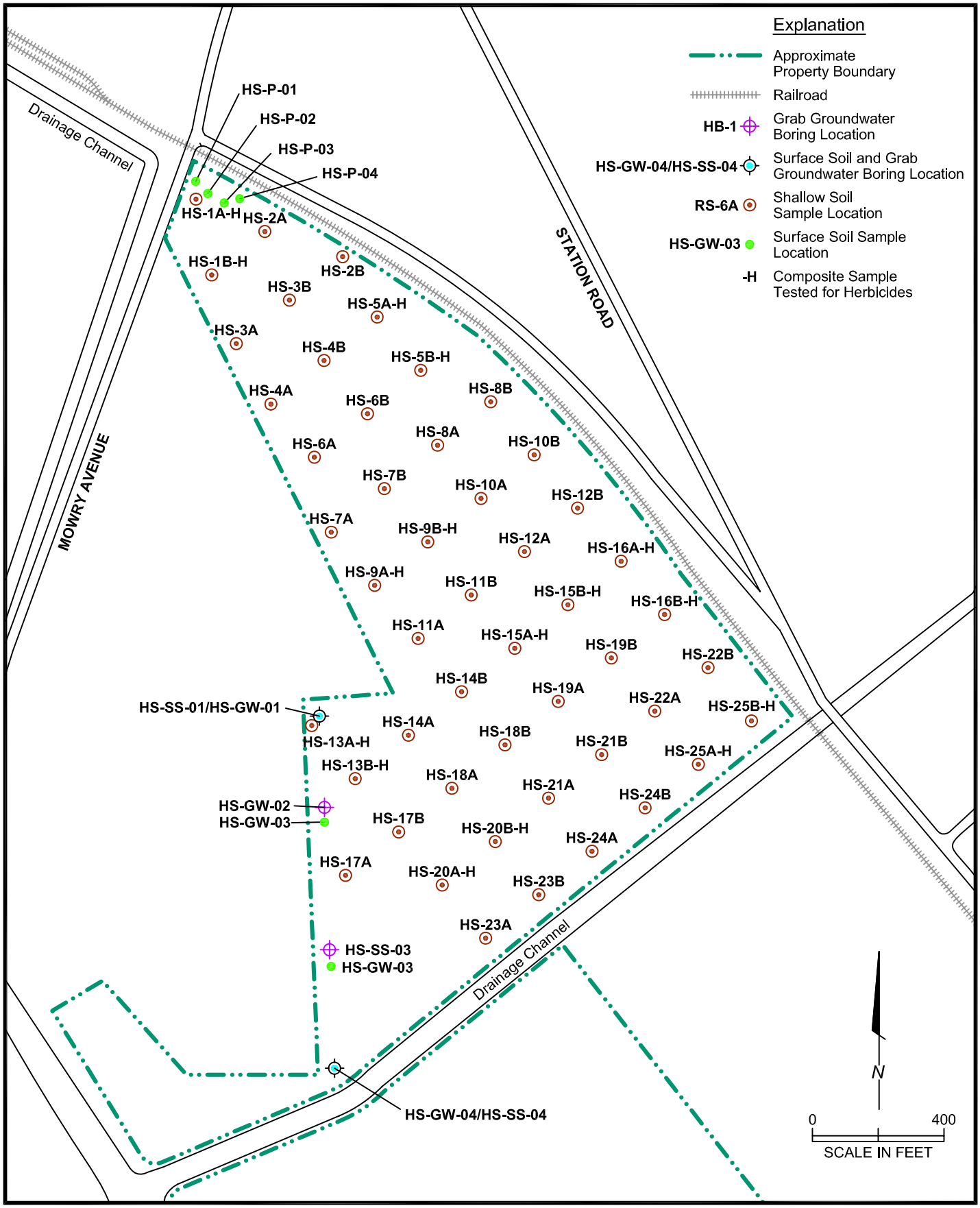


PES Environmental, Inc.
Engineering & Environmental Services

Site Plan
Heath Property
Mowry Avenue
Newark, California

PLATE
2

JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE
126.056.01.001	126-05601001_0706	AL	9/06



PES Environmental, Inc.
Engineering & Environmental Services

Sample Location Map
Heath Property
Mowry Avenue
Newark, California

PLATE
3

126.056.01.001	126-05601001_0706	AL	9/06
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

APPENDIX

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

PES Environmental, Inc.
1682 Novato Boulevard
Suite 100
Novato, CA 94947

Date: 31-AUG-06
Lab Job Number: 188525
Project ID: 126.056.01.001
Location: Heath Site

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

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Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**188525**
Client:	**PES Environmental, Inc.**
Project:	**126.056.01.001**
Location:	**Heath Site**
Request Date:	**08/03/06**
Samples Received:	**08/03/06**

This hardcopy data package contains sample and QC results for twenty five two-point soil composites and four soil samples, requested for the above referenced project on 08/03/06. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

Pesticides (EPA 8081A):
Low recoveries were observed for 4,4'-DDT and endrin in the MS/MSD of HS-25A & 25B-0.5COMP (lab # 188525-104); the LCS was within limits, and the associated RPDs were within limits. High recovery was observed for gamma-BHC in the MSD of HS-25A & 25B-0.5COMP (lab # 188525-104); the LCS was within limits, the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples. Low recoveries were observed for dieldrin and endrin in the MS/MSD for batch 116168; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits. Many samples were diluted due to the dark, viscous nature of the sample extracts. No other analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

Herbicides (EPA 8151):
Cal Science in Garden Grove, CA performed the analysis. Please see the Cal Science case narrative.

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	116028
Units:	mg/Kg	Sampled:	08/03/06
Basis:	as received	Received:	08/03/06
Diln Fac:	1.000	Analyzed:	08/03/06

Field ID: HS 1P 0.5 Lab ID: 188525-001
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	86	62-137
Bromofluorobenzene (FID)	81	60-148

Field ID: HS 2P 0.5 Lab ID: 188525-002
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	85	62-137
Bromofluorobenzene (FID)	83	60-148

Field ID: HS 3P 0.5 Lab ID: 188525-003
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	62-137
Bromofluorobenzene (FID)	80	60-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	116028
Units:	mg/Kg	Sampled:	08/03/06
Basis:	as received	Received:	08/03/06
Diln Fac:	1.000	Analyzed:	08/03/06

Field ID: HS 4P 0.5 Lab ID: 188525-004
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	74	62-137
Bromofluorobenzene (FID)	70	60-148

Type: BLANK Lab ID: QC350327

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	84	62-137
Bromofluorobenzene (FID)	79	60-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-1A & 1B-0.5 COMP	Batch#:	116136
Lab ID:	188525-080	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	20.00		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	34
beta-BHC	ND	34
gamma-BHC	ND	34
delta-BHC	ND	34
Heptachlor	ND	34
Aldrin	ND	34
Heptachlor epoxide	ND	34
Endosulfan I	ND	34
Dieldrin	ND	66
4,4'-DDE	71	66
Endrin	ND	66
Endosulfan II	ND	66
Endosulfan sulfate	ND	66
4,4'-DDD	ND	66
Endrin aldehyde	ND	66
4,4'-DDT	ND	66
gamma-Chlordane	ND	34
alpha-Chlordane	ND	34
Methoxychlor	ND	340
Toxaphene	ND	1,200

Surrogate	%REC	Limits
TCMX	DO	41-123
Decachlorobiphenyl	DO	45-140

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-2A & 2B-0.5 COMP	Batch#:	116136
Lab ID:	188525-081	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	16
4,4'-DDE	110	16
Endrin	22	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	ND	16
Endrin aldehyde	ND	16
4,4'-DDT	36 C	16
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	660	300

Surrogate	%REC	Limits
TCMX	85	41-123
Decachlorobiphenyl	93	45-140

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-3A & 3B-0.5 COMP	Batch#:	116136
Lab ID:	188525-082	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	17
4,4'-DDE	260	17
Endrin	51	17
Endosulfan II	ND	17
Endosulfan sulfate	32 C	17
4,4'-DDD	17	17
Endrin aldehyde	ND	17
4,4'-DDT	69 C	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	1,200	300

Surrogate	%REC	Limits
TCMX	83	41-123
Decachlorobiphenyl	96	45-140

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
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Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-4A & 4B-0.5 COMP	Batch#:	116136
Lab ID:	188525-083	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	ND	17
4,4'-DDE	210	17
Endrin	69 C	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	56 C	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	790	300

Surrogate	%REC	Limits
TCMX	105	41-123
Decachlorobiphenyl	101	45-140

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-5A & 5B-0.5 COMP	Batch#:	116136
Lab ID:	188525-084	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	ND	17
4,4'-DDE	200	17
Endrin	67 C	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	26	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	830	300

Surrogate	%REC	Limits
TCMX	91	41-123
Decachlorobiphenyl	95	45-140

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-6A & 6B-0.5 COMP	Batch#:	116136
Lab ID:	188525-085	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.4
beta-BHC	ND	8.4
gamma-BHC	ND	8.4
delta-BHC	ND	8.4
Heptachlor	ND	8.4
Aldrin	ND	8.4
Heptachlor epoxide	ND	8.4
Endosulfan I	ND	8.4
Dieldrin	ND	16
4,4'-DDE	330	16
Endrin	89 C	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	69 C #	16
Endrin aldehyde	ND	16
4,4'-DDT	37	16
gamma-Chlordane	ND	8.4
alpha-Chlordane	ND	8.4
Methoxychlor	ND	84
Toxaphene	970	300

Surrogate	%REC	Limits
TCMX	96	41-123
Decachlorobiphenyl	95	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-7A & 7B-0.5 COMP	Batch#:	116136
Lab ID:	188525-086	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	17
4,4'-DDE	320	17
Endrin	89 C	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	61 C #	17
Endrin aldehyde	ND	17
4,4'-DDT	75 C	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	950	300

Surrogate	%REC	Limits
TCMX	95	41-123
Decachlorobiphenyl	95	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-8A & 8B-0.5 COMP	Batch#:	116136
Lab ID:	188525-087	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.4
beta-BHC	ND	8.4
gamma-BHC	ND	8.4
delta-BHC	ND	8.4
Heptachlor	ND	8.4
Aldrin	ND	8.4
Heptachlor epoxide	ND	8.4
Endosulfan I	ND	8.4
Dieldrin	ND	16
4,4'-DDE	310	16
Endrin	46	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	43 C #	16
Endrin aldehyde	ND	16
4,4'-DDT	24	16
gamma-Chlordane	ND	8.4
alpha-Chlordane	ND	8.4
Methoxychlor	ND	84
Toxaphene	810	300

Surrogate	%REC	Limits
TCMX	87	41-123
Decachlorobiphenyl	98	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-9A & 9B-0.5 COMP	Batch#:	116136
Lab ID:	188525-088	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	ND	17
4,4'-DDE	530	17
Endrin	66	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	54 #	17
Endrin aldehyde	ND	17
4,4'-DDT	110 C	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	1,500	300

Surrogate	%REC	Limits
TCMX	94	41-123
Decachlorobiphenyl	107	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-10A & 10B-0.5COMP	Batch#:	116136
Lab ID:	188525-089	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	17
4,4'-DDE	280	17
Endrin	37	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	700	300

Surrogate	%REC	Limits
TCMX	90	41-123
Decachlorobiphenyl	83	45-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-11A & 11B-0.5COMP	Batch#:	116136
Lab ID:	188525-090	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	ND	17
4,4'-DDE	310	17
Endrin	49	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	29	17
Endrin aldehyde	ND	17
4,4'-DDT	32	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	970	300

Surrogate	%REC	Limits
TCMX	82	41-123
Decachlorobiphenyl	88	45-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-12A & 12B-0.5COMP	Batch#:	116136
Lab ID:	188525-091	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	17
4,4'-DDE	340	17
Endrin	21	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	20 #	17
Endrin aldehyde	ND	17
4,4'-DDT	ND	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	350	300

Surrogate	%REC	Limits
TCMX	91	41-123
Decachlorobiphenyl	87	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-13A & 13B-0.5COMP	Batch#:	116136
Lab ID:	188525-092	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	ND	17
4,4'-DDE	430	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	28	17
Endrin aldehyde	ND	17
4,4'-DDT	68 C	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	1,000	300

Surrogate	%REC	Limits
TCMX	95	41-123
Decachlorobiphenyl	84	45-140

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-14A & 14B-0.5COMP	Batch#:	116136
Lab ID:	188525-093	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.4
beta-BHC	ND	8.4
gamma-BHC	ND	8.4
delta-BHC	ND	8.4
Heptachlor	ND	8.4
Aldrin	ND	8.4
Heptachlor epoxide	ND	8.4
Endosulfan I	ND	8.4
Dieldrin	ND	16
4,4'-DDE	630	16
Endrin	25 C	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	ND	16
Endrin aldehyde	17 C	16
4,4'-DDT	60	16
gamma-Chlordane	ND	8.4
alpha-Chlordane	ND	8.4
Methoxychlor	ND	84
Toxaphene	1,600	300

Surrogate	%REC	Limits
TCMX	107	41-123
Decachlorobiphenyl	102	45-140

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-15A & 15B-0.5COMP	Batch#:	116136
Lab ID:	188525-094	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	17
4,4'-DDE	520	17
Endrin	28	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	26	17
Endrin aldehyde	ND	17
4,4'-DDT	21	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	710	300

Surrogate	%REC	Limits
TCMX	92	41-123
Decachlorobiphenyl	125	45-140

ND= Not Detected
RL= Reporting Limit

23.0

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Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-16A & 16B-0.5COMP	Batch#:	116136
Lab ID:	188525-095	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/09/06

Cleanup Method: EPA 3620B

Analyte	Result	RL	Diln Fac
alpha-BHC	ND	8.6	5.000
beta-BHC	ND	8.6	5.000
gamma-BHC	ND	8.6	5.000
delta-BHC	ND	8.6	5.000
Heptachlor	ND	8.6	5.000
Aldrin	ND	8.6	5.000
Heptachlor epoxide	ND	8.6	5.000
Endosulfan I	ND	8.6	5.000
Dieldrin	ND	17	5.000
4,4'-DDE	770	33	10.00
Endrin	60	17	5.000
Endosulfan II	ND	17	5.000
Endosulfan sulfate	ND	17	5.000
4,4'-DDD	ND	17	5.000
Endrin aldehyde	ND	17	5.000
4,4'-DDT	39	17	5.000
gamma-Chlordane	ND	8.6	5.000
alpha-Chlordane	ND	8.6	5.000
Methoxychlor	ND	86	5.000
Toxaphene	590	300	5.000

Surrogate	%REC	Limits	Diln Fac
TCMX	100	41-123	5.000
Decachlorobiphenyl	107	45-140	5.000

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-17A & 17B-0.5COMP	Batch#:	116136
Lab ID:	188525-096	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	14 C	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	17
4,4'-DDE	460	17
Endrin	36	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	75 C	17
Endrin aldehyde	20 C	17
4,4'-DDT	99 C	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	1,100	300

Surrogate	%REC	Limits
TCMX	84	41-123
Decachlorobiphenyl	94	45-140

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-18A & 18B-0.5COMP	Batch#:	116136
Lab ID:	188525-097	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/09/06

Cleanup Method: EPA 3620B

Analyte	Result	RL	Diln Fac
alpha-BHC	ND	8.4	5.000
beta-BHC	ND	8.4	5.000
gamma-BHC	ND	8.4	5.000
delta-BHC	ND	8.4	5.000
Heptachlor	ND	8.4	5.000
Aldrin	ND	8.4	5.000
Heptachlor epoxide	12	8.4	5.000
Endosulfan I	9.1 C	8.4	5.000
Dieldrin	ND	16	5.000
4,4'-DDE	670	33	10.00
Endrin	33 C	16	5.000
Endosulfan II	ND	16	5.000
Endosulfan sulfate	ND	16	5.000
4,4'-DDD	75 C	16	5.000
Endrin aldehyde	23 C	16	5.000
4,4'-DDT	150 C	16	5.000
gamma-Chlordane	ND	8.4	5.000
alpha-Chlordane	10	8.4	5.000
Methoxychlor	ND	84	5.000
Toxaphene	1,700	300	5.000

Surrogate	%REC	Limits	Diln Fac
TCMX	104	41-123	5.000
Decachlorobiphenyl	121	45-140	5.000

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-19A & 19B-0.5COMP	Batch#:	116136
Lab ID:	188525-098	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	11	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	16
4,4'-DDE	520	16
Endrin	47	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	63 C #	16
Endrin aldehyde	18 C	16
4,4'-DDT	25 #	16
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	840	300

Surrogate	%REC	Limits
TCMX	112	41-123
Decachlorobiphenyl	107	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-20A & 20B-0.5COMP	Batch#:	116168
Lab ID:	188525-099	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	ND	17
4,4'-DDE	280	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	45 #	17
Endrin aldehyde	ND	17
4,4'-DDT	20	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	460	300

Surrogate	%REC	Limits
TCMX	80	41-123
Decachlorobiphenyl	101	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-21A & 21B-0.5COMP	Batch#:	116168
Lab ID:	188525-100	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	ND	17
4,4'-DDE	560	17
Endrin	32 C	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	38 #	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	780	300

Surrogate	%REC	Limits
TCMX	98	41-123
Decachlorobiphenyl	128	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-22A & 22B-0.5COMP	Batch#:	116168
Lab ID:	188525-101	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	17
4,4'-DDE	490	17
Endrin	51	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	37 #	17
Endrin aldehyde	ND	17
4,4'-DDT	38 #	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	570	300

Surrogate	%REC	Limits
TCMX	83	41-123
Decachlorobiphenyl	91	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-23A & 23B-0.5COMP	Batch#:	116168
Lab ID:	188525-102	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	16
4,4'-DDE	470	16
Endrin	ND	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	80 #	16
Endrin aldehyde	19 C	16
4,4'-DDT	27 #	16
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	660	300

Surrogate	%REC	Limits
TCMX	90	41-123
Decachlorobiphenyl	99	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-24A & 24B-0.5COMP	Batch#:	116168
Lab ID:	188525-103	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	ND	17
4,4'-DDE	260	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	34 C #	17
Endrin aldehyde	ND	17
4,4'-DDT	19	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	590	300

Surrogate	%REC	Limits
TCMX	96	41-123
Decachlorobiphenyl	120	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-25A & 25B-0.5COMP	Batch#:	116136
Lab ID:	188525-104	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/07/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	16
4,4'-DDE	480	16
Endrin	43	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	46 #	16
Endrin aldehyde	ND	16
4,4'-DDT	77 C	16
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	690	300

Surrogate	%REC	Limits
TCMX	103	41-123
Decachlorobiphenyl	116	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Arsenic

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	126.056.01.001	Analysis:	EPA 6010B
Analyte:	Arsenic	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	mg/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	1.000		

Field ID	Type	Lab ID	Result	RL	Batch#
HS-1A & 1B-0.5 COMP	SAMPLE	188525-080	4.4	0.25	116141
HS-2A & 2B-0.5 COMP	SAMPLE	188525-081	4.5	0.25	116141
HS-3A & 3B-0.5 COMP	SAMPLE	188525-082	5.8	0.25	116141
HS-4A & 4B-0.5 COMP	SAMPLE	188525-083	5.1	0.25	116141
HS-5A & 5B-0.5 COMP	SAMPLE	188525-084	4.4	0.25	116141
HS-6A & 6B-0.5 COMP	SAMPLE	188525-085	3.7	0.25	116141
HS-7A & 7B-0.5 COMP	SAMPLE	188525-086	3.2	0.25	116141
HS-8A & 8B-0.5 COMP	SAMPLE	188525-087	4.6	0.25	116141
HS-9A & 9B-0.5 COMP	SAMPLE	188525-088	3.6	0.25	116141
HS-10A & 10B-0.5COMP	SAMPLE	188525-089	3.0	0.25	116141
HS-11A & 11B-0.5COMP	SAMPLE	188525-090	4.6	0.25	116141
HS-12A & 12B-0.5COMP	SAMPLE	188525-091	2.9	0.25	116141
HS-13A & 13B-0.5COMP	SAMPLE	188525-092	9.3	0.25	116141
HS-14A & 14B-0.5COMP	SAMPLE	188525-093	7.7	0.27	116141
HS-15A & 15B-0.5COMP	SAMPLE	188525-094	11	0.25	116141
HS-16A & 16B-0.5COMP	SAMPLE	188525-095	6.7	0.25	116141
HS-17A & 17B-0.5COMP	SAMPLE	188525-096	16	0.25	116141
HS-18A & 18B-0.5COMP	SAMPLE	188525-097	11	0.25	116141
HS-19A & 19B-0.5COMP	SAMPLE	188525-098	9.8	0.25	116141
HS-20A & 20B-0.5COMP	SAMPLE	188525-099	18	0.25	116141
HS-21A & 21B-0.5COMP	SAMPLE	188525-100	15	0.25	116140
HS-22A & 22B-0.5COMP	SAMPLE	188525-101	8.7	0.25	116140
HS-23A & 23B-0.5COMP	SAMPLE	188525-102	17	0.25	116140
HS-24A & 24B-0.5COMP	SAMPLE	188525-103	9.0	0.25	116140
HS-25A & 25B-0.5COMP	SAMPLE	188525-104	10	0.25	116140
	BLANK	QC350787	ND	0.25	116140
	BLANK	QC350792	ND	0.25	116141

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Lead

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	126.056.01.001	Analysis:	EPA 6010B
Analyte:	Lead	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	mg/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	1.000		

Field ID	Type	Lab ID	Result	RL	Batch#
HS-1A & 1B-0.5 COMP	SAMPLE	188525-080	8.1	0.15	116141
HS-2A & 2B-0.5 COMP	SAMPLE	188525-081	11	0.15	116141
HS-3A & 3B-0.5 COMP	SAMPLE	188525-082	10	0.15	116141
HS-4A & 4B-0.5 COMP	SAMPLE	188525-083	9.7	0.15	116141
HS-5A & 5B-0.5 COMP	SAMPLE	188525-084	9.6	0.15	116141
HS-6A & 6B-0.5 COMP	SAMPLE	188525-085	8.8	0.15	116141
HS-7A & 7B-0.5 COMP	SAMPLE	188525-086	9.0	0.15	116141
HS-8A & 8B-0.5 COMP	SAMPLE	188525-087	9.8	0.15	116141
HS-9A & 9B-0.5 COMP	SAMPLE	188525-088	10	0.15	116141
HS-10A & 10B-0.5COMP	SAMPLE	188525-089	7.8	0.15	116141
HS-11A & 11B-0.5COMP	SAMPLE	188525-090	7.9	0.15	116141
HS-12A & 12B-0.5COMP	SAMPLE	188525-091	7.9	0.15	116141
HS-13A & 13B-0.5COMP	SAMPLE	188525-092	9.2	0.15	116141
HS-14A & 14B-0.5COMP	SAMPLE	188525-093	7.7	0.16	116141
HS-15A & 15B-0.5COMP	SAMPLE	188525-094	8.2	0.15	116141
HS-16A & 16B-0.5COMP	SAMPLE	188525-095	9.2	0.15	116141
HS-17A & 17B-0.5COMP	SAMPLE	188525-096	10	0.15	116141
HS-18A & 18B-0.5COMP	SAMPLE	188525-097	9.1	0.15	116141
HS-19A & 19B-0.5COMP	SAMPLE	188525-098	9.3	0.15	116141
HS-20A & 20B-0.5COMP	SAMPLE	188525-099	10	0.15	116141
HS-21A & 21B-0.5COMP	SAMPLE	188525-100	9.4	0.15	116140
HS-22A & 22B-0.5COMP	SAMPLE	188525-101	11	0.15	116140
HS-23A & 23B-0.5COMP	SAMPLE	188525-102	9.5	0.15	116140
HS-24A & 24B-0.5COMP	SAMPLE	188525-103	8.3	0.15	116140
HS-25A & 25B-0.5COMP	SAMPLE	188525-104	18	0.15	116140
	BLANK	QC350787	ND	0.15	116140
	BLANK	QC350792	ND	0.15	116141

ND= Not Detected
RL= Reporting Limit

Batch QC Report

Lead

Lab #:	188525	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	126.056.01.001	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Matrix:	Soil	Received:	08/03/06
Units:	mg/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/08/06

Field ID	Type	MSS Lab ID	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Batch#	Sampled
	BS		QC350788		100.0	106.5	107	80-120			116140	
	BSD		QC350789		100.0	103.4	103	80-120	3	20	116140	
ZZZZZZZZZZ	MS	188522-123	QC350790	7.591	80.65	79.83	90	57-120			116140	08/03/06
ZZZZZZZZZZ	MSD	188522-123	QC350791		82.64	82.13	90	57-120	1	20	116140	08/03/06
	BS		QC350793		100.0	97.28	97	80-120			116141	
	BSD		QC350794		100.0	101.6	102	80-120	4	20	116141	
HS-3A & 3B-0.5 COMP	MS	188525-082	QC350795	10.15	85.47	85.21	88	57-120			116141	08/02/06
HS-3A & 3B-0.5 COMP	MSD	188525-082	QC350796		104.2	102.1	88	57-120	0	20	116141	08/02/06

RPD= Relative Percent Difference

8.0

Curtis & Tompkins, Ltd.

PES Environmental, Inc.
Engineering & Environmental Services

188525

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins, Ltd.
SAMPLERS: C. Rice, J. Hanson
JOB NUMBER: 12 6 056 01 001
NAME / LOCATION: Hamilton Place
PROJECT MANAGER:
RECORDER:

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	EPA 300.1	Arsenic 6010B	Lead 6010B	8151A			
-5	06	05	02	840	HS-1A-0.5			X		X					0.5								X	X	X	X		X		-8
-6				1222	-1B-1.0										1.5	Hold														
-7				1224	-1B-0.5										0.5															
-8				821	-2A-0.5										0.5															
-9				823	-2B-0.5										0.5								X	X	X					-8
-10				826	-2B-1.0										1.5	Hold														
-11				1230	-3A-0.5										0.5															
-12				116	-5B-0.5										0.5								X	X	X					-82
-13				117	-5B-1.0										1.5	Hold														
-14				1235	-4A-0.5										0.5															
-15				1103	-4B-0.5										0.5								X	X	X					-83
-16				1104	-4B-1.0										1.5	Hold														

NOTES

Turn Around Time:

Received ☑ On Ice ☑ Cool ☑ Ambient ☑ Intact

2-part composites

ex. HS-3B-0.5 ; HS-3A-0.5

then hold deeper sample HS-3B-1.0

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
C. Rice	[signature]	8/3/06	1445
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

188525

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins

JOB NUMBER: 126.056.01.001

NAME / LOCATION: Heath Property

PROJECT MANAGER:

SAMPLERS: M. Rizo, J. Patterson

RECORDER:

	DATE YR	DATE MO	DATE DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	MATRIX Water	MATRIX Soil	MATRIX Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	EPA 8081	Arsenic 6010B	Lead 6010B	8151A	
-17	06	08	02	905	HS-5A-0.5			X		X					0.5									X	X	X	X	-8
-18				914	-5B-0.5										0.5													
-19				914	-5B-1.0										1.5	Hold												
-20				1243	-6A-0.5										0.5									X	X	X		-8
-21				1056	-6B-0.5										0.5													
-22				1058	-6B-1.0										1.5	Hold												
-23				1451	-7A-0.5										0.5									X	X	X		-8
-24				1250	-7B-0.5										0.5													
-25				1252	-7B-1.0										1.5	Hold												
-26				1052	-8A-0.5										0.5									X	X	X		-8
-27				920	-8B-0.5										0.5													
-28				922	-8B-1.0										1.5	Hold												

NOTES

Turn Around Time:

2-pt Composites

Received ☑ Cold ☑ Ambient ☑ Intact

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	8/3/06	14:45
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) / DATE / TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

PES Environmental, Inc.
Engineering & Environmental Services

188525

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins

SAMPLERS: M. Rizo, J. Patterson

JOB NUMBER: 126.056.01.001

NAME / LOCATION: Heath Property

PROJECT MANAGER:

RECORDER:

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	EPA 8081	Arsenic 6010B	Lead 6010B	3151A	
-29	06	08	02	1448	HS-9A-0.5			X		X					0.5									X	X	X	X	-89
-30				1258	-9B-0.5										0.5													
-31				1259	-9B-1.0										1.5	Hold												
-32				1049	-10A-0.5										0.5									X	X	X		-89
-33				926	-10B-0.5										0.5													
-34				927	-10B-1.0										1.5	Hold												
-35				1442	-11A-0.5										0.5									X	X	X		-90
-36				1304	-11B-0.5										0.5													
-37				1306	-11B-1.0										1.5	Hold												
-38				1045	-12A-0.5										0.5									X	X	X		-91
-39				933	-12B-0.5										0.5													
-40				934	-12B-1.0										1.5	Hold												

NOTES

Turn Around Time:

2pt - Composite.

Received ☑ On Ice ☑ Ambient ☑ Intact

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	8/3/06	1445
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) — DATE — TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

PES Environmental, Inc.
Engineering & Environmental Services

188525

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins, Ltd. SAMPLERS: M. Rice, J. Patterson

JOB NUMBER: 126.056.01.001

NAME / LOCATION: Heath site

PROJECT MANAGER:

RECORDER:

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	EPA 8011	Arsenic 6010B	Lead 6010B	8151A	
-41	06	08	02	1534	H513A-			X		X					0.5													
-42				1528	-13B-										0.5									X	X	X	X	-9
-43				1530	-13B-										1.5	Hold												
-44				1539	-14A-										0.5													
-45				1436	-14B-										0.5									X	X	X		-9
-46				1437	-14B-										1.5	Hold												
-47				1313	-15A-										0.5													
-48				1038	-15B-										0.5									X	X	X	X	-9
-49				1039	-15B-										1.5	Hold												
-50				938	-16A-										0.5													
-51				944	-16B-										0.5									X	X	X	X	-9
-52				946	-16B-										1.5	Hold												

NOTES

Turn Around Time:

2 part Composite

Received ☑ On ice ☑ Cool ☐ Ambient ☑ Intact

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature] 1530	[signature]	8/3/06	1445
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) / DATE / TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

PES Environmental, Inc.
Engineering & Environmental Services

188525

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: [illegible]

JOB NUMBER: [illegible]

NAME / LOCATION: [illegible]

PROJECT MANAGER:

SAMPLERS: [illegible]

RECORDER:

	DATE YR	DATE MO	DATE DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	EPA 8021	Arsenic EC 1613	1,4-Dioxane	8151A	
-53	06	08	02	1515	HS-17A-0.5			X		X					0.5													
-54				1522	17B-0.5										0.5									X	X	X		
-55				1524	17B-1.0										1.5	Hold												
-56				1421	18A-0.5										0.5													
-57				1430	18B-0.5										0.5									X	X	X		
-58				1432	18B-1.0										1.5	Hold												
-59				1321	19A-0.5										0.5													
-60				1033	19B-0.5										0.5									X	X	X		
-61				1034	19B-1.0										1.5	Hold												
-62				1411	20A-0.5										0.5													
-63				1416	20B-0.5										0.5									X	XX	X		
-64				1417	20B-1.0										1.5	Hold												

NOTES

Turn Around Time:

2 port Composites

Received ☑ Cold ☑ Cool ☑ Ambient ☑ Intact

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[illegible] KCL 30 (PES)	[illegible]	8/3/06	1445
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) / DATE / TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

PES Environmental, Inc.
Engineering & Environmental Services

188525

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins

SAMPLERS: [illegible]

JOB NUMBER: 126.056.01.001

NAME / LOCATION: Hamm Site

PROJECT MANAGER:

RECORDER:

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	Vapor	Water	Soil	Sedim't	Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	EPA 8051	Arsenic (CICB)	Lead (CICB)	6151A	
-65	06	08	02	1330	HS-21A-0.5			X		X					0.5									X	X	X		
-66				1336	-21B-0.5										0.5													-100
-67				1007	-22A-0.5										0.5									X	X	X		
-68				957	-22B-0.5										0.5													-10
-69				958	-22B-1.0										1.5	Hold												
-70				1337	-21B-1.0										1.5	Hold												
-71				1400	-23A-0.5										0.5									X	X	X		
-72				1356	-23B-0.5										0.5													-10
-73				1357	-23B-1.0										1.5	Hold												
-74				1349	-24A-0.5										0.5									X	X	X		
-75				1342	-24B-0.5										0.5													-10
-76				1344	-24B-1.0										1.5	Hold												

NOTES

Turn Around Time:

2 pint composite

Received ☑ Cool ☐ Ambient ☑ Intact

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	8/3/06	1445
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) / DATE / TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

C & T LOGIN #: 188525

Sampler: M [illegible] J. Pa[illegible]

Project No.: 126.056.01.001

Report To:

Project Name: Heath Site

Company: PES Environmental, Inc.

Project P.O.:

Telephone: 415-899-1600

Turnaround Time: Standard

Fax:

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Preservative: Unpreserved	EPA 6051	Arsenic 6010B	Lead 6010B	8151A
-77	HS-25A-0.5	8/2/06 1003	X			1				X	X				
-78	HS-25B-1.0	956				1				X	X	Hold	X	X	X
-79	HS-25B-0.5	954				1				X	X				

-104

Notes:
2 Part Composite

SAMPLE RECEIPT
☑ Intact ☑ Cold
☑ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 8/3 1320 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 8/3/06 1445 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Calscience Environmental Laboratories, Inc.

August 21, 2006

Lisa Brooker
Curtis & Tompkins, Ltd.
2323 Fifth Street
Berkeley, CA 94710-2407

Subject: **Calscience Work Order No.: 06-08-0338**
Client Reference: 188525

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/5/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jason Torres
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Curtis & Tompkins, Ltd.		Date Received:	08/05/06
2323 Fifth Street		Work Order No:	06-08-0338
Berkeley, CA 94710-2407		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: 188525			Page 1 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HS-1A & 1B-0.5 COMP	**06-08-0338-1**	**08/02/06**	**Solid**	**08/07/06**	**08/12/06**	**060807L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	30	30-130	

HS-5A & 5B-0.5 COMP	**06-08-0338-2**	**08/02/06**	**Solid**	**08/07/06**	**08/12/06**	**060807L13**		

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	31	30-130	

HS-9A & 9B-0.5 COMP	**06-08-0338-3**	**08/02/06**	**Solid**	**08/07/06**	**08/12/06**	**060807L13**		

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	88	30-130	

HS-13A & 13B-0.5 COMP	**06-08-0338-4**	**08/02/06**	**Solid**	**08/07/06**	**08/12/06**	**060807L13**		

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	126	30-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Curtis & Tompkins, Ltd.		Date Received:	08/05/06
2323 Fifth Street		Work Order No:	06-08-0338
Berkeley, CA 94710-2407		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: 188525			Page 2 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HS-15A & 15B-0.5 COMP	**06-08-0338-5**	**08/02/06**	**Solid**	**08/07/06**	**08/12/06**	**060807L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	98	30-130	

HS-16A & 16B-0.5 COMP	**06-08-0338-6**	**08/02/06**	**Solid**	**08/07/06**	**08/12/06**	**060807L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	99	30-130	

HS-20A & 20B-0.5 COMP	**06-08-0338-7**	**08/02/06**	**Solid**	**08/07/06**	**08/12/06**	**060807L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	110	30-130	

HS-25A & 25B-0.5 COMP	**06-08-0338-8**	**08/02/06**	**Solid**	**08/07/06**	**08/12/06**	**060807L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	117	30-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Curtis & Tompkins, Ltd.		Date Received:	08/05/06
2323 Fifth Street		Work Order No:	06-08-0338
Berkeley, CA 94710-2407		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: 188525			Page 3 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-033-551**	**N/A**	**Solid**	**08/07/06**	**08/11/06**	**060807L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	119	30-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Curtis & Tompkins, Ltd.		Date Received:	N/A
2323 Fifth Street		Work Order No:	06-08-0338
Berkeley, CA 94710-2407		Preparation:	EPA 8151A
		Method:	EPA 8151A

Project: 188525

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-033-551	**Solid**	**GC 17**	**08/07/06**	**08/11/06**	**060807L13**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	99	103	30-130	4	0-30	
2,4,5-T	109	109	30-130	0	0-30	
2,4-DB	112	111	30-130	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-08-0338

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

0338

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900
(510) 486-0532

Project Number: 188525
Site: Heath Site

Subcontract Laboratory:
Cal Science
7440 Lincoln Way
Garden Grove, CA 92841-1432
(714) 895-5494
ATTN: Jason Torres

Results due: Report Level: II

Please send report to: Lisa Brooker
*** Please report using Sample ID rather than C&T Lab #.

Sample ID	Sampled	Matrix	Analysis	C&T Lab #	Comments
HS-1A & 1B-0.5 COMP	08/02 12:24	Soil	8150	188525-080	comp -005 & -007
HS-5A & 5B-0.5 COMP	08/02 09:14	Soil	8150	188525-084	comp -017 & -018
HS-9A & 9B-0.5 COMP	08/02 14:48	Soil	8150	188525-088	comp -029 & -030
HS-13A & 13B-0.5COMP	08/02 15:34	Soil	8150	188525-092	comp -041 & -042
HS-15A & 15B-0.5COMP	08/02 13:13	Soil	8150	188525-094	comp -047 & -048
HS-16A & 16B-0.5COMP	08/02 09:44	Soil	8150	188525-095	comp -050 & -051
HS-20A & 20B-0.5COMP	08/02 14:16	Soil	8150	188525-099	comp -062 & -063
HS-25A & 25B-0.5COMP	08/02 10:03	Soil	8150	188525-104	comp -077 & -079

Notes:	Relinquished By:	Received By:
	[signature]	
	Date/Time: 8/4/06 16:30	Date/Time:

Relinquished: Cal. overnight Received: [signature] CTL 8/5/06 @ 11:00

Signature on this form constitutes a firm Purchase Order for the services requested above.

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

PES Environmental, Inc.
1682 Novato Boulevard
Suite 100
Novato, CA 94947

Date: 06-SEP-06
Lab Job Number: 188757
Project ID: 126.056.01.001
Location: Heath Site

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**188757**
Client:	**PES Environmental, Inc.**
Project:	**126.056.01.001**
Location:	**Heath Site**
Request Date:	**08/15/06**
Samples Received:	**08/03/06**

This hardcopy data package contains sample and QC results for six soil samples, requested for the above referenced project on 08/15/06. The samples were received cold and intact.

Pesticides (EPA 8081A):

No analytical problems were encountered.

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188757	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-3B-1.0	Batch#:	116460
Lab ID:	188757-001	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received	Analyzed:	08/18/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	17
4,4'-DDE	170	17
Endrin	56 C	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	45	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	9.1	8.5
Methoxychlor	ND	85
Toxaphene	1,600	300

Surrogate	%REC	Limits
TCMX	90	41-123
Decachlorobiphenyl	108	45-140

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188757	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-5B-1.0	Batch#:	116460
Lab ID:	188757-002	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received	Analyzed:	08/18/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.4
beta-BHC	ND	8.4
gamma-BHC	ND	8.4
delta-BHC	ND	8.4
Heptachlor	ND	8.4
Aldrin	ND	8.4
Heptachlor epoxide	ND	8.4
Endosulfan I	ND	8.4
Dieldrin	ND	16
4,4'-DDE	250	16
Endrin	120 C	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	ND	16
Endrin aldehyde	ND	16
4,4'-DDT	47	16
alpha-Chlordane	ND	8.4
gamma-Chlordane	ND	8.4
Methoxychlor	ND	84
Toxaphene	870	300

Surrogate	%REC	Limits
TCMX	110	41-123
Decachlorobiphenyl	133	45-140

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188757	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-9B-1.0	Batch#:	116460
Lab ID:	188757-003	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received	Analyzed:	08/18/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.4
beta-BHC	ND	8.4
gamma-BHC	ND	8.4
delta-BHC	ND	8.4
Heptachlor	ND	8.4
Aldrin	ND	8.4
Heptachlor epoxide	ND	8.4
Endosulfan I	ND	8.4
Dieldrin	ND	16
4,4'-DDE	500	16
Endrin	60	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	34	16
Endrin aldehyde	ND	16
4,4'-DDT	74	16
alpha-Chlordane	ND	8.4
gamma-Chlordane	ND	8.4
Methoxychlor	ND	84
Toxaphene	990	300

Surrogate	%REC	Limits
TCMX	91	41-123
Decachlorobiphenyl	112	45-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188757	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-16B-1.0	Batch#:	116460
Lab ID:	188757-004	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RL	Diln Fac	Analyzed
alpha-BHC	ND	8.6	5.000	08/18/06
beta-BHC	ND	8.6	5.000	08/18/06
gamma-BHC	ND	8.6	5.000	08/18/06
delta-BHC	ND	8.6	5.000	08/18/06
Heptachlor	ND	8.6	5.000	08/18/06
Aldrin	ND	8.6	5.000	08/18/06
Heptachlor epoxide	ND	8.6	5.000	08/18/06
Endosulfan I	ND	8.6	5.000	08/18/06
Dieldrin	ND	17	5.000	08/18/06
4,4'-DDE	880	33	10.00	08/23/06
Endrin	ND	17	5.000	08/18/06
Endosulfan II	ND	17	5.000	08/18/06
Endosulfan sulfate	17 C	17	5.000	08/18/06
4,4'-DDD	80 C	17	5.000	08/18/06
Endrin aldehyde	ND	17	5.000	08/18/06
4,4'-DDT	47 C	17	5.000	08/18/06
alpha-Chlordane	ND	8.6	5.000	08/18/06
gamma-Chlordane	ND	8.6	5.000	08/18/06
Methoxychlor	ND	86	5.000	08/18/06
Toxaphene	1,400	300	5.000	08/18/06

Surrogate	%REC	Limits	Diln Fac	Analyzed
TCMX	99	41-123	5.000	08/18/06
Decachlorobiphenyl	126	45-140	5.000	08/18/06

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188757	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-18B-1.0	Batch#:	116460
Lab ID:	188757-005	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received	Analyzed:	08/18/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.4
beta-BHC	ND	8.4
gamma-BHC	ND	8.4
delta-BHC	ND	8.4
Heptachlor	ND	8.4
Aldrin	ND	8.4
Heptachlor epoxide	ND	8.4
Endosulfan I	17 C	8.4
Dieldrin	85 C	16
4,4'-DDE	600	16
Endrin	76	16
Endosulfan II	58	16
Endosulfan sulfate	33	16
4,4'-DDD	100 C	16
Endrin aldehyde	98 C	16
4,4'-DDT	100	16
alpha-Chlordane	ND	8.4
gamma-Chlordane	36 C	8.4
Methoxychlor	ND	84
Toxaphene	3,100	300

Surrogate	%REC	Limits
TCMX	92	41-123
Decachlorobiphenyl	121	45-140

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	188757	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Field ID:	HS-24B-1.0	Batch#:	116460
Lab ID:	188757-006	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received	Analyzed:	08/18/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	16
4,4'-DDE	210	16
Endrin	41	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	37	16
Endrin aldehyde	ND	16
4,4'-DDT	47 C	16
alpha-Chlordane	ND	8.5
gamma-Chlordane	16 C	8.5
Methoxychlor	ND	85
Toxaphene	1,700	300

Surrogate	%REC	Limits
TCMX	93	41-123
Decachlorobiphenyl	111	45-140

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Organochlorine Pesticides

Lab #:	188757	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC352099	Batch#:	116460
Matrix:	Soil	Prepared:	08/16/06
Units:	ug/Kg	Analyzed:	08/18/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	75	41-123
Decachlorobiphenyl	90	45-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	188757	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.056.01.001	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC352100	Batch#:	116460
Matrix:	Soil	Prepared:	08/16/06
Units:	ug/Kg	Analyzed:	08/18/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.41	11.54	86	42-124
Heptachlor	13.41	13.65	102	43-129
Aldrin	13.41	11.39	85	46-122
Dieldrin	26.82	23.33	87	49-130
Endrin	26.82	22.99	86	48-132
4,4'-DDT	26.82	26.26	98	45-142

Surrogate	%REC	Limits
TCMX	80	41-123
Decachlorobiphenyl	91	45-140

PES Environmental, Inc.
Engineering & Environmental Services

188525

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: [illegible]
JOB NUMBER: 12[illegible]
NAME / LOCATION: [illegible]
SAMPLERS: [illegible]
PROJECT MANAGER:
RECORDER:

188757

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't		# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	EPA 3051	ASBESTOS LCLB	Lead (CAM)	3151A			
-5	06	09	02	940	HS-1A-0.5			X			X						0.5								X	X	X	X	X		-8
-6				1222	-1B-1.0												1.5	Hold													
-7				1224	-1B-0.5												0.5														
-8				821	-2A-0.5												0.5														
-9				823	-2B-0.5												0.5								X	X	X				-8
-10				826	-2B-1.0												1.5	Hold													
-11				1230	-3A-0.5												0.5														
-12				1116	-3B-0.5												0.5								X	X	X				-8
-001 -13				1117	-3B-1.0												1.5	Hold							✓						
-14				1235	-4A-0.5												0.5														
-15				1103	-4B-0.5												0.5								X	X	X				-8
-16				1104	-4B-1.0												1.5	Hold													

NOTES

Turn Around Time:

Received: ☑ Cool ☑ Cont. ☑ Ambient ☑ Intact

2-part composites
ex. HS-3B-0.5 & HS-3A-0.5
then hold deeper sample
HS-3B-1.0
✓ - Added 8/15/06 (AL)

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[illegible]	[illegible]	8/3/06	1445
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

188525

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126 056.01.001
NAME / LOCATION: Heath Property
PROJECT MANAGER:

SAMPLERS: M Rice, J. Patterson
RECORDER:

188757

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	EPA 8081	Arsenic, Cd, Cr, Pb	Lead	6 CICB	8151A	
-17	06	08	02	905	HS-5A-0.5			X		X					0.5									X	X	X	X		-8'
-18				914	-5B-0.5										0.5														
-002 -19				914	-5B-1.0										1.5	Hold								✓					
-20				1243	-6A-0.5										0.5														
-21				1056	-6B-0.5										0.5									X	X	X			-8'
-22				1058	-6B-1.0										1.5	Hold													
-23				1451	-7A-0.5										0.5														
-24				1250	-7B-0.5										0.5									X	X	X			-8'
-25				1252	-7B-1.0										1.5	Hold													
-26				1052	-8A-0.5										0.5														
-27				920	-8B-0.5										0.5									X	X	X			-8'
-28				922	-8B-1.0										1.5	Hold													

NOTES

Turn Around Time:

2-part Composites

✓ - Request 8/15/06 (AL)

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	8/2/06	14:45
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

PES Environmental, Inc.
Engineering & Environmental Services

188525

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126.056.01.001
NAME / LOCATION: Hearth Project
PROJECT MANAGER:

SAMPLERS: M. Rizo, J. Patterson
RECORDER:

188757

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	EPA 6010B Arsenic	EPA 6010B Lead	S1514	
-29	06	08	06	1448	HS-9A-0.5			X		X					0.5								X	X	X	X	
-30				1258	-9B-0.5										0.5												-85
-003 -31				1259	-9B-1.0										1.5	Hold							✓				
-32				1049	-10A-0.5										0.5												
-33				926	-10B-0.5										0.5								X	X	X		-85
-34				927	-10B-1.0										1.5	Hold											
-35				1442	-11A-0.5										0.5												
-36				1304	-11B-0.5										0.5								X	X	X		-96
-37				1306	-11B-1.0										1.5	Hold											
-38				1045	-12A-0.5										0.5												
-39				933	-12B-0.5										0.5								X	X	X		-91
-40				934	-12B-1.0										1.5	Hold											

NOTES

Turn Around Time:

2pt - Composite.

Received Cold
☐ Ambient ☒ Intact

✓ - Requested 8/15/06 - (AZ)

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	8/15/06	1445
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) / DATE / TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

PES Environmental, Inc.
Engineering & Environmental Services

188525

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins, Ltd. SAMPLERS: M. Rios, J. Patterson

JOB NUMBER: 126.056.01.001

NAME / LOCATION: Heath St.

PROJECT MANAGER:

RECORDER:

188757

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	EPA 6010	Arsenic 6010B	Lead 6010B	8151A	
-41	06	08	02	1534	HS13A-0.5			X		X					0.5									X	X	X	X	
-42				1528	-13B-0.5										0.5													-9
-43				1530	-13B-1.0										1.5	Hold												
-44				1539	-14A-0.5										0.5													
-45				1436	-14B-0.5										0.5									X	X	X		-9
-46				1437	-14B-1.0										1.5	Hold												
-47				1313	-15A-0.5										0.5													
-48				1038	-15B-0.5										0.5									X	X	X	X	-9
-49				1039	-15B-1.0										1.5	Hold												
-50				938	-16A-0.5										0.5													
-51				944	-16B-0.5										0.5									X	X	X	X	-8
-52				946	-16B-1.0										1.5	~~Hold~~								✓				

-004

NOTES

Turn Around Time:

2 part Composite

Received ☑ Office ☑ Ambient ☑ Intact

✓ = Requested 8/15/06 - QZ

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	8/2/06	1445
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

PES Environmental, Inc.
Engineering & Environmental Services

188525

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: [illegible]

JOB NUMBER: [illegible]

NAME / LOCATION: [illegible]

PROJECT MANAGER:

SAMPLERS: [illegible]

RECORDER:

188757

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	EPA 300.1 Anions EC 1013	1 1 1 P	5 5 5 A			
-53	06	08	06	1515	HS-1 7A-0.5			X		X					0.5									X	X	X			
-54				1522	1 7B-0.5										0.5														
-55				1524	1 7B-1.0										1.5	Hold													
-56				1421	1 8A-0.5										0.5									X	X	X			
-57				1430	1 8B-0.5										0.5														
-005 -58				1432	1 8B-1.0										1.5	~~Hold~~								✓					
-59				1321	1 9A-0.5										0.5									X	X	X			
-60				1023	1 9B-0.5										0.5														
-61				1034	1 9B-1.0										1.5	Hold													
-62				1411	2 0A-0.5										0.5									X	X	X	X		
-63				1416	2 0B-0.5										0.5														
-64				1417	2 0B-1.0			U							1.5	Hold													

91

9

9

9

NOTES

Turn Around Time:

2 pint Composites

Received ☑ Cool ☑ Ambient ☑ Intact

✓ - Requested 8/15/06 (OK)

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature] 1630 (PES)	[signature]	8/3/06	1445
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

PES Environmental, Inc.
Engineering & Environmental Services

188525

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: [illegible] SAMPLERS: [illegible]

JOB NUMBER: [illegible]

NAME / LOCATION: [illegible]

PROJECT MANAGER: RECORDER:

188757	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	EPA 8015	Arsenic (CICR Total (CICR)	8151A	
-65	06	06	06	02	1330	MS		X		X					0.5									X	X	X	
-66					1336										0.5												
-67					1007										0.5									X	X	X	
-68					957										0.5												
-69					958										1.5	Hold											
-70					1337										1.5	Hold											
-71					1400										0.5									X	X	X	
-72					1356										0.5												
-73					1357										1.5	Hold											
-74					1349										0.5									X	X	X	
-75					1342										0.5												
-006 -76					1344										1.5	Hold								✓			

NOTES

Turn Around Time:

2 pint Composite

Required Water ☑ Soil ☑ Ambient ☑ Other

✓ = Requested 8/15/06

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	8/3/06	1445
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) / DATE / TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/25/06
Units:	ug/L	Received:	08/25/06
Diln Fac:	1.000	Analyzed:	08/26/06
Batch#:	116823		

Field ID: HS-GW-01 Lab ID: 189000-009
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	86	69-137
Bromofluorobenzene (FID)	109	80-133

Field ID: HS-GW-02 Lab ID: 189000-010
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	79	69-137
Bromofluorobenzene (FID)	102	80-133

Field ID: HS-GW-03 Lab ID: 189000-011
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	81	69-137
Bromofluorobenzene (FID)	105	80-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/25/06
Units:	ug/L	Received:	08/25/06
Diln Fac:	1.000	Analyzed:	08/26/06
Batch#:	116823		

Field ID: HS-GW-04 Lab ID: 189000-012
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	69	69-137
Bromofluorobenzene (FID)	88	80-133

Type: BLANK Lab ID: QC353615

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	69-137
Bromofluorobenzene (FID)	109	80-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC353616	Batch#:	116823
Matrix:	Water	Analyzed:	08/26/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,018	101	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	69-137
Bromofluorobenzene (FID)	106	80-133

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8015B
Field ID:	HS-GW-01	Batch#:	116823
MSS Lab ID:	189000-009	Sampled:	08/25/06
Matrix:	Water	Received:	08/25/06
Units:	ug/L	Analyzed:	08/26/06
Diln Fac:	1.000		

Type: MS Lab ID: QC353617

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	23.20	2,000	1,995	99	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	69-137
Bromofluorobenzene (FID)	105	80-133

Type: MSD Lab ID: QC353618

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,892	93	80-120	5	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	88	69-137
Bromofluorobenzene (FID)	103	80-133

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	126.056.01.001	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/25/06
Units:	ug/L	Received:	08/25/06
Diln Fac:	1.000	Prepared:	08/29/06
Batch#:	116917	Analyzed:	08/31/06

Field ID: HS-GW-01 Lab ID: 189000-009
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	116	65-130

Field ID: HS-GW-02 Lab ID: 189000-010
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	96	65-130

Field ID: HS-GW-03 Lab ID: 189000-011
Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	98	65-130

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	126.056.01.001	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/25/06
Units:	ug/L	Received:	08/25/06
Diln Fac:	1.000	Prepared:	08/29/06
Batch#:	116917	Analyzed:	08/31/06

Field ID:	HS-GW-04	Lab ID:	189000-012
Type:	SAMPLE	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	89	65-130

Type:	BLANK	Cleanup Method:	EPA 3630C
Lab ID:	QC354005		

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	102	65-130

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	126.056.01.001	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	116917
Units:	ug/L	Prepared:	08/29/06
Diln Fac:	1.000	Analyzed:	08/31/06

Type: BS
Lab ID: QC354006
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,693	108	61-133

Surrogate	%REC	Limits
Hexacosane	107	65-130

Type: BSD
Lab ID: QC354007
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,473	99	61-133	9	31

Surrogate	%REC	Limits
Hexacosane	96	65-130

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Field ID:	HS-GW-01	Batch#:	116893
Lab ID:	189000-009	Sampled:	08/25/06
Matrix:	Water	Received:	08/25/06
Units:	ug/L	Analyzed:	08/29/06
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Field ID:	HS-GW-01	Batch#:	116893
Lab ID:	189000-009	Sampled:	08/25/06
Matrix:	Water	Received:	08/25/06
Units:	ug/L	Analyzed:	08/29/06
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	107	80-130
Toluene-d8	103	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Field ID:	HS-GW-02	Batch#:	116893
Lab ID:	189000-010	Sampled:	08/25/06
Matrix:	Water	Received:	08/25/06
Units:	ug/L	Analyzed:	08/29/06
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	0.8	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	0.7	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Field ID:	HS-GW-02	Batch#:	116893
Lab ID:	189000-010	Sampled:	08/25/06
Matrix:	Water	Received:	08/25/06
Units:	ug/L	Analyzed:	08/29/06
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	104	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	107	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Field ID:	HS-GW-03	Batch#:	116940
Lab ID:	189000-011	Sampled:	08/25/06
Matrix:	Water	Received:	08/25/06
Units:	ug/L	Analyzed:	08/30/06
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	1.5	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	0.9	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Field ID:	HS-GW-03	Batch#:	116940
Lab ID:	189000-011	Sampled:	08/25/06
Matrix:	Water	Received:	08/25/06
Units:	ug/L	Analyzed:	08/30/06
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	107	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Field ID:	HS-GW-04	Batch#:	116893
Lab ID:	189000-012	Sampled:	08/25/06
Matrix:	Water	Received:	08/25/06
Units:	ug/L	Analyzed:	08/29/06
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	17	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Field ID:	HS-GW-04	Batch#:	116893
Lab ID:	189000-012	Sampled:	08/25/06
Matrix:	Water	Received:	08/25/06
Units:	ug/L	Analyzed:	08/29/06
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-120
1,2-Dichloroethane-d4	106	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	107	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	116893
Units:	ug/L	Analyzed:	08/29/06
Diln Fac:	1.000		

Type: BS Lab ID: QC353917

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	29.43	118	77-128
Benzene	25.00	27.13	109	80-120
Trichloroethene	25.00	26.59	106	80-120
Toluene	25.00	26.89	108	80-120
Chlorobenzene	25.00	25.66	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-120
1,2-Dichloroethane-d4	108	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	105	80-122

Type: BSD Lab ID: QC353918

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	27.82	111	77-128	6	20
Benzene	25.00	26.45	106	80-120	3	20
Trichloroethene	25.00	26.07	104	80-120	2	20
Toluene	25.00	26.75	107	80-120	1	20
Chlorobenzene	25.00	25.55	102	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	105	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC353919	Batch#:	116893
Matrix:	Water	Analyzed:	08/29/06
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC353919	Batch#:	116893
Matrix:	Water	Analyzed:	08/29/06
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120
1,2-Dichloroethane-d4	108	80-130
Toluene-d8	103	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	116940
Units:	ug/L	Analyzed:	08/30/06
Diln Fac:	1.000		

Type: BS Lab ID: QC354098

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	28.25	113	77-128
Benzene	25.00	26.77	107	80-120
Trichloroethene	25.00	26.39	106	80-120
Toluene	25.00	27.34	109	80-120
Chlorobenzene	25.00	26.22	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	105	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	101	80-122

Type: BSD Lab ID: QC354099

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	26.21	105	77-128	8	20
Benzene	25.00	25.51	102	80-120	5	20
Trichloroethene	25.00	25.12	100	80-120	5	20
Toluene	25.00	26.23	105	80-120	4	20
Chlorobenzene	25.00	24.98	100	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	103	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC354100	Batch#:	116940
Matrix:	Water	Analyzed:	08/30/06
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5

b= See narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC354100	Batch#:	116940
Matrix:	Water	Analyzed:	08/30/06
Units:	ug/L		

Analyte	Result	RL
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	0.5 b	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	104	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-122

b= See narrative
ND= Not Detected
RL= Reporting Limit

12.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	189000	Project#:	126.056.01.001
Client:	PES Environmental, Inc.	Location:	Heath Site
Field ID:	HS-GW-01	Diln Fac:	1.000
Lab ID:	189000-009	Sampled:	08/25/06
Matrix:	Filtrate	Received:	08/25/06
Units:	ug/L	Analyzed:	08/28/06

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	60	116826	08/26/06	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Barium	130	10	116826	08/26/06	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	116826	08/26/06	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Chromium	ND	10	116826	08/26/06	EPA 3010A	EPA 6010B
Cobalt	ND	20	116826	08/26/06	EPA 3010A	EPA 6010B
Copper	ND	10	116826	08/26/06	EPA 3010A	EPA 6010B
Lead	ND	3.0	116826	08/26/06	EPA 3010A	EPA 6010B
Mercury	ND	0.20	116863	08/28/06	METHOD	EPA 7470A
Molybdenum	ND	20	116826	08/26/06	EPA 3010A	EPA 6010B
Nickel	21	20	116826	08/26/06	EPA 3010A	EPA 6010B
Selenium	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Silver	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Thallium	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Vanadium	ND	10	116826	08/26/06	EPA 3010A	EPA 6010B
Zinc	ND	20	116826	08/26/06	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	189000	Project#:	126.056.01.001
Client:	PES Environmental, Inc.	Location:	Heath Site
Field ID:	HS-GW-02	Diln Fac:	1.000
Lab ID:	189000-010	Sampled:	08/25/06
Matrix:	Filtrate	Received:	08/25/06
Units:	ug/L	Analyzed:	08/28/06

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	60	116826	08/26/06	EPA 3010A	EPA 6010B
Arsenic	12	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Barium	52	10	116826	08/26/06	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	116826	08/26/06	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Chromium	ND	10	116826	08/26/06	EPA 3010A	EPA 6010B
Cobalt	ND	20	116826	08/26/06	EPA 3010A	EPA 6010B
Copper	ND	10	116826	08/26/06	EPA 3010A	EPA 6010B
Lead	ND	3.0	116826	08/26/06	EPA 3010A	EPA 6010B
Mercury	ND	0.20	116863	08/28/06	METHOD	EPA 7470A
Molybdenum	ND	20	116826	08/26/06	EPA 3010A	EPA 6010B
Nickel	ND	20	116826	08/26/06	EPA 3010A	EPA 6010B
Selenium	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Silver	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Thallium	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Vanadium	ND	10	116826	08/26/06	EPA 3010A	EPA 6010B
Zinc	ND	20	116826	08/26/06	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	189000	Project#:	126.056.01.001
Client:	PES Environmental, Inc.	Location:	Heath Site
Field ID:	HS-GW-03	Diln Fac:	1.000
Lab ID:	189000-011	Sampled:	08/25/06
Matrix:	Filtrate	Received:	08/25/06
Units:	ug/L	Analyzed:	08/28/06

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	60	116826	08/26/06	EPA 3010A	EPA 6010B
Arsenic	7.6	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Barium	60	10	116826	08/26/06	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	116826	08/26/06	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Chromium	ND	10	116826	08/26/06	EPA 3010A	EPA 6010B
Cobalt	ND	20	116826	08/26/06	EPA 3010A	EPA 6010B
Copper	ND	10	116826	08/26/06	EPA 3010A	EPA 6010B
Lead	ND	3.0	116826	08/26/06	EPA 3010A	EPA 6010B
Mercury	ND	0.20	116863	08/28/06	METHOD	EPA 7470A
Molybdenum	ND	20	116826	08/26/06	EPA 3010A	EPA 6010B
Nickel	22	20	116826	08/26/06	EPA 3010A	EPA 6010B
Selenium	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Silver	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Thallium	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Vanadium	ND	10	116826	08/26/06	EPA 3010A	EPA 6010B
Zinc	ND	20	116826	08/26/06	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

15.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Dissolved California Title 26 Metals

Lab #:	189000	Project#:	126.056.01.001
Client:	PES Environmental, Inc.	Location:	Heath Site
Field ID:	HS-GW-04	Diln Fac:	1.000
Lab ID:	189000-012	Sampled:	08/25/06
Matrix:	Filtrate	Received:	08/25/06
Units:	ug/L	Analyzed:	08/28/06

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	60	116826	08/26/06	EPA 3010A	EPA 6010B
Arsenic	11	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Barium	98	10	116826	08/26/06	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	116826	08/26/06	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Chromium	ND	10	116826	08/26/06	EPA 3010A	EPA 6010B
Cobalt	ND	20	116826	08/26/06	EPA 3010A	EPA 6010B
Copper	ND	10	116826	08/26/06	EPA 3010A	EPA 6010B
Lead	ND	3.0	116826	08/26/06	EPA 3010A	EPA 6010B
Mercury	ND	0.20	116863	08/28/06	METHOD	EPA 7470A
Molybdenum	23	20	116826	08/26/06	EPA 3010A	EPA 6010B
Nickel	ND	20	116826	08/26/06	EPA 3010A	EPA 6010B
Selenium	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Silver	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Thallium	ND	5.0	116826	08/26/06	EPA 3010A	EPA 6010B
Vanadium	ND	10	116826	08/26/06	EPA 3010A	EPA 6010B
Zinc	ND	20	116826	08/26/06	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3010A
Project#:	126.056.01.001	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC353629	Batch#:	116826
Matrix:	Water	Prepared:	08/26/06
Units:	ug/L	Analyzed:	08/28/06

Analyte	Result	RL
Antimony	ND	60
Arsenic	ND	5.0
Barium	ND	10
Beryllium	ND	2.0
Cadmium	ND	5.0
Chromium	ND	10
Cobalt	ND	20
Copper	ND	10
Lead	ND	3.0
Molybdenum	ND	20
Nickel	ND	20
Selenium	ND	5.0
Silver	ND	5.0
Thallium	ND	5.0
Vanadium	ND	10
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

17.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3010A
Project#:	126.056.01.001	Analysis:	EPA 6010B
Matrix:	Water	Batch#:	116826
Units:	ug/L	Prepared:	08/26/06
Diln Fac:	1.000	Analyzed:	08/28/06

Type: BS Lab ID: QC353630

Analyte	Spiked	Result	%REC	Limits
Antimony	500.0	534.8	107	80-120
Arsenic	100.0	108.7	109	80-120
Barium	2,000	2,136	107	80-120
Beryllium	50.00	55.31	111	80-120
Cadmium	50.00	56.18	112	80-120
Chromium	200.0	216.5	108	80-120
Cobalt	500.0	520.5	104	80-120
Copper	250.0	260.1	104	80-120
Lead	100.0	104.2	104	80-120
Molybdenum	400.0	463.7	116	80-120
Nickel	500.0	528.7	106	80-120
Selenium	100.0	110.4	110	80-120
Silver	50.00	51.47	103	80-120
Thallium	100.0	106.4	106	80-120
Vanadium	500.0	542.1	108	80-120
Zinc	500.0	555.6	111	80-120

Type: BSD Lab ID: QC353631

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	521.5	104	80-120	3	20
Arsenic	100.0	106.3	106	80-120	2	20
Barium	2,000	2,099	105	80-120	2	20
Beryllium	50.00	54.74	109	80-120	1	20
Cadmium	50.00	55.00	110	80-120	2	20
Chromium	200.0	212.1	106	80-120	2	20
Cobalt	500.0	513.2	103	80-120	1	20
Copper	250.0	257.2	103	80-120	1	20
Lead	100.0	102.3	102	80-120	2	20
Molybdenum	400.0	455.5	114	80-120	2	20
Nickel	500.0	522.0	104	80-120	1	20
Selenium	100.0	107.3	107	80-120	3	20
Silver	50.00	50.49	101	80-120	2	20
Thallium	100.0	103.6	104	80-120	3	20
Vanadium	500.0	534.7	107	80-120	1	20
Zinc	500.0	550.8	110	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3010A
Project#:	126.056.01.001	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	116826
MSS Lab ID:	188988-001	Sampled:	08/25/06
Matrix:	Water	Received:	08/25/06
Units:	ug/L	Prepared:	08/26/06
Diln Fac:	1.000	Analyzed:	08/28/06

Type: MS Lab ID: QC353632

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	<3.639	500.0	529.0	106	70-121
Arsenic	<1.047	100.0	107.4	107	76-129
Barium	<0.4129	2,000	2,119	106	78-120
Beryllium	<0.2089	50.00	54.02	108	80-120
Cadmium	<0.5500	50.00	55.48	111	80-120
Chromium	<0.5564	200.0	213.6	107	80-120
Cobalt	<0.4605	500.0	517.0	103	80-120
Copper	1.190	250.0	254.8	101	79-120
Lead	<0.5698	100.0	103.3	103	70-120
Molybdenum	<0.4303	400.0	459.2	115	71-120
Nickel	<0.9182	500.0	518.7	104	77-120
Selenium	<1.575	100.0	108.2	108	73-132
Silver	<1.403	50.00	50.26	101	73-121
Thallium	<0.9317	100.0	103.9	104	65-120
Vanadium	<0.4217	500.0	533.3	107	80-120
Zinc	<1.533	500.0	547.2	109	74-123

Type: MSD Lab ID: QC353633

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	546.4	109	70-121	3	20
Arsenic	100.0	110.5	111	76-129	3	20
Barium	2,000	2,189	109	78-120	3	20
Beryllium	50.00	56.31	113	80-120	4	20
Cadmium	50.00	57.23	114	80-120	3	20
Chromium	200.0	220.4	110	80-120	3	20
Cobalt	500.0	532.5	106	80-120	3	20
Copper	250.0	266.2	106	79-120	4	20
Lead	100.0	106.8	107	70-120	3	20
Molybdenum	400.0	475.8	119	71-120	4	20
Nickel	500.0	539.6	108	77-120	4	20
Selenium	100.0	112.3	112	73-132	4	20
Silver	50.00	52.66	105	73-121	5	20
Thallium	100.0	107.4	107	65-120	3	20
Vanadium	500.0	554.1	111	80-120	4	20
Zinc	500.0	570.3	114	74-123	4	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	126.056.01.001	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	116863
Lab ID:	QC353790	Prepared:	08/28/06
Matrix:	Water	Analyzed:	08/28/06
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	126.056.01.001	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	116863
Matrix:	Water	Prepared:	08/28/06
Units:	ug/L	Analyzed:	08/28/06
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC353791	5.000	4.930	99	80-120		
BSD	QC353792	5.000	4.970	99	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	189000	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	126.056.01.001	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	116863
Field ID:	ZZZZZZZZZZ	Sampled:	08/22/06
MSS Lab ID:	188927-007	Received:	08/24/06
Matrix:	Filtrate	Prepared:	08/28/06
Units:	ug/L	Analyzed:	08/28/06
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC353794	<0.05753	5.000	4.930	99	74-125		
MSD	QC353795		5.000	4.950	99	74-125	0	20

RPD= Relative Percent Difference

189000

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126.056.01.001
NAME / LOCATION: Heath Site
PROJECT MANAGER: Ann Loomis

SAMPLERS: MR
RECORDER: MR

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Ansen	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	PCB 8082	TPH-g 8015M	TPH-d 8015M	TPH-mo 8015M	Dissolved CAM 17 *
-9	06	08	25	1740	*S-GW-01		X			4				3	1				↓						↓	↓	↓	↓	↓
-10	↓	↓	↓	1720	↓		↓			↓				↓	↓														
-11	↓	↓	↓	1650	↓		↓			↓				↓	↓														
-12	↓	↓	↓	1300	↓		↓			↓				↓	↓														

NOTES

Turn Around Time:
* standard —
* filter —

Ambient Temp

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
TERgo	Savanna Andis	5/25/07	7:10pm
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	189008	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	116843
Units:	mg/Kg	Sampled:	08/25/06
Basis:	as received	Received:	08/25/06
Diln Fac:	1.000		

Field ID:	HS-P-01	Lab ID:	189008-001
Type:	SAMPLE	Analyzed:	08/29/06

Analyte	Result	RL
Gasoline C7-C12	ND	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	62-137
Bromofluorobenzene (FID)	107	60-148

Field ID:	HS-P-02	Lab ID:	189008-002
Type:	SAMPLE	Analyzed:	08/29/06

Analyte	Result	RL
Gasoline C7-C12	ND	0.96

Surrogate	%REC	Limits
Trifluorotoluene (FID)	84	62-137
Bromofluorobenzene (FID)	109	60-148

Field ID:	HS-P-03	Lab ID:	189008-003
Type:	SAMPLE	Analyzed:	08/29/06

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	83	62-137
Bromofluorobenzene (FID)	102	60-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	189008	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	116843
Units:	mg/Kg	Sampled:	08/25/06
Basis:	as received	Received:	08/25/06
Diln Fac:	1.000		

Field ID:	HS-P-04	Lab ID:	189008-004
Type:	SAMPLE	Analyzed:	08/29/06

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	86	62-137
Bromofluorobenzene (FID)	104	60-148

Type:	BLANK	Analyzed:	08/28/06
Lab ID:	QC353712		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	89	62-137
Bromofluorobenzene (FID)	111	60-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	189008	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC353713	Diln Fac:	1.000
Matrix:	Soil	Batch#:	116843
Units:	mg/Kg	Analyzed:	08/28/06

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.38	104	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	62-137
Bromofluorobenzene (FID)	118	60-148

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	189008	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	188997-005	Batch#:	116843
Matrix:	Soil	Sampled:	08/25/06
Units:	mg/Kg	Received:	08/25/06
Basis:	as received	Analyzed:	08/29/06

Type: MS Lab ID: QC353817

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.08932	9.804	6.362	64	38-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	62-137
Bromofluorobenzene (FID)	124	60-148

Type: MSD Lab ID: QC353818

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.31	6.247	60	38-120	7	26

Surrogate	%REC	Limits
Trifluorotoluene (FID)	92	62-137
Bromofluorobenzene (FID)	102	60-148

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	189008	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.056.01.001	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	188997-007	Batch#:	116843
Matrix:	Soil	Sampled:	08/25/06
Units:	mg/Kg	Received:	08/25/06
Basis:	as received	Analyzed:	08/29/06

Type: MS Lab ID: QC353819

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.08012	10.53	8.831	84	38-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	62-137
Bromofluorobenzene (FID)	109	60-148

Type: MSD Lab ID: QC353820

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.53	8.707	83	38-120	1	26

Surrogate	%REC	Limits
Trifluorotoluene (FID)	109	62-137
Bromofluorobenzene (FID)	109	60-148

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	189008	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	SHAKER TABLE
Project#:	126.056.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	116927
Units:	mg/Kg	Sampled:	08/25/06
Basis:	as received	Received:	08/25/06
Diln Fac:	1.000	Prepared:	08/30/06

Field ID: HS-P-01 Analyzed: 08/31/06
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 189008-001

Analyte	Result	RL
Diesel C10-C24	42 H Y	1.0
Motor Oil C24-C36	190 H L	5.0

Surrogate	%REC	Limits
Hexacosane	95	48-130

Field ID: HS-P-02 Analyzed: 08/31/06
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 189008-002

Analyte	Result	RL
Diesel C10-C24	55 H Y	1.0
Motor Oil C24-C36	180 H L	5.0

Surrogate	%REC	Limits
Hexacosane	89	48-130

Field ID: HS-P-03 Analyzed: 08/31/06
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 189008-003

Analyte	Result	RL
Diesel C10-C24	25 H Y	1.0
Motor Oil C24-C36	96 H L	5.0

Surrogate	%REC	Limits
Hexacosane	82	48-130

Field ID: HS-P-04 Analyzed: 08/31/06
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 189008-004

Analyte	Result	RL
Diesel C10-C24	32 H Y	1.0
Motor Oil C24-C36	120 H L	5.0

Surrogate	%REC	Limits
Hexacosane	75	48-130

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	189008	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	SHAKER TABLE
Project#:	126.056.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	116927
Units:	mg/Kg	Sampled:	08/25/06
Basis:	as received	Received:	08/25/06
Diln Fac:	1.000	Prepared:	08/30/06

Type:	BLANK	Analyzed:	08/30/06
Lab ID:	QC354046	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	71	48-130

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	189008	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	SHAKER TABLE
Project#:	126.056.01.001	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC354047	Batch#:	116927
Matrix:	Soil	Prepared:	08/30/06
Units:	mg/Kg	Analyzed:	08/30/06
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.25	41.62	83	59-133

Surrogate	%REC	Limits
Hexacosane	84	48-130

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	189008	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	SHAKER TABLE
Project#:	126.056.01.001	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	116927
MSS Lab ID:	189053-001	Sampled:	08/29/06
Matrix:	Soil	Received:	08/29/06
Units:	mg/Kg	Prepared:	08/30/06
Basis:	as received	Analyzed:	08/30/06
Diln Fac:	5.000		

Type: MS Lab ID: QC354048

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	2,084	50.00	1,747	-674 NM	37-153

Surrogate	%REC	Limits
Hexacosane	95	48-130

Type: MSD Lab ID: QC354049

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.89	2,324	482 NM	37-153	28	43

Surrogate	%REC	Limits
Hexacosane	107	48-130

NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference

8/25/06 ~~1889000~~ ~~1889000~~ 1889008

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126.056.01.001
NAME / LOCATION: Heath Site
PROJECT MANAGER: Ann Lewis

SAMPLERS: MR
RECORDER: MR

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	TPH-g 8015M	TPHd 8015M *	TPH-mo 8015M *
-1	06	09	25	1105	HS-P-01			X		↓														↓	↓	↓
-2	↓	↓	↓	1110	HS-P-02			↓																		
-3				1115	HS-P-03																					
-4				1120	HS-P-04																					

NOTES

Turn Around Time:
* Standard
* Silicon Gel Screening Cleanup

Ambient

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
E Rizzo	Savanna Curtis	8/25/06	7:00 p.m.
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.057.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Sampled:	08/25/06
Basis:	as received	Received:	08/25/06

Field ID:	HS-SS-01	Batch#:	116843
Type:	SAMPLE	Analyzed:	08/29/06
Lab ID:	189009-001		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	86	62-137
Bromofluorobenzene (FID)	106	60-148

Field ID:	HS-SS-02	Batch#:	116932
Type:	SAMPLE	Analyzed:	08/31/06
Lab ID:	189009-002		

Analyte	Result	RL
Gasoline C7-C12	ND	0.96

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	62-137
Bromofluorobenzene (FID)	107	60-148

Field ID:	HS-SS-03	Batch#:	116932
Type:	SAMPLE	Analyzed:	08/31/06
Lab ID:	189009-003		

Analyte	Result	RL
Gasoline C7-C12	ND	0.93

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	62-137
Bromofluorobenzene (FID)	104	60-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Volatile Hydrocarbons

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.057.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Sampled:	08/25/06
Basis:	as received	Received:	08/25/06

Field ID:	HS-SS-04	Batch#:	116932
Type:	SAMPLE	Analyzed:	08/31/06
Lab ID:	189009-004		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	62-137
Bromofluorobenzene (FID)	110	60-148

Type:	BLANK	Batch#:	116843
Lab ID:	QC353712	Analyzed:	08/28/06

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	89	62-137
Bromofluorobenzene (FID)	111	60-148

Type:	BLANK	Batch#:	116932
Lab ID:	QC354066	Analyzed:	08/30/06

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	62-137
Bromofluorobenzene (FID)	106	60-148

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.057.01.001	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC353713	Diln Fac:	1.000
Matrix:	Soil	Batch#:	116843
Units:	mg/Kg	Analyzed:	08/28/06

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.38	104	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	62-137
Bromofluorobenzene (FID)	118	60-148

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.057.01.001	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	188997-005	Batch#:	116843
Matrix:	Soil	Sampled:	08/25/06
Units:	mg/Kg	Received:	08/25/06
Basis:	as received	Analyzed:	08/29/06

Type: MS Lab ID: QC353817

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.08932	9.804	6.362	64	38-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	62-137
Bromofluorobenzene (FID)	124	60-148

Type: MSD Lab ID: QC353818

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.31	6.247	60	38-120	7	26

Surrogate	%REC	Limits
Trifluorotoluene (FID)	92	62-137
Bromofluorobenzene (FID)	102	60-148

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.057.01.001	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	188997-007	Batch#:	116843
Matrix:	Soil	Sampled:	08/25/06
Units:	mg/Kg	Received:	08/25/06
Basis:	as received	Analyzed:	08/29/06

Type: MS Lab ID: QC353819

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.08012	10.53	8.831	84	38-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	62-137
Bromofluorobenzene (FID)	109	60-148

Type: MSD Lab ID: QC353820

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.53	8.707	83	38-120	1	26

Surrogate	%REC	Limits
Trifluorotoluene (FID)	109	62-137
Bromofluorobenzene (FID)	109	60-148

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.057.01.001	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC354068	Diln Fac:	1.000
Matrix:	Soil	Batch#:	116932
Units:	mg/Kg	Analyzed:	08/30/06

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.28	103	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	62-137
Bromofluorobenzene (FID)	109	60-148

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	126.057.01.001	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	189058-001	Batch#:	116932
Matrix:	Soil	Sampled:	08/30/06
Units:	mg/Kg	Received:	08/30/06
Basis:	as received	Analyzed:	08/31/06

Type: MS Lab ID: QC354165

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.09731	9.524	8.258	86	38-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	62-137
Bromofluorobenzene (FID)	112	60-148

Type: MSD Lab ID: QC354166

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.615	8.280	85	38-120	1	26

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	62-137
Bromofluorobenzene (FID)	115	60-148

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	SHAKER TABLE
Project#:	126.057.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/25/06
Units:	mg/Kg	Received:	08/25/06
Basis:	as received	Prepared:	09/01/06
Batch#:	117014		

Field ID:	HS-SS-01	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	09/01/06
Lab ID:	189009-001	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	32 H Y	1.0
Motor Oil C24-C36	170	5.0

Surrogate	%REC	Limits
Hexacosane	63	48-130

Field ID:	HS-SS-02	Diln Fac:	2.000
Type:	SAMPLE	Analyzed:	09/05/06
Lab ID:	189009-002	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	200 H Y	2.0
Motor Oil C24-C36	920	10

Surrogate	%REC	Limits
Hexacosane	50	48-130

Field ID:	HS-SS-03	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	09/02/06
Lab ID:	189009-003	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	34 H Y	1.0
Motor Oil C24-C36	170	5.0

Surrogate	%REC	Limits
Hexacosane	67	48-130

Field ID:	HS-SS-04	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	09/02/06
Lab ID:	189009-004	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	57 H Y	0.99
Motor Oil C24-C36	250	5.0

Surrogate	%REC	Limits
Hexacosane	50	48-130

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	SHAKER TABLE
Project#:	126.057.01.001	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/25/06
Units:	mg/Kg	Received:	08/25/06
Basis:	as received	Prepared:	09/01/06
Batch#:	117014		

Type:	BLANK	Analyzed:	09/01/06
Lab ID:	QC354397	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	74	48-130

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	SHAKER TABLE
Project#:	126.057.01.001	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC354398	Batch#:	117014
Matrix:	Soil	Prepared:	09/01/06
Units:	mg/Kg	Analyzed:	09/01/06
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.45	43.20	86	59-133

Surrogate	%REC	Limits
Hexacosane	89	48-130

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyls (PCBs)

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.057.01.001	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	08/25/06
Units:	ug/Kg	Received:	08/25/06
Basis:	as received	Prepared:	08/30/06
Diln Fac:	1.000	Analyzed:	08/30/06
Batch#:	116945		

Field ID: HS-SS-01 Lab ID: 189009-001
Type: SAMPLE Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	127	61-140
Decachlorobiphenyl	109	50-155

Field ID: HS-SS-02 Lab ID: 189009-002
Type: SAMPLE Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	122	61-140
Decachlorobiphenyl	99	50-155

Field ID: HS-SS-03 Lab ID: 189009-003
Type: SAMPLE Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	130	61-140
Decachlorobiphenyl	112	50-155

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyls (PCBs)

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.057.01.001	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	08/25/06
Units:	ug/Kg	Received:	08/25/06
Basis:	as received	Prepared:	08/30/06
Diln Fac:	1.000	Analyzed:	08/30/06
Batch#:	116945		

Field ID:	HS-SS-04	Lab ID:	189009-004
Type:	SAMPLE	Cleanup Method:	EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	126	61-140
Decachlorobiphenyl	100	50-155

Type:	BLANK	Cleanup Method:	EPA 3665A
Lab ID:	QC354112		

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	110	61-140
Decachlorobiphenyl	102	50-155

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.057.01.001	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC354113	Batch#:	116945
Matrix:	Soil	Prepared:	08/30/06
Units:	ug/Kg	Analyzed:	08/30/06
Basis:	as received		

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
Aroclor-1016	168.5	183.6	109	68-146
Aroclor-1260	168.5	184.7	110	70-152

Surrogate	%REC	Limits
TCMX	102	61-140
Decachlorobiphenyl	89	50-155

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.057.01.001	Analysis:	EPA 8082
Field ID:	ZZZZZZZZZZ	Batch#:	116945
MSS Lab ID:	189027-001	Sampled:	08/28/06
Matrix:	Soil	Received:	08/29/06
Units:	ug/Kg	Prepared:	08/30/06
Basis:	as received	Analyzed:	08/30/06
Diln Fac:	1.000		

Type: MS
Lab ID: QC354114
Cleanup Method: EPA 3665A

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1016	<3.261	166.1	204.5	123	56-159
Aroclor-1260	<1.810	166.1	207.2	125	46-173

Surrogate	%REC	Limits
TCMX	116	61-140
Decachlorobiphenyl	106	50-155

Type: MSD
Lab ID: QC354115
Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1016	164.4	180.0	109	56-159	12	31
Aroclor-1260	164.4	183.1	111	46-173	11	38

Surrogate	%REC	Limits
TCMX	106	61-140
Decachlorobiphenyl	94	50-155

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California Title 26 Metals

Lab #:	189009	Project#:	126.057.01.001
Client:	PES Environmental, Inc.	Location:	Heath Site
Field ID:	HS-SS-01	Basis:	as received
Lab ID:	189009-001	Sampled:	08/25/06
Matrix:	Soil	Received:	08/25/06
Units:	mg/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	3.0	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Arsenic	22	0.25	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Barium	240	0.50	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Beryllium	0.47	0.10	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Cadmium	2.4	0.25	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Chromium	67	0.50	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Cobalt	15	1.0	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Copper	64	0.50	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Lead	59	0.15	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Mercury	0.040	0.020	1.000	116871	08/28/06	08/29/06	METHOD	EPA 7471A
Molybdenum	1.3	1.0	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Nickel	84	1.0	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Selenium	0.73	0.25	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Silver	ND	0.25	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Thallium	ND	0.25	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Vanadium	58	0.50	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Zinc	460	3.9	5.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California Title 26 Metals

Lab #:	189009	Project#:	126.057.01.001
Client:	PES Environmental, Inc.	Location:	Heath Site
Field ID:	HS-SS-02	Basis:	as received
Lab ID:	189009-002	Diln Fac:	1.000
Matrix:	Soil	Sampled:	08/25/06
Units:	mg/Kg	Received:	08/25/06

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	3.0	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Arsenic	10	0.25	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Barium	150	0.50	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Beryllium	0.21	0.10	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Cadmium	0.73	0.25	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Chromium	39	0.50	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Cobalt	6.9	1.0	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Copper	23	0.50	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Lead	15	0.15	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Mercury	0.068	0.020	116871	08/28/06	08/29/06	METHOD	EPA 7471A
Molybdenum	2.4	1.0	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Nickel	30	1.0	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Selenium	1.6	0.25	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Silver	ND	0.25	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Thallium	ND	0.25	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Vanadium	24	0.50	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Zinc	160	1.0	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California Title 26 Metals

Lab #:	189009	Project#:	126.057.01.001
Client:	PES Environmental, Inc.	Location:	Heath Site
Field ID:	HS-SS-03	Basis:	as received
Lab ID:	189009-003	Sampled:	08/25/06
Matrix:	Soil	Received:	08/25/06
Units:	mg/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	3.0	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Arsenic	12	0.25	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Barium	120	0.50	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Beryllium	0.30	0.10	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Cadmium	3.7	0.25	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Chromium	54	0.50	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Cobalt	14	1.0	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Copper	78	0.50	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Lead	110	0.15	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Mercury	0.064	0.021	1.000	116871	08/28/06	08/29/06	METHOD	EPA 7471A
Molybdenum	7.2	1.0	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Nickel	73	1.0	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Selenium	1.1	0.25	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Silver	ND	0.25	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Thallium	ND	0.25	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Vanadium	44	0.50	1.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Zinc	770	4.9	5.000	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California Title 26 Metals

Lab #:	189009	Project#:	126.057.01.001
Client:	PES Environmental, Inc.	Location:	Heath Site
Field ID:	HS-SS-04	Basis:	as received
Lab ID:	189009-004	Diln Fac:	1.000
Matrix:	Soil	Sampled:	08/25/06
Units:	mg/Kg	Received:	08/25/06

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	3.0	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Arsenic	8.4	0.25	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Barium	360	0.50	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Beryllium	0.40	0.10	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Cadmium	0.54	0.25	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Chromium	49	0.50	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Cobalt	8.2	1.0	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Copper	29	0.50	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Lead	15	0.15	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Mercury	0.13	0.021	116871	08/28/06	08/29/06	METHOD	EPA 7471A
Molybdenum	ND	1.0	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Nickel	45	1.0	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Selenium	1.6	0.25	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Silver	ND	0.25	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Thallium	ND	0.25	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Vanadium	30	0.50	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B
Zinc	72	1.0	117006	09/01/06	09/01/06	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	126.057.01.001	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC353831	Batch#:	116871
Matrix:	Soil	Prepared:	08/28/06
Units:	mg/Kg	Analyzed:	08/29/06

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	126.057.01.001	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	116871
Units:	mg/Kg	Prepared:	08/28/06
Basis:	as received	Analyzed:	08/29/06

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC353832	0.5000	0.5230	105	80-120		
BSD	QC353833	0.5000	0.5180	104	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	126.057.01.001	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	116871
MSS Lab ID:	188983-001	Sampled:	08/24/06
Matrix:	Soil	Received:	08/25/06
Units:	mg/Kg	Prepared:	08/28/06
Basis:	as received	Analyzed:	08/29/06

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC353835	<0.006105	0.5000	0.5880	118	54-154		
MSD	QC353836		0.4902	0.5196	106	54-154	10	28

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	126.057.01.001	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC354357	Batch#:	117006
Matrix:	Soil	Prepared:	09/01/06
Units:	mg/Kg	Analyzed:	09/01/06
Basis:	as received		

Analyte	Result	RL
Antimony	ND	3.0
Arsenic	ND	0.25
Barium	ND	0.50
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.50
Cobalt	ND	1.0
Copper	ND	0.50
Lead	ND	0.15
Molybdenum	ND	1.0
Nickel	ND	1.0
Selenium	ND	0.25
Silver	ND	0.25
Thallium	ND	0.25
Vanadium	ND	0.50
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	126.057.01.001	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	117006
Units:	mg/Kg	Prepared:	09/01/06
Basis:	as received	Analyzed:	09/01/06
Diln Fac:	1.000		

Type: BS Lab ID: QC354358

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	95.70	96	80-120
Arsenic	50.00	49.92	100	80-120
Barium	100.0	98.37	98	80-120
Beryllium	2.500	2.736	109	80-120
Cadmium	10.00	10.35	103	80-120
Chromium	100.0	96.99	97	80-120
Cobalt	25.00	24.16	97	80-120
Copper	12.50	12.03	96	80-120
Lead	100.0	97.14	97	80-120
Molybdenum	20.00	20.35	102	80-120
Nickel	25.00	24.70	99	80-120
Selenium	50.00	49.63	99	80-120
Silver	10.00	9.721	97	80-120
Thallium	50.00	49.31	99	80-120
Vanadium	25.00	24.71	99	80-120
Zinc	25.00	25.03	100	80-120

Type: BSD Lab ID: QC354359

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	101.7	102	80-120	6	20
Arsenic	50.00	52.01	104	80-120	4	20
Barium	100.0	102.0	102	80-120	4	20
Beryllium	2.500	2.843	114	80-120	4	20
Cadmium	10.00	10.81	108	80-120	4	20
Chromium	100.0	100.6	101	80-120	4	20
Cobalt	25.00	25.22	101	80-120	4	20
Copper	12.50	12.46	100	80-120	4	20
Lead	100.0	101.3	101	80-120	4	20
Molybdenum	20.00	21.37	107	80-120	5	20
Nickel	25.00	25.81	103	80-120	4	20
Selenium	50.00	51.36	103	80-120	3	20
Silver	10.00	10.11	101	80-120	4	20
Thallium	50.00	51.37	103	80-120	4	20
Vanadium	25.00	25.76	103	80-120	4	20
Zinc	25.00	26.17	105	80-120	4	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	189009	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	126.057.01.001	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	117006
MSS Lab ID:	189067-001	Sampled:	08/30/06
Matrix:	Soil	Received:	08/30/06
Units:	mg/Kg	Prepared:	09/01/06
Basis:	as received	Analyzed:	09/01/06

Type: MS Lab ID: QC354360

Analyte	MSS Result	Spiked	Result	%REC	Limits	Diln Fac
Antimony	0.9572	77.52	25.71	32	1-126	1.000
Arsenic	5.952	38.76	42.54	94	74-120	1.000
Barium	266.7	77.52	499.5	300 *	53-134	10.00
Beryllium	0.6290	1.938	2.611	102	78-120	1.000
Cadmium	0.2845	7.752	7.259	90	71-120	1.000
Chromium	68.49	77.52	139.2	91	64-120	1.000
Cobalt	15.78	19.38	32.65	87	64-120	1.000
Copper	26.88	9.690	37.56	110	56-139	1.000
Lead	9.854	77.52	74.60	84	57-120	1.000
Molybdenum	0.3097	15.50	13.64	86	68-120	1.000
Nickel	72.25	19.38	93.87	112	48-132	1.000
Selenium	<0.06212	38.76	33.90	87	72-120	1.000
Silver	<0.03461	7.752	3.729	48 *	67-120	1.000
Thallium	<0.02441	38.76	30.81	79	69-120	1.000
Vanadium	56.38	19.38	71.97	80	55-134	1.000
Zinc	56.76	19.38	75.80	98	46-133	1.000

Type: MSD Lab ID: QC354361

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Diln Fac
Antimony	86.96	29.10	32	1-126	1	21	1.000
Arsenic	43.48	45.08	90	74-120	4	20	1.000
Barium	86.96	602.6	386 *	53-134	16	20	10.00
Beryllium	2.174	2.792	99	78-120	2	20	1.000
Cadmium	8.696	7.990	89	71-120	2	20	1.000
Chromium	86.96	144.0	87	64-120	3	20	1.000
Cobalt	21.74	32.47	77	64-120	7	20	1.000
Copper	10.87	37.67	99	56-139	3	20	1.000
Lead	86.96	80.96	82	57-120	2	20	1.000
Molybdenum	17.39	14.98	84	68-120	2	20	1.000
Nickel	21.74	92.90	95	48-132	4	20	1.000
Selenium	43.48	37.25	86	72-120	2	20	1.000
Silver	8.696	4.446	51 *	67-120	6	20	1.000
Thallium	43.48	34.34	79	69-120	1	20	1.000
Vanadium	21.74	74.98	86	55-134	1	20	1.000
Zinc	21.74	77.73	97	46-133	1	20	1.000

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Curtis & Tompkins
SAMPLERS: MR
JOB NUMBER: 126.057.01.001
NAME / LOCATION: Heath site
PROJECT MANAGER: Ann Loomis
RECORDER: MR

DATE YR	DATE MO	DATE DY	DATE TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	MATRIX Water	MATRIX Soil	MATRIX Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015Me	TPHd by 8015M +	TPHmo by 8015M +	EPA 8270C	MNA Parameters (see notes)	PCB 8082	CAM17
06	08	25	1706	HS-SS-01			x																	
			1705	HS-SS-02																				
			1710	HS-SS-03																				
			1715	HS-SS-04																				

NOTES

Turn Around Time: Standard
* silica gel cleanup

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	Lavanna Curtis	8/25/06	7:10 p.m.
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Chloride

Lab #:	189170	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	126.056.01.001	Analysis:	EPA 300.0
Analyte:	Chloride	Batch#:	117157
Matrix:	Water	Received:	08/25/06
Units:	mg/L		

Field ID	Type	Lab ID	Result	RL	Diln Fac	Sampled	Analyzed
HS-GW-01	SAMPLE	189170-001	1,800	20	100.0	08/25/06 17:40	09/06/06 16:44
HS-GW-02	SAMPLE	189170-002	2,500	40	200.0	08/25/06 17:20	09/06/06 17:01
HS-GW-03	SAMPLE	189170-003	3,000	40	200.0	08/25/06 16:50	09/06/06 17:19
HS-GW-04	SAMPLE	189170-004	4,100	100	500.0	08/25/06 13:00	09/06/06 17:36
	BLANK	QC354955	ND	0.20	1.000		09/06/06 15:48

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Chloride

Lab #:	189170	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	126.056.01.001	Analysis:	EPA 300.0
Analyte:	Chloride	Units:	mg/L
Field ID:	HS-GW-01	Batch#:	117157
MSS Lab ID:	189170-001	Sampled:	08/25/06 17:40
Matrix:	Water	Received:	08/25/06

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Diln Fac	Analyzed
BS	QC354956		4.000	3.867	97	80-120			1.000	09/06/06 16:06
BSD	QC354957		4.000	3.778	94	80-120	2	20	1.000	09/06/06 16:23
MS	QC354958	1,807	4,000	5,535	93	80-120			2,000	09/06/06 17:53
MSD	QC354959		4,000	5,542	93	80-120	0	20	2,000	09/06/06 18:11

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Conductivity

Lab #:	189170	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	126.056.01.001	Analysis:	EPA 120.1
Analyte:	Specific Conductance	Batch#:	117130
Matrix:	Water	Received:	08/25/06
Units:	umhos/cm	Analyzed:	09/06/06 12:30
Diln Fac:	1.000		

Field ID	Type	Lab ID	Result	RL	Sampled
HS-GW-01	SAMPLE	189170-001	4,650	1.0	08/25/06 17:40
HS-GW-02	SAMPLE	189170-002	5,520	1.0	08/25/06 17:20
HS-GW-03	SAMPLE	189170-003	6,040	1.0	08/25/06 16:50
HS-GW-04	SAMPLE	189170-004	6,040	1.0	08/25/06 13:00
	BLANK	QC354830	ND	1.0	

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Conductivity

Lab #:	189170	Location:	Heath Site
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	126.056.01.001	Analysis:	EPA 120.1
Analyte:	Specific Conductance	Diln Fac:	1.000
Field ID:	HS-GW-01	Batch#:	117130
MSS Lab ID:	189170-001	Sampled:	08/25/06 17:40
Matrix:	Water	Received:	08/25/06
Units:	umhos/cm	Analyzed:	09/06/06 12:30

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
LCS	QC354831		1,412	1,392		99	90-110		
SDUP	QC354832	4,650		4,640	1.000			0	20

RL= Reporting Limit
RPD= Relative Percent Difference

Tracy Babjar CT # 189170

From: "Bill Frizzell" <bfrizzell@pesenv.com>
To: "'Tracy Babjar'" <tracy@ctberk.com>
Cc: "Ann Loomis (E-mail)" <aloomis@pesenv.com>; <mrizo@pesenv.com>
Sent: Tuesday, September 05, 2006 2:37 PM
Subject: RE: 126.056.01.001 - C&T Reports (189000)

Tracy:

Thanks for the lab reports. I would like to request that you measure the chloride content and electrical conductivity for samples HS-GW-01, HS-GW-02, HS-GW-03, and HS-GW-04. Thanks.

011 12 009 010

Bill

-----Original Message-----
From: Tracy Babjar [mailto:tracy@ctberk.com]
Sent: Tuesday, September 05, 2006 12:20 PM
To: aloomis@pesenv.com
Cc: bfrizzell@pesenv.com; mrizo@pesenv.com
Subject: 126.056.01.001 - C&T Reports (189000)

Attached is a PDF version of the hardcopy reports for C&T job 189000.

Email compiled and sent 09/05/06 12:19 PM.

DISTRIBUTION

PHASE II INVESTIGATION REPORT
101-ACRE HEATH PROPERTY
MOWRY AVENUE
NEWARK, CALIFORNIA

SEPTEMBER 25, 2006

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