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Engineering & Environmental Services

A Report Prepared for:

Sobrato Development Companies
10600 North De Anza Boulevard
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Attention: Mr. Tim Steele

PHASE II INVESTIGATION
80-ACRE SOBRATO SITE
STEVENSON BOULEVARD AND CHERRY STREET
NEWARK, CALIFORNIA

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1.0 INTRODUCTION

This report presents the results of a Phase II Investigation of Sobrato Development Company's (Sobrato) approximately 80-Acre Property located in Newark, California, at the intersection of Stevenson Avenue and Cherry Street. (Plate 1). The investigation was performed by PES Environmental, Inc. (PES).

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 1950s. No information is available concerning historical pesticide and/or herbicide use at the site. However, the pesticides DDE and toxaphene were identified in soil on the adjacent property (Ohlone College site) at levels above published residential soil screening levels. Based on our review of aerial photographs, the subject and adjacent property appear to have a similar agricultural history;

- The presence of a small quantity of herbicide containers (two, 1-gallon) observed on the subject property suggest recent herbicide use. The herbicide observed on the property contains oxyflurofen, naphthalene and isophorone;

- Construction debris was reportedly observed at the site sometime prior to 1980; and

- The potential exists for the presence of septic tanks or USTs associated with the former structures on the site along Cherry Street in the north central portion of the site.

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. The recommended Phase II activities include the following:

- Sampling and analysis of near surface soils to evaluate the presence of residual agricultural chemicals;

- A geophysical survey to screen the former ranch compound area for USTs; and

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[1] PES Environmental, Inc., 2006. *Phase I Environmental Site Assessment, 80-Acre Sobrato Site, Stevenson Boulevard and Cherry Street*. August 11.

- Excavating test pits across the site to observe soil conditions and assess whether there is evidence of construction debris or other deleterious fill material.

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) a geophysical survey; (3) test pit excavations; and (4) soil sampling and analysis.

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 test pit excavation locations for subsurface utilities and large debris. Subdynamic Locating Service (Subdynamic) of San Jose, California performed the utility clearance on May 31, 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. Finally, a subcontractor was scheduled to perform the test pit excavation.

3.2 Geophysical Survey

To assess the potential presence of significant buried features, PES retained Subdynamic to conduct a magnetometer survey to detect the possible presence of buried metal objects. Subdynamic performed the survey on May 31, 2006. The surveys were performed on a 2-acre area within the northern part of the lot adjacent to Cherry Street, as shown on Plate 2. This area was identified in the Phase I ESA as containing the former ranch compound buildings. In addition to the 2-acre area, 10 test pit locations were cleared of subsurface utilities prior to excavation. The locations of the 10 test pits were documented using a hand-held Garmin Etrex Vista global positioning system (GPS) receiver.

3.3 Test Pit Excavation

Ten locations were investigated with test pits within the northeast quadrant of the site. This approximately 15-acre portion of the site appeared to have been subjected to minor grading and/or other surface disturbance prior to 1980. Test pit activities were conducted on June 6, 2006. Cornerstone Environmental Contractors, Inc. (Cornerstone) of Pleasant Hill, California used a standard backhoe with operator to dig the test pits under PES' direct supervision. At each of the test pit locations, the backhoe scraped soil from the surface to depths of approximately 6 to 8 feet below ground surface (bgs) in order to expose any buried debris. Test pit soils were visually logged by PES in accordance with Soil Classification and Munsell Color charts. Each test pit was backfilled with the trench spoils upon completion of the logging.

3.4 Soil Sampling and Analysis

On May 31 and June 1, 2006, PES collected soil samples at 78 locations, approximately one per acre. Sample locations are shown on Plate 2. The 78 sample locations coordinates were predetermined in a grid pattern across the site. Using the Garmin Etrex Vista GPS unit, PES located sample points using latitude and longitude coordinates, within the unit's obtainable accuracy, typically 8 to 15 feet. Sample location coordinates are presented in Table 1, and sample locations are shown on Plate 2.

Soil samples were collected from 6 to 12 inches bgs at each location, and from 18 to 24 inches bgs at one of every three locations (one deeper sample per composite group), as indicated on Table 1. 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 threes (26 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. Based on the initial composite sample results, some of the 78 discrete soil samples that made up each of the three-point composites as well as some of the deeper samples from those locations were subsequently analyzed using EPA Test Method 8081A. In addition, nine composite samples from locations across the subject property were also analyzed for chlorinated herbicides using EPA Test Method 8151A. Table 1 shows which composite samples were analyzed for herbicides.

4.0 PHASE II INVESTIGATION RESULTS

Results of the geophysical survey, test pit activities and soil sampling analysis are described below.

4.1 Results of Geophysical Survey

The geophysical survey revealed no evidence of magnetic anomalies representative of possible subsurface features such as underground tanks in the approximately 2-acre portion of the site that was part of the former ranch compound. The geophysical survey results did indicate the presence of small quantities of isolated metallic debris scattered throughout the area as expected of a formerly developed parcel.

4.2 Test Pit Observations

During the excavation of each test pit, soils were exposed at depths of up to 6 feet bgs in the 15-acre northeast quadrant adjacent to Cherry Street. Excavations showed that surficial soils consisted of an approximately 1.5-foot thick layer of organic rich silty sand, underlain by an approximately 2-foot thick layer of dark brown to yellowish brown silty clay, with moist olive clay to approximately 6 feet bgs. Soils were visually inspected and no evidence of debris-containing fill materials or soil that may be of environmental concern was found.

4.3 Results of 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 three-part compositing method used in the sampling and analytical program for this site, PES initially compared the laboratory results with concentrations equal to one-third 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. Where concentrations of contaminants were found to exceed one-third of the regulatory screening criteria, additional analyses of the subsamples were performed to measure the concentrations for each subsample and to isolate those areas of the site that may exceed screening levels.

4.3.1 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.

4.3.1.1 Lead and Arsenic in Composite Soil Samples

Lead and arsenic, elements that are common constituents of soil, were detected in composite soil samples at maximum concentrations of 22 and 6.2 milligrams per kilogram (mg/kg), respectively. 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 less than one-third 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 0.39 and 0.07 mg/kg, respectively. However, the exceedence would not require remediation because the arsenic concentrations are representative of background conditions.

4.3.1.2 Organochlorine Pesticides in Composite Soil Samples

Eight organochlorine pesticides were detected in one or more composite soil samples, including heptachlor epoxide, 4,4'-DDT, 4,4'-DDE, endosulfan I, endrin, gamma-chlordane, alpha-chlordane and toxaphene. 4,4'-DDT, 4,4'-DDE and toxaphene were most commonly detected, in 12, 23 and 15 composite samples, respectively.

The other five organochlorine pesticides were detected in three 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-third 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, 4,4'-DDE and toxaphene were detected in one or more composite samples at concentrations exceeding one-third of the respective PRG and/or CHHSL, as shown on Table 2. 4,4'-DDE was detected at up to 560 μg/kg (CS-17), slightly greater than one-third the CHHSL of 1,600 mg/kg and toxaphene was detected at up to 960 mg/kg, and above one-third the PRG of 440 μg/kg and CHHSL of 460 μg/kg in all 15 composite samples in which it was detected.

To further characterize the lateral and vertical extent of organochlorine pesticides at the site, discrete analyses were performed on select soil samples that comprised composite samples with the highest concentrations of 4,4'-DDE and toxaphene. Discrete samples CS-17A-1.5, CS-17B-1.5 and CS-17C-1.5 were analyzed to confirm that concentrations of 4,4'-DDE in discrete soil samples did not exceed the respective PRG and CHHSL. To evaluate the extent of toxaphene, 24 discrete samples comprising the 8 composite samples with toxaphene concentrations greater than 300 μg/kg were analyzed for organochlorine pesticides. Additionally, because composite sample results exceeded the PRG and CHHSL for toxaphene, the deeper samples (18 to 24 inches deep) from those locations were also analyzed for organochlorine pesticides. Discrete sample results are presented in Table 3 and in Section 4.3.2.

4.3.1.3 Chlorinated Herbicides in Composite Soil Samples

No chlorinated herbicides were detected above laboratory reporting limits in any of the 8 three-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-third the applicable PRGs and CHHSLs and are included in the laboratory analytical reports in the Appendix.

4.3.2 Discrete Sample Results

Table 3 presents the results of laboratory analysis of organochlorine pesticides in discrete soil samples. Analytical results for discrete samples CS-17A, CS-17B and CS-17C contained a maximum 4,4'-DDE concentration of 350 mg/kg, well below the PRG and CHHSL of 2,400 and 2,300 mg/kg, respectively. For toxaphene, 15 of 24 discrete soil samples from 0.5 to 1.0 feet bgs contained toxaphene at or above the PRG of 440 μg/kg and/or the CHHSL of 460 μg/kg. Toxaphene results for discrete soil samples are presented on Plate 3. Since soil samples were sited to represent an acre of area, Plate 3 also depicts the approximate area of soil containing toxaphene at concentrations greater than the PRG and/or CHHSL. As shown on the plate, an estimated 15 acres, or approximately 19% of the site, may contain toxaphene at concentrations above the CHHSL.

Results of discrete samples collected from 18 to 24 inches bgs show that pesticides were not detected in deeper soil samples. Based on these results, soil with organochlorine pesticide exceeding regulatory screening levels is not expected to extend more than 1.5 feet below ground surface. Therefore, the volume of soil potentially affected by toxaphene above regulatory screening levels may be on the order of about 40,000 cubic yards.

5.0 CONCLUSIONS

In accordance with the recommendations made in PES' Phase I ESA for the subject property, investigations were performed to resolve or define potential environmental concerns. Based on the results of the Phase II investigation, PES did not find evidence of USTs in the former ranch compound area and did not encounter deleterious fill material or significant debris in the areas investigated.

There was evidence of residual agricultural chemicals in the near surface soils in approximately 15 acres of the site generally west of Addition Road that exceed published regulatory screening levels.

Chlorinated herbicides were not detected in any of the soil samples. Lead and arsenic were detected at concentrations that are representative of background conditions. Of organochlorine pesticides detected in soil, only toxaphene was detected in discrete soil samples at concentrations above the PRG and CHHSL of 440 and 460 mg/kg, respectively. The volume of soil with toxaphene concentrations exceeding these screening levels is estimated to be on the order of 40,000 cubic yards. If the site is to be redeveloped for residential use, soils with elevated levels of toxaphene may need to be further addressed. Options for these soils include, but are not limited to: 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.

TABLES

Table 1
Summary of Sample Information
Sobrato Development Companies 80-Acre Property
Cherry Street at Stevenson Boulevard
Newark, California

Location	Coordinates		Accuracy (feet)	Deeper Sample	Herbicides 8151A
	Latitude	Longitude			
CS-1A	37.30.761	122.00.761	21	X	
CS-1B	37.30.753	122.00.122	14		
CS-1C	37.30.744	122.00.086	15		
CS-2A	37.30.804	122.00.154	13		
CS-2B	37.30.791	122.00.108	23		
CS-2C	37.30.783	122.00.070	22	X	
CS-3A	37.30.839	122.00.152	16		
CS-3B	37.30.823	122.00.101	23	X	X
CS-3C	37.30.813	122.00.062	12		
CS-4A	37.30.869	122.00.146	22		
CS-4B	37.30.849	122.00.090	14		
CS-4C	37.30.849	122.00.058	18	X	
CS-5A	37.30.900	122.00.137	12		
CS-5B	37.30.889	122.00.086	19	X	
CS-5C	37.30.881	122.00.049	14		
CS-6A	37.30.941	122.00.128	23	X	
CS-6B	37.30.920	122.00.068	18		
CS-6C	37.30.912	122.00.040	12		
CS-7A	37.30.981	122.00.116	11		
CS-7B	37.30.966	122.00.067	14	X	X
CS-7C	37.30.948	122.00.018	15		
CS-8A	37.31.013	122.00.108	22	X	
CS-8B	37.30.999	122.00.058	22		
CS-8C	37.30.973	121.59.993	19		
CS-9A	37.30.931	121.59.989	23	X	
CS-9B	37.30.948	121.59.955	27		
CS-9C	37.30.928	121.59.916	13		
CS-10A	37.30.899	122.00.001	24		
CS-10B	37.30.919	121.59.962	18		
CS-10C	37.30.888	121.59.919	13	X	
CS-11A	37.30.872	122.00.016	38	X	
CS-11B	37.30.889	121.59.969	18		X
CS-11C	37.30.864	121.59.924	17		
CS-12A	37.30.834	122.00.025	24		
CS-12B	37.30.834	121.59.979	22	X	
CS-12C	37.30.833	121.59.929	10		
CS-13A	37.30.807	122.00.032	17		
CS-13B	37.30.825	121.59.984	15		
CS-13C	37.30.794	121.59.945	19	X	
CS-14A	37.30.775	122.00.049	14		
CS-14B	37.30.788	121.59.993	14	X	
CS-14C	37.30.759	121.59.955	4		
CS-15A	37.30.747	122.00.054	13	X	
CS-15B	37.30.726	122.00.013	15		X
CS-15C	37.30.714	121.59.972	11		

Table 1
Summary of Sample Information
Sobrato Development Companies 80-Acre Property
Cherry Street at Stevenson Boulevard
Newark, California

Location	Coordinates		Accuracy (feet)	Deeper Sample	Herbicides 8151A
	Latitude	Longitude			
CS-16A	37.30.707	121.59.937	9	X	
CS-16B	37.30.701	121.59.909	25		
CS-16C	37.30.684	121.59.861	9		
CS-17A	37.30.764	121.59.907	12		
CS-17B	37.30.759	121.59.882	7		
CS-17C	37.30.738	121.59.859	9	X	
CS-18A	37.30.799	121.59.898	12		
CS-18B	37.30.789	121.59.869	7	X	X
CS-18C	37.30.772	121.59.855	11		
CS-19A	37.30.829	121.59.890	7		
CS-19B	37.30.813	121.59.861	8		
CS-19C	37.30.805	121.59.835	8	X	
CS-20A	37.30.865	121.59.879	14	X	
CS-20B	37.30.847	121.59.852	8		
CS-20C	37.30.838	121.59.818	8		
CS-21A	37.30.894	121.59.871	6		
CS-21B	37.30.883	121.59.840	8		X
CS-21C	37.30.866	121.59.801	8	X	
CS-22A	37.30.828	121.59.718	13		
CS-22B	37.30.824	121.59.710	7		
CS-22C	37.30.817	121.59.769	8	X	
CS-23A	37.30.818	121.59.717	18		
CS-23B	37.30.789	121.59.725	13	X	X
CS-23C	37.30.779	121.59.755	23		
CS-24A	37.30.748	121.59.737	8		
CS-24B	37.30.745	121.59.773	13		
CS-24C	37.30.710	121.59.746	24	X	
CS-25A	37.30.723	121.59.789	11		
CS-25B	37.30.684	121.59.809	12	X	X
CS-25C	37.30.670	121.59.755	8		
CS-26A	37.31.023	122.00.082	19		
CS-26B	37.30.956	121.59.962	53		
CS-26C	37.30.897	121.59.850	17	X	

Table 2
Summary of Laboratory Analytical Results - Composite Samples
Organochlorine Pesticides, Arsenic and Lead in Soil
Sobrato Development Companies 80-Acre Property
Cherry Street at Stevenson Boulevard
Newark, California

Sample Identification	Sample Date	Sample Depth (feet bgs)	Heptachlor epoxide (µg/kg)	4,4',-DDT (µg/kg)	4,4',-DDE (µg/kg)	Endosulfan I (µg/kg)	Endrin (µg/kg)	gamma-Chlordane (µg/kg)	alpha-Chlordane (µg/kg)	Toxaphene (µg/kg)	Arsenic (mg/kg)	Lead (mg/kg)
CS-1	6/1/2006	0.5 - 1.0	ND(17)	ND(33)	**250**	ND(17)	ND(33)	ND(17)	ND(17)	**410 J**	**5.4**	**9.1**
CS-2	6/1/2006	0.5 - 1.0	ND(8.6)	**34 C**	**250**	ND(8.6)	ND(17)	ND(8.6)	ND(8.6)	**430**	**6.2**	**8.9**
CS-3	6/1/2006	0.5 - 1.0	ND(17)	**66 C**	**350**	ND(17)	ND(33)	ND(17)	ND(17)	**960**	**5.8**	**11**
CS-4	6/1/2006	0.5 - 1.0	ND(17)	**34**	**240**	ND(17)	ND(33)	ND(17)	ND(17)	**450 J**	**5.6**	**11**
CS-5	6/1/2006	0.5 - 1.0	ND(8.5)	**34 C**	**240**	ND(8.5)	ND(17)	ND(8.5)	ND(8.5)	**490**	**5.8**	**12**
CS-6	6/1/2006	0.5 - 1.0	ND(1.7)	**10 C**	**45**	ND(1.7)	**14 C**	ND(1.7)	**2.3 C**	**330**	**5.2**	**11**
CS-7	6/1/2006	0.5 - 1.0	ND(1.7)	ND(3.3)	**61**	ND(1.7)	**22 C**	ND(1.7)	**2.6 C**	**420**	**4.5**	**11**
CS-8	6/1/2006	0.5 - 1.0	ND(8.5)	ND(17)	**24**	ND(8.5)	ND(17)	ND(8.5)	ND(8.5)	**160 J**	**5.2**	**8.7**
CS-9	6/1/2006	0.5 - 1.0	ND(8.6)	ND(17)	**32**	ND(8.6)	ND(17)	ND(8.6)	ND(8.6)	**220 J**	**4.5**	**11**
CS-10	6/1/2006	0.5 - 1.0	ND(8.5)	ND(17)	**38**	ND(8.5)	ND(17)	ND(8.5)	ND(8.5)	**210 J**	**4.4**	**8.8**
CS-11	6/1/2006	0.5 - 1.0	ND(8.6)	ND(17)	**56**	ND(8.6)	ND(17)	ND(8.6)	ND(8.6)	**260 J**	**3.9**	**9**
CS-12	6/1/2006	0.5 - 1.0	ND(8.5)	**26 #**	**140**	ND(8.5)	ND(17)	ND(8.5)	ND(8.5)	**220 J**	**4.0**	**22**
CS-13	6/1/2006	0.5 - 1.0	ND(8.5)	**23 #**	**290**	ND(8.5)	**22**	ND(8.5)	ND(8.5)	**340**	**6.0**	**7.8**
CS-14	6/1/2006	0.5 - 1.0	ND(8.5)	**34 #**	**270 C**	ND(8.5)	ND(17)	ND(8.5)	ND(8.5)	**220 J**	**5.0**	**9.8**
CS-15	6/1/2006	0.5 - 1.0	ND(8.5)	**36 #**	**460 C**	ND(8.5)	ND(17)	ND(8.5)	ND(8.5)	**190 J**	**4.0**	**8.9**
CS-16	6/1/2006	0.5 - 1.0	ND(8.5)	ND(17)	**300**	ND(8.5)	ND(17)	ND(8.5)	ND(8.5)	ND(300)	**2.2**	**7.2**
CS-17	6/1/2006	0.5 - 1.0	ND(8.6)	ND(17)	**560**	ND(8.6)	ND(17)	ND(8.6)	ND(8.6)	ND(300)	**3.9**	**8.8**
CS-18	6/1/2006	0.5 - 1.0	ND(8.5)	ND(17)	**420**	ND(8.5)	ND(17)	ND(8.5)	ND(8.5)	ND(300)	**4.3**	**9.2**
CS-19	6/1/2006	0.5 - 1.0	ND(8.5)	ND(17)	ND(17)	ND(8.5)	ND(17)	ND(8.5)	ND(8.5)	ND(300)	**3.9**	**11**
CS-20	6/1/2006	0.5 - 1.0	ND(8.5)	ND(17)	ND(17)	ND(8.5)	ND(17)	ND(8.5)	ND(8.5)	ND(300)	**3.5**	**7.2**
CS-21	6/1/2006	0.5 - 1.0	ND(8.5)	ND(17)	ND(17)	ND(8.5)	ND(17)	ND(8.5)	ND(8.5)	ND(300)	**3.1**	**8**
CS-22	6/1/2006	0.5 - 1.0	ND(8.5)	ND(17)	**18**	ND(8.5)	ND(17)	ND(8.5)	ND(8.5)	ND(300)	**5.0**	**18**
CS-23	5/31/2006	0.5 - 1.0	**4.1 C**	**14 C**	**59 C**	**2.0**	ND(3.3)	**21**	**57 C**	ND(60)	**5.7**	**8.5**
CS-24	5/31/2006	0.5 - 1.0	ND(1.7)	**15**	**110 C**	ND(1.7)	ND(3.3)	ND(1.7)	ND(1.7)	ND(60)	**5.1**	**10**
CS-25	5/31/2006	0.5 - 1.0	ND(1.7)	**4.0**	**220 C**	ND(1.7)	ND(3.3)	ND(1.7)	ND(1.7)	ND(60)	**5.9**	**8.6**
CS-26	6/1/2006	0.5 - 1.0	ND(8.5)	ND(17)	**39 C**	ND(8.5)	ND(17)	ND(8.5)	ND(8.5)	ND(300)	**5.4**	**8.4**
EPA Region 9 PRGs			**53**	**1,700**	**1,700**	**370,000**	**18,000**	**1,600**	**1,600**	**440**	**0.39(1)**	**150(1)**
DTSC CHHSLs			None	**1,600**	**1,600**	None	**21,000**	**430**	**430**	**460**	**0.07**	**150**

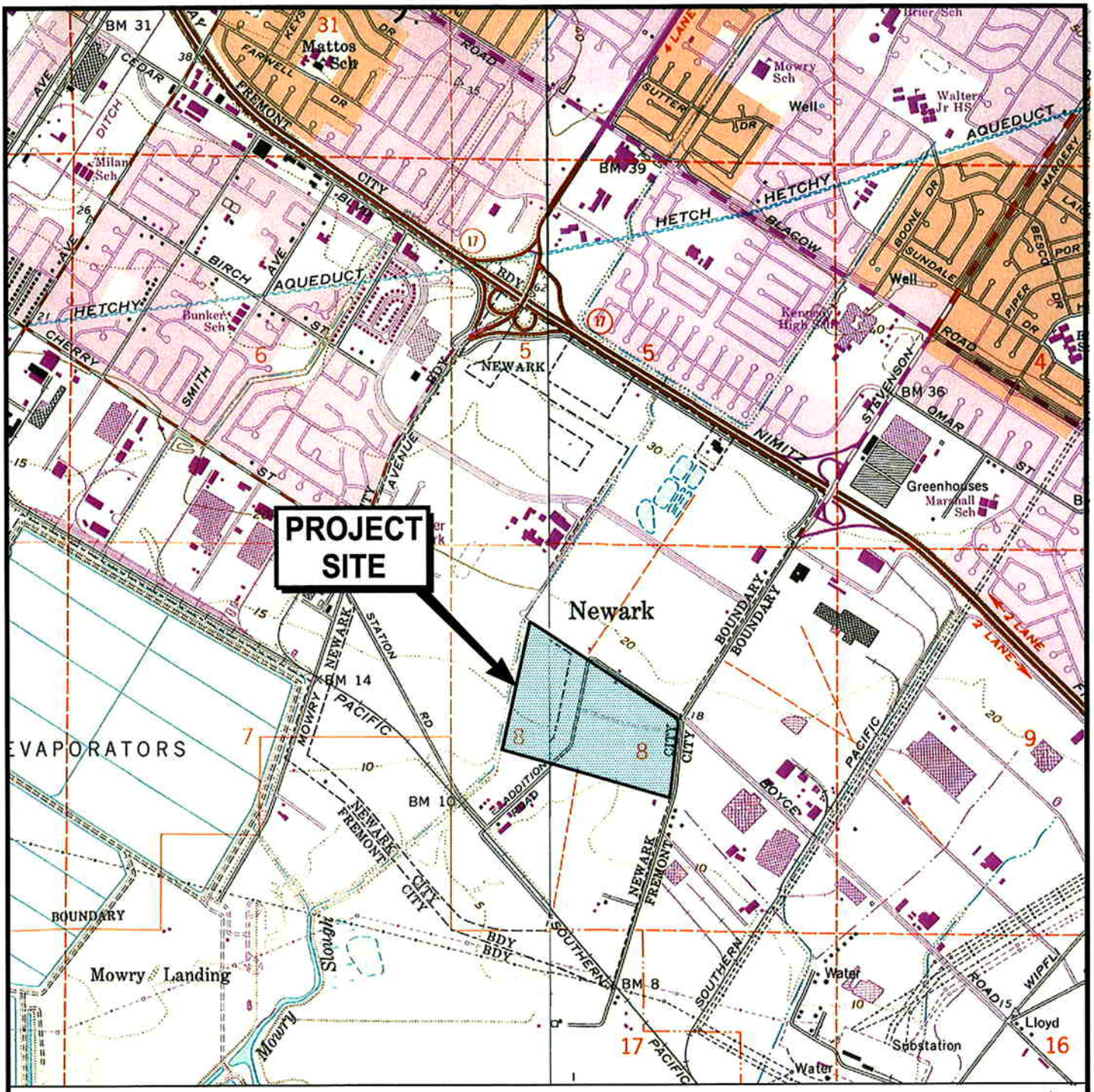
Notes:
Analysis of organochlorine pesticides by U.S. EPA Test Method 8081A
µg/kg - micrograms per kilogram
Analysis of lead and arsenic by U.S. EPA Test Method 6010B
mg/kg - milligrams per kilogram
ND(17) - Not detected at or above the indicated laboratory reporting limit.
Toxaphene data reviewed by chemist. Results over one half the reporting limit were reported with J flags. Therefore, maximum toxaphene reporting limit is effectively 150 µg/kg.
C - Presence confirmed, but relative percent difference between instrument columns exceed 40%
J - Presence confirmed at concentration between one half the reporting limit and the reporting limit.
- Continuing calibration verification (CCV) drift outside limits; average CCV drift within limits per method requirements
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

Table 3
Summary of Laboratory Analytical Results - Discrete Samples
Organochlorine Pesticides in Soil
Sobrato Development Companies 80-Acre Property
Cherry Street at Stevenson Boulevard
Newark, California

Sample Identification	Sample Date	Sample Depth (feet bgs)	Heptachlor epoxide (µg/kg)	4,4',-DDT (µg/kg)	4,4',-DDD (µg/kg)	4,4',-DDE (µg/kg)	Endosulfan I (µg/kg)	Endosulfan Sulfate (µg/kg)	Endrin (µg/kg)	gamma-Chlordane (µg/kg)	alpha-Chlordane (µg/kg)	Toxaphene (µg/kg)	Composite Toxaphene (µg/kg)
CS-1A-0.5 b	6/1/2006	0.5 - 1.0	ND(8.4)	ND(16)	ND(16)	**150**	ND(8.4)	ND(16)	ND(16)	ND(8.4)	ND(8.4)	**430**	**410 J**
CS-1B-0.5 b	6/1/2006	0.5 - 1.0	ND(8.6)	**49 C**	ND(17)	**240**	ND(8.6)	ND(17)	**18**	ND(8.6)	ND(8.6)	**280 J**	
CS-1C-0.5 b	6/1/2006	0.5 - 1.0	ND(8.5)	**38 C**	ND(17)	**200**	ND(8.5)	ND(17)	ND(17)	ND(8.5)	ND(8.5)	**440**	
CS-2A-0.5 b	6/1/2006	0.5 - 1.0	ND(8.5)	**54 C**	ND(17)	**180**	ND(8.5)	ND(17)	**24**	ND(8.5)	ND(8.5)	**1,000**	**430**
CS-2B-0.5 b	6/1/2006	0.5 - 1.0	ND(8.5)	**46 C**	ND(17)	**230**	ND(8.5)	ND(17)	ND(17)	ND(8.5)	ND(8.5)	**450**	
CS-2C-0.5 b	6/1/2006	0.5 - 1.0	ND(8.5)	**79 C**	**26 #**	**340**	ND(8.5)	ND(17)	**33**	ND(8.5)	ND(8.5)	**770**	
CS-3A-0.5 b	6/1/2006	0.5 - 1.0	ND(8.6)	**64 C**	ND(17)	**200**	ND(8.6)	ND(17)	**37**	ND(8.6)	ND(8.6)	**1,100**	**960**
CS-3B-0.5 b	6/1/2006	0.5 - 1.0	ND(8.4)	**84**	**36 C #**	**330**	ND(8.4)	**22 C**	**39 #**	ND(8.4)	ND(8.4)	**930**	
CS-3C-0.5 b	6/1/2006	0.5 - 1.0	ND(8.6)	**59 C**	ND(17)	**250**	ND(8.6)	ND(17)	**18**	ND(8.6)	ND(8.6)	**550**	
CS-4A-0.5 b	6/1/2006	0.5 - 1.0	ND(8.6)	**49 C**	ND(17)	**200**	ND(8.6)	ND(17)	**20**	ND(8.6)	ND(8.6)	**730**	**450 J**
CS-4B-0.5 b	6/1/2006	0.5 - 1.0	ND(8.5)	**53 C**	ND(17)	**270**	ND(8.5)	ND(17)	**18**	ND(8.5)	ND(8.5)	**470**	
CS-4C-0.5 b	6/1/2006	0.5 - 1.0	ND(8.5)	**68 C**	ND(17)	**280**	ND(8.5)	ND(17)	**25**	ND(8.5)	ND(8.5)	ND(300)	
CS-5A-0.5 b	6/1/2006	0.5 - 1.0	ND(8.6)	ND(17)	ND(17)	**270**	ND(8.6)	ND(17)	**29**	ND(8.6)	ND(8.6)	**740**	**490**
CS-5B-0.5 b	6/1/2006	0.5 - 1.0	ND(8.5)	**76 C**	ND(17)	**220**	ND(8.5)	**17 C**	**23 #**	ND(8.5)	ND(8.5)	**890**	
CS-5C-0.5 b	6/1/2006	0.5 - 1.0	ND(8.5)	**31 C**	ND(17)	**68**	ND(8.5)	ND(17)	ND(17)	ND(8.5)	ND(8.5)	**490**	
CS-6A-0.5 b	6/1/2006	0.5 - 1.0	ND(8.6)	ND(17)	ND(17)	ND(17)	ND(8.6)	ND(17)	ND(17)	ND(8.6)	ND(8.6)	**270 J**	**330**
CS-6B-0.5 b	6/1/2006	0.5 - 1.0	ND(8.6)	**19 C**	ND(17)	**35**	ND(8.6)	ND(17)	ND(17)	ND(8.6)	ND(8.6)	**530**	
CS-6C-0.5 b	6/1/2006	0.5 - 1.0	ND(8.5)	**22 C**	ND(17)	**40**	ND(8.5)	ND(17)	ND(17)	ND(8.5)	ND(8.5)	**430**	
CS-7A-0.5 b	6/1/2006	0.5 - 1.0	ND(8.4)	ND(16)	ND(16)	ND(16)	ND(8.4)	ND(16)	ND(16)	ND(8.4)	ND(8.4)	**290 J**	**420**
CS-7B-0.5 b	6/1/2006	0.5 - 1.0	ND(8.6)	ND(17)	ND(17)	**65**	ND(8.6)	ND(17)	ND(17)	ND(8.6)	ND(8.6)	**450**	
CS-7C-0.5 b	6/1/2006	0.5 - 1.0	ND(8.6)	ND(17)	ND(17)	**49**	ND(8.6)	ND(17)	ND(17)	ND(8.6)	ND(8.6)	**390**	
CS-13A-0.5 b	6/1/2006	0.5 - 1.0	ND(8.4)	**79 C**	**41 C**	**410**	ND(8.4)	ND(16)	**39**	ND(8.4)	ND(8.4)	**920**	**340**
CS-13B-0.5 b	6/1/2006	0.5 - 1.0	ND(8.5)	ND(17)	ND(17)	ND(17)	ND(8.5)	ND(17)	ND(17)	ND(8.5)	ND(8.5)	ND(300)	
CS-13C-0.5 b	6/1/2006	0.5 - 1.0	ND(8.6)	**44**	ND(17)	**81**	ND(8.6)	ND(17)	ND(17)	ND(8.6)	ND(8.6)	ND(300)	
CS-1A-1.5 b	6/1/2006	1.5 - 2.0	ND(8.6)	ND(17)	ND(17)	ND(17)	ND(8.6)	ND(17)	ND(17)	ND(8.6)	ND(8.6)	ND(300)	N/A
CS-2C-1.5 b	6/1/2006	1.5 - 2.0	ND(8.5)	ND(16)	ND(16)	ND(16)	ND(8.5)	ND(16)	ND(16)	ND(8.5)	ND(8.5)	ND(300)	N/A
CS-3B-1.5 b	6/1/2006	1.5 - 2.0	ND(8.6)	ND(17)	ND(17)	ND(17)	ND(8.6)	ND(17)	ND(17)	ND(8.6)	ND(8.6)	ND(300)	N/A
CS-4C-1.5 b	6/1/2006	1.5 - 2.0	ND(8.6)	ND(17)	ND(17)	ND(17)	ND(8.6)	ND(17)	ND(17)	ND(8.6)	ND(8.6)	ND(300)	N/A
CS-5B-1.5 b	6/1/2006	1.5 - 2.0	ND(8.5)	ND(17)	ND(17)	ND(17)	ND(8.5)	ND(17)	ND(17)	ND(8.5)	ND(8.5)	ND(300)	N/A
CS-6A-1.5 b	6/1/2006	1.5 - 2.0	ND(8.6)	ND(17)	ND(17)	ND(17)	ND(8.6)	ND(17)	ND(17)	ND(8.6)	ND(8.6)	ND(300)	N/A
CS-7B-1.5 b	6/1/2006	1.5 - 2.0	ND(8.6)	ND(17)	ND(17)	ND(17)	ND(8.6)	ND(17)	ND(17)	ND(8.6)	ND(8.6)	ND(300)	N/A
CS-13C-1.5 b	6/1/2006	1.5 - 2.0	ND(8.6)	ND(17)	ND(17)	ND(17)	ND(8.6)	ND(17)	ND(17)	ND(8.6)	ND(8.6)	ND(300)	N/A
CS-17A	6/1/2006	0.5 - 1.0	ND(8.5)	ND(17)	ND(17)	**350**	ND(8.5)	ND(17)	ND(17)	ND(8.5)	ND(8.5)	ND(300)	ND(300)
CS-17B	6/1/2006	0.5 - 1.0	ND(8.6)	ND(17)	ND(17)	**260**	ND(8.6)	ND(17)	ND(17)	ND(8.6)	ND(8.6)	ND(300)	
CS-17C	6/1/2006	0.5 - 1.0	ND(8.5)	ND(17)	ND(17)	**280**	ND(8.5)	ND(17)	ND(17)	ND(8.5)	ND(8.5)	ND(300)	
EPA Region 9 PRGs			**53**	**1,700**	**2,400**	**1,700**	**370,000**	None	**18,000**	**1,600**	**1,600**	**440**	**440**
DTSC CHHSLs			None	**1,600**	**2,300**	**1,600**	None	None	**21,000**	**430**	**430**	**460**	**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.
Toxaphene data reviewed by chemist. Results over one half the reporting limit were reported with J flags. Therefore, maximum toxaphene reporting limit is effectively 150 µg/kg.
b - Sample analyzed outside of holding time
C - Presence confirmed, but relative percent difference between instrument columns exceed 40%
J - Presence confirmed at concentration between one half the reporting limit and the reporting limit.
- Continuing calibration verification (CCV) drift outside limits; average CCV drift within limits per method requirements
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
Shaded results indicate discrete sample concentration exceeded the respective PRG and/or CHHSL.
N/A - Not analyzed

ILLUSTRATIONS



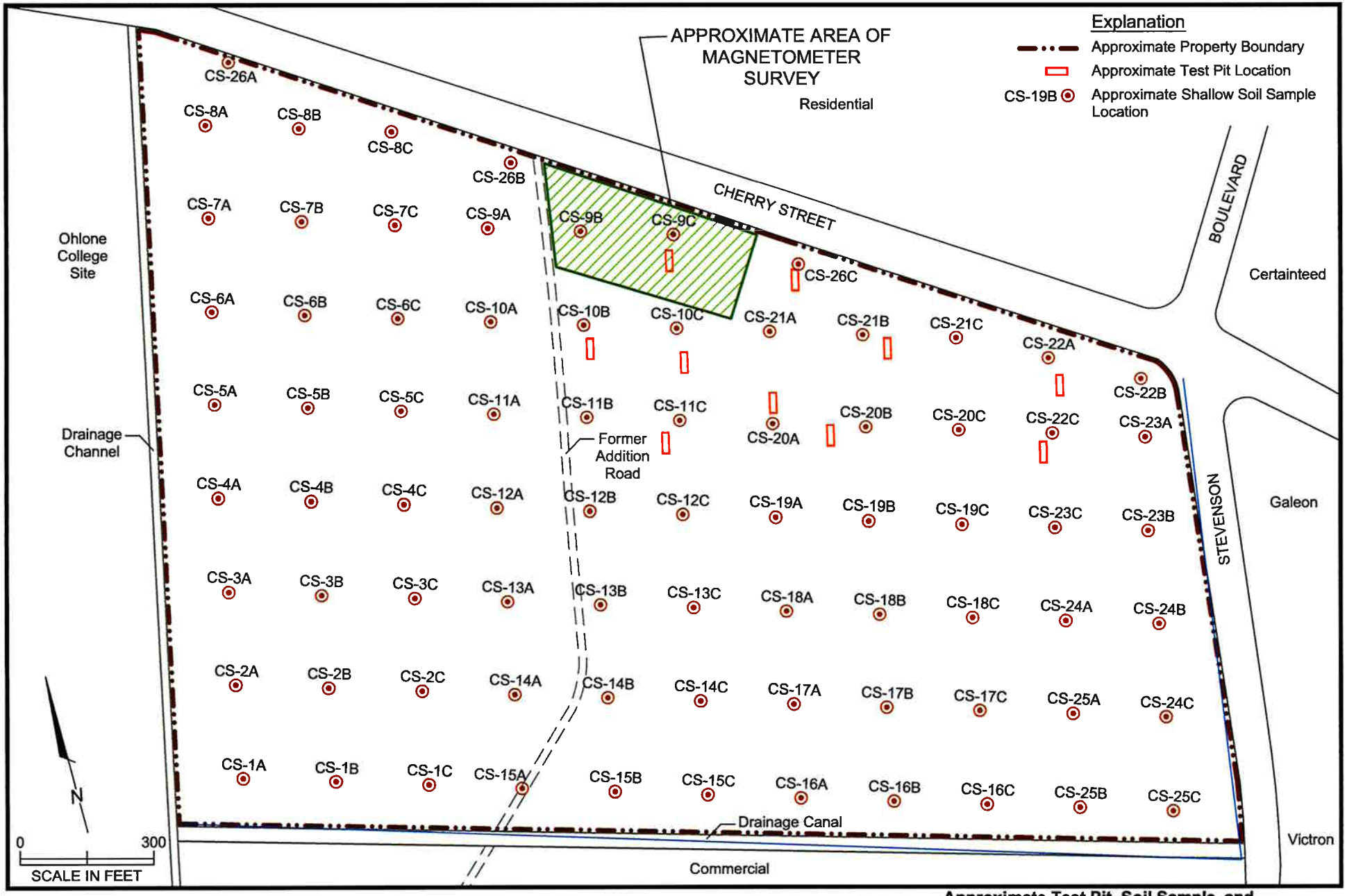
U.S.G.S. Topo Map - Niles, California, 7.5-minute quadrangle.1961 photorevised 1980
U.S.G.S. Topo Map - Newark, California, 7.5-minute quadrangle.1959 photorevised 1980

PES Environmental, Inc.
Engineering & Environmental Services

Site Location Map
80-Acre Sobrato Site
Stevenson Boulevard and Cherry Street
Newark, California

PLATE
1

126.054.01.002	126-05401002_0606	WFF	8/06
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

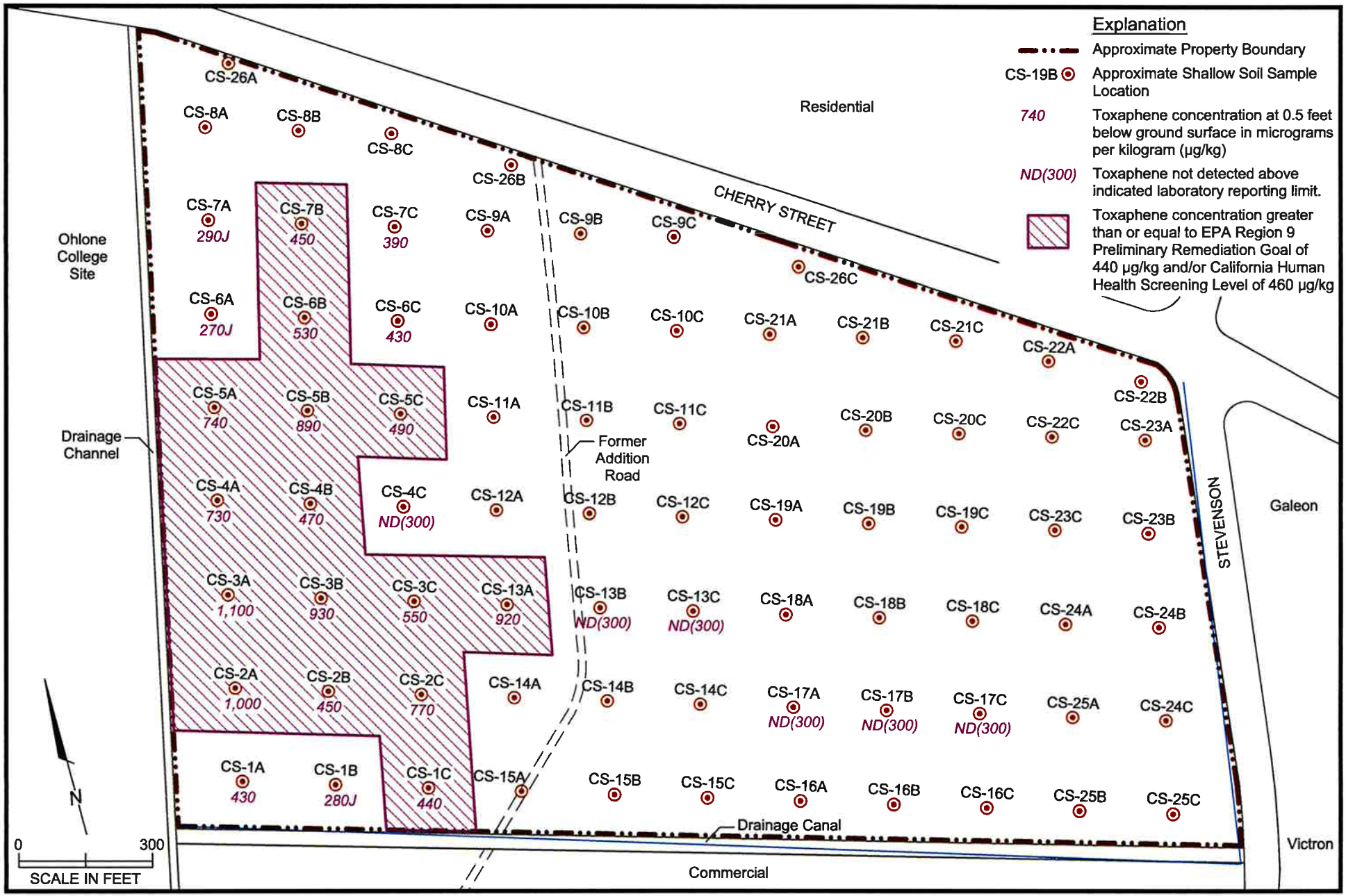


PES Environmental, Inc.
Engineering & Environmental Services

Approximate Test Pit, Soil Sample, and Magnetometer Survey Locations
80-Acre Sobrato Site
Stevenson Boulevard and Cherry Street
Newark, California

PLATE
2

126.054.01.002	126-05401002_0606	*WFF*	8/06
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Toxaphene in Discrete Soil Samples
80-Acre Sobrato Site
Stevenson Boulevard and Cherry Street
Newark, California

PLATE
3

126.054.01.002	126-05401002_0606	WFF	8/06
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: 26-JUN-06
Lab Job Number: 187191
Project ID: STANDARD
Location: 77 Acre Site, Newark

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: Lisa Brooker
Project Manager

Reviewed by:
Operations Manager

This package may be reproduced only in its entirety.

NELAP # 01107CA

8/14/06 LB

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**187191**
Client:	**PES Environmental, Inc.**
Project:	**126.054.01.002**
Location:	**77 Acre Site, Newark**
Request Date:	**06/02/06**
Samples Received:	**06/01/06**

This hardcopy data package contains sample and QC results for twenty three three-point soil composites, requested for the above referenced project on 06/02/06. The samples were received cold and intact. The pesticide runs were reprocessed to the MDL on July 14, 2006.

Pesticides (EPA 8081A):
Low recovery was observed for 4,4'-DDT in the MS of CS-2-COMP (lab # 187191-097); the LCS was within limits. High recoveries were observed for dieldrin and endrin in the MSD of CS-2-COMP (lab # 187191-097); the LCS was within limits. High RPD was observed for a number of analytes in the MS/MSD of CS-2-COMP (lab # 187191-097). 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.

PES Environmental, Inc.
Engineering & Environmental Services

187191

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126.054.01.002
NAME / LOCATION: 77 Acre Site, Newark
PROJECT MANAGER: AL

SAMPLERS: AN, MR & CJB
RECORDER: CJB

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)	8081 Pesticides	As 6010B	Pb 6010B	8151A Herbicides
06	06	01	1522	CS-6A-0.5			X		1					0.5									X	X	X	
			1527	CS-5A-0.5			X		1					0.5									X	X	X	
			1530	CS-4A-0.5			X		1					0.5									X	X	X	
			1532	CS-3A-0.5			X		1					0.5				AD					X	X	X	X
			1536	CS-2A-0.5			X		1					0.5									X	X	X	
			1530	CS-1A-0.5			X		1					0.5									X	X	X	
			1535	CS-1A-1.5			X		1					1.5	HOLD								X	X	X	

NOTES

Turn Around Time: Standard
3 pt. Composite analyses, per Sample ID.

Received ☑ Cool ☐ Ambient ☑ Intact

Pg 1 of 6

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
	[signature]	6-7-06	1230
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

187191

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126.054.01.002
NAME / LOCATION: 77 Acre Site, Newark
PROJECT MANAGER: A. Loomis

SAMPLERS: AN, MR, & CJB (PES)

RECORDER: CJB

DATE YR	DATE MO	DATE 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)	SDS1 Pesticides	As, Cd, Cr, Pb	SDS1 Herbicides	
06	06	01	1445	CS-3B-1.5			X		1					1.5	HOLD								X	X	X	X
			1447	CS-4B-0.5			X		1					0.5									X	X	X	
			1450	CS-5B-0.5			X		1					0.5									X	X	X	
			1452	CS-5B-1.5			X		1					1.5	HOLD											
			1457	CS-6B-0.5			X		1					0.5									X	X	X	
			1500	CS-7B-0.5			X		1					0.5									X	X	X	X
			1504	CS-7B-0.5 (*)			X		1					1.5	HOLD											
			1507	CS-8B-0.5			X		1					0.5									X	X	X	
			1500	CS-26A-0.5			X		1					0.5									X	X	X	
			1505	CS-8A-0.5			X		1					0.5									X	X	X	
			1513	CS-8A-1.5			X		1					1.5	HOLD											
			1517	CS-7A-0.5			X		1					0.5									X	X	X	X

NOTES

Turn Around Time: Standard TAT
3 pt Composite, per sample 1.0
(*) ID on label = CS-7B-1.5 JMW 6-2-06

Received: ☑ On Ice ☐ Ambient ☑ Intact

Pg 2 of 8

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
	Paul Duggan	6-1-06	1730
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

187191

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126.054.01.002
NAME / LOCATION: 77 Clover Site, Newark
PROJECT MANAGER: AL

SAMPLERS: AN, MR, & CJB
RECORDER: SJB

	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)	8081 Pesticides	As 6010B	Pb 6010B	8151A Herbicides	
20	06	06	01	1402	CS-7C-0.5			X		1					0.5								X	X	X	X		-92
21				1405	CS-6C-0.5			X		1					0.5								X	X	X			-93
22				1408	CS-5C-0.5			X		1					0.5								X	X	X			-94
23				1410	CS-4C-0.5			X		1					0.5								X	X	X			-95
24				1413	CS-4C-1.5			X		1					1.5	HOLD												
25				1420	CS-3C-0.5			X		1					0.5								X	X	X	X		-96
26				1422	CS-2C-0.5			X		1					0.5								X	X	X			-97
27				1425	CS-2C-1.5			X		1					1.5	HOLD												
28				1435	CS-1C-0.5			X		1					0.5								X	X	X			-98
29				1437	CS-1B-0.5			X		1					0.5								X	X	X			-98
30				1439	CS-2B-0.5			X		1					0.5								X	X	X			-97
31				1442	CS-3B-0.5			X		1					0.5								X	X	X	X		-96

NOTES

Turn Around Time: Standard
3 pt. Composite analyses, per sample ID

Received ☑ On ice ☑ Cool ☐ Ambient ☑ Intact

Pg 3 of 8

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
	Paul Ongsam	6-1-06	1730
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

187191

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126.054.01-002
NAME / LOCATION: 77 Acre, Newark
PROJECT MANAGER: AL

SAMPLERS: AN, MR, CJB
RECORDER: CJB

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)	8081 Pesticides	As 6010B	Pb 6010B	8151A Herbicides	
06	06	01	1320	CS-15A-0.5			X		1					0.5									X	X	X	X	
			1325	CS-15A-1.5			X		1					1.5	HOLD												
			1327	CS-14A-0.5			X		1					0.5									X	X	X		
			1329	CS-13A-0.5			X		1					0.5									X	X	X		
			1334	CS-12A-0.5			X		1					0.5									X	X	X		
			1337	CS-11A-0.5			X		1					0.5									X	X	X	X	
			1340	CS-11A-1.5			X		1					1.5	HOLD												
			1345	CS-10A-0.5			X		1					0.5									X	X	X		
			1348	CS-9A-0.5			X		1					0.5									X	X	X		
			1351	CS-9A-1.5			X		1					1.5	HOLD												
			1355	CS-26B-0.5			X		1					0.5									X	X	X		
			1400	CS-8C-0.5			X		1					0.5									X	X	X		

NOTES

Turn Around Time: Standard
3 pt. Composite analyses, per sample ID

Received ☑ On Ice ☑ Ambient ☑ Intact

Pg 4 of 8

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE 6-1-06	TIME 1730
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

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126.054.01.002
NAME / LOCATION: 77 Acres, Newark
PROJECT MANAGER: AL

SAMPLERS: AN, MR, CJB (PES)
RECORDER: CJB

	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)	SO4 Nitrate	As 6010B	Pb 6010B	8151A Herbicides	
14	06	06	01	1159	CS-10C-1.5			X		1					1.5	HOLD												
15				1155	CS-10C-0.5			X		1					0.5													
16				1202	CS-9C-0.5			X		1					0.5								X	X	X			-107
17				1206	CS-9B-0.5			X		1					0.5								X	X	X			-108
18				1209	CS-10B-0.5			X		1					0.5								X	X	X			-106
19				1212	CS-11B-0.5			X		1					0.5								X	X	X			-107
20				1215	CS-12B-0.5			X		1					0.5								X	X	X	X		-106
21				1218	CS-12B-1.5			X		1					0.5								X	X	X			-105
22				1225	CS-13B-0.5			X		1					1.5	HOLD												
23				1230	CS-15B-0.5			X		1					0.5								X	X	X			-104
24				1235	CS-14B-0.5			X		1					0.5								X	X	X	X		-103
25				1235	CS-14B-1.5			X		1					1.5	HOLD							X	X	X			-103

NOTES

Turn Around Time: Standard
3 pt. composites analyses, per Sample ID

Received ☑ On ice ☑
☑ Ambient ☑ Intact

Pg 5 of 8

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	01/06	17:30
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)		

METHOD OF SHIPMENT:

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

PES Environmental, Inc.
Engineering & Environmental Services

187191

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126.054.01.002
NAME / LOCATION: 77 Acres, Newark
PROJECT MANAGER: AL

SAMPLERS: AN, MR, CJB
RECORDER: CJB

DATE YR	DATE MO	DATE DY	DATE 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)	8081 Pesticides	As, Cd, Cr, Pb	Pb, Cd, Cr	8151A Herbicides	
06	06	06	1110	CS-20A-1.5			X		1					1.5	HOLD												
			1115	CS-19A-0.5			X		1					0.5								X	X	X			109
			1118	CS-18A-0.5			X		1					0.5								X	X	X	X		110
			1119	CS-17A-0.5			X		1					0.5								X	X	X			111
			1124	CS-16A-0.5			X		1					0.5								X	X	X			112
			1126	CS-16A-1.5			X		1					1.5	HOLD												
			1130	CS-15C-0.5			X		1					0.5								X	X	X	X		102
			1135	CS-14C-0.5			X		1					0.5								X	X	X			103
			1138	CS-13C-0.5			X		1					0.5								X	X	X			104
			1140	CS-13C-1.5			X		1					1.5	HOLD												
			1143	CS-12C-0.5			X		1					0.5								X	X	X			105
			1150	CS-11C-0.5			X		1					0.5								X	X	X	X		106

NOTES

Turn Around Time: Standard
5 pt. composites analyses, per sample ID

Received: ☑ On Ice ☐ Ambient ☑ Intact

Pg 6 of 8

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE 6/06	TIME 17:30
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

187191

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis + Tompkins
JOB NUMBER: 126.054.01.002
NAME / LOCATION: 77 acres, Newark
PROJECT MANAGER: Ann Loomis

SAMPLERS: AN, MR, CJB (PES)

RECORDER: CJB

	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)	8081 Pesticides	As 6010B	Pb 6010B	8151A Herbicides		
08	060601			1018	CS-16C-0.5			X		1					0.5								X	X	X				113
09				1023	CS-16B-0.5			X		1					0.5								X	X	X				112
10				1030	CS-17B-0.5			X		1					0.5								X	X	X				111
11				1035	CS-18B-0.5			X		1					0.5								X	X	X	X			110
12				1040	CS-18B-1.5			X		1					1.5	HOLD							X	X	X	X			
13				1042	CS-19B-0.5			X		1					0.5								X	X	X				109
14				1045	CS-20B-0.5			X		1					0.5								X	X	X				113
15				1055	CS-21B-0.5			X		1					0.5								X	X	X	X			114
16				1100	CS-26C-0.5			X		1					0.5								X	X	X				121
17				1103	CS-26C-1.5			X		1					1.5	HOLD							X	X	X				
18				1105	CS-21A-0.5			X		1					0.5								X	X	X	X			114
19				1108	CS-20A-0.5			X		1					0.5								X	X	X				113

NOTES

Turn Around Time: Standard TAT

3 pt. composite sample per sample ID

Received: ☑ On Ice ☑ Cool ☐ Ambient ☑ Intact

Pg 7 of 8

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) Andrew Nolan	RECEIVED BY: (Signature) Carl Ingram	DATE 6-1-06	TIME 1730
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

187191

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126.054.01.002
NAME / LOCATION: 77 Acres, Newark
PROJECT MANAGER: AL

SAMPLERS: AN, MR, CJB

RECORDER: CJB

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)	8081 pesticides	As 6010B	Pb 6010B	8151A Herbicides	
06	06	01	0925	CS-22A-0.5			X		1					0.5									X	X	X		115
			0930	CS-22B-0.5			X		1					0.5									X	X	X		115
			0940	CS-22C-0.5			X		1					0.5									X	X	X		115
			0945	CS-22C-1.5			X		1					1.5	HOLD												
			0948	CS-21C-0.5			X		1					0.5									X	X	X	X	114
			0950	CS-21C-1.5			X		1					1.5	HOLD												
			0954	CS-20C-0.5			X		1					0.5									X	X	X		113
			0958	CS-19C-0.5			X		1					0.5									X	X	X		109
			1000	CS-19C-1.5			X		1					1.5	HOLD												
			1005	CS-18C-0.5			X		1					0.5									X	X	X	X	110
			1010	CS-17C-0.5			X		1					0.5									X	X	X		111
			1013	CS-17C-1.5			X		1					1.5	HOLD												
06	06	01	1525	CS-6A-1.5																							

ZAW 6-2-06

NOTES

Turn Around Time: Standard
3 pt. composite analyses, per sample ID's

Received: ☐ On Ice ☐ Ambient ☑ Intact

pg 8 of 8

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	6/1/06	1130
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)		

METHOD OF SHIPMENT:

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-6-COMP	Batch#:	114174
Lab ID:	187191-093	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/06/06
Basis:	as received	Analyzed:	06/09/06
Diln Fac:	1.000		

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	45	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	14 C	3.3
4,4'-DDT	10 C	3.3
alpha-Chlordane	2.3 C	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	330	60

Surrogate	%REC	Limits
TCMX	85	41-123
Decachlorobiphenyl	77	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-5-COMP	Batch#:	114174
Lab ID:	187191-094	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/06/06
Basis:	as received	Analyzed:	06/09/06
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	240	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	34 C	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	490	300

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

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-4-COMP	Batch#:	114174
Lab ID:	187191-095	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/06/06
Basis:	as received	Analyzed:	06/09/06
Diln Fac:	10.00		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	17
beta-BHC	ND	17
gamma-BHC	ND	17
delta-BHC	ND	17
Heptachlor	ND	17
Aldrin	ND	17
Heptachlor epoxide	ND	17
Endosulfan I	ND	17
Dieldrin	ND	33
4,4'-DDE	240	33
Endrin	ND	33
Endosulfan II	ND	33
Endosulfan sulfate	ND	33
4,4'-DDD	ND	33
Endrin aldehyde	ND	33
4,4'-DDT	34	33
alpha-Chlordane	ND	17
gamma-Chlordane	ND	17
Methoxychlor	ND	170
Toxaphene	450 J	610

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

J= Estimated value
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-3-COMP	Batch#:	114174
Lab ID:	187191-096	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/06/06
Basis:	as received	Analyzed:	06/09/06
Diln Fac:	10.00		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	17
beta-BHC	ND	17
gamma-BHC	ND	17
delta-BHC	ND	17
Heptachlor	ND	17
Aldrin	ND	17
Heptachlor epoxide	ND	17
Endosulfan I	ND	17
Dieldrin	ND	33
4,4'-DDE	350	33
Endrin	ND	33
Endosulfan II	ND	33
Endosulfan sulfate	ND	33
4,4'-DDD	ND	33
Endrin aldehyde	ND	33
4,4'-DDT	66 C	33
alpha-Chlordane	ND	17
gamma-Chlordane	ND	17
Methoxychlor	ND	170
Toxaphene	960	600

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

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-2-COMP	Batch#:	114203
Lab ID:	187191-097	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/09/06
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	250	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	34 C	17
alpha-Chlordane	ND	8.6
gamma-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	430	300

Surrogate	%REC	Limits
TCMX	90	41-123
Decachlorobiphenyl	64	45-140

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

10.3

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-1-COMP	Batch#:	114203
Lab ID:	187191-098	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/09/06
Diln Fac:	10.00		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	17
beta-BHC	ND	17
gamma-BHC	ND	17
delta-BHC	ND	17
Heptachlor	ND	17
Aldrin	ND	17
Heptachlor epoxide	ND	17
Endosulfan I	ND	17
Dieldrin	ND	33
4,4'-DDE	250	33
Endrin	ND	33
Endosulfan II	ND	33
Endosulfan sulfate	ND	33
4,4'-DDD	ND	33
Endrin aldehyde	ND	33
4,4'-DDT	ND	33
alpha-Chlordane	ND	17
gamma-Chlordane	ND	17
Methoxychlor	ND	170
Toxaphene	410 J	600

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

J= Estimated value
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-7-COMP	Batch#:	114203
Lab ID:	187191-099	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
Diln Fac:	1.000		

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	61	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	22 C	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	2.6 C	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	420	60

Surrogate	%REC	Limits
TCMX	75	41-123
Decachlorobiphenyl	56	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-8-COMP	Batch#:	114203
Lab ID:	187191-100	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	24	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	160 J	300

Surrogate	%REC	Limits
TCMX	78	41-123
Decachlorobiphenyl	64	45-140

J= Estimated value
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-26-COMP	Batch#:	114203
Lab ID:	187191-101	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	39 C	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND #	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	160 J	300

Surrogate	%REC	Limits
TCMX	92	41-123
Decachlorobiphenyl	87	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-15-COMP	Batch#:	114203
Lab ID:	187191-102	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	460 C	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	36 #	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	190 J	300

Surrogate	%REC	Limits
TCMX	84	41-123
Decachlorobiphenyl	90	45-140

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

15.4

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-14-COMP	Batch#:	114203
Lab ID:	187191-103	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	270 C	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	34 #	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	220 J	300

Surrogate	%REC	Limits
TCMX	90	41-123
Decachlorobiphenyl	86	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-13-COMP	Batch#:	114203
Lab ID:	187191-104	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	290	17
Endrin	22	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	23 #	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	340	300

Surrogate	%REC	Limits
TCMX	76	41-123
Decachlorobiphenyl	81	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-12-COMP	Batch#:	114203
Lab ID:	187191-105	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	140	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	26 #	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	220 J	300

Surrogate	%REC	Limits
TCMX	51	41-123
Decachlorobiphenyl	81	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-11-COMP	Batch#:	114203
Lab ID:	187191-106	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	56	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND #	17
alpha-Chlordane	ND	8.6
gamma-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	260 J	300

Surrogate	%REC	Limits
TCMX	94	41-123
Decachlorobiphenyl	96	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-10-COMP	Batch#:	114203
Lab ID:	187191-107	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	38	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND #	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	210 J	300

Surrogate	%REC	Limits
TCMX	86	41-123
Decachlorobiphenyl	86	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-9-COMP	Batch#:	114203
Lab ID:	187191-108	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	32	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND #	17
alpha-Chlordane	ND	8.6
gamma-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	220 J	300

Surrogate	%REC	Limits
TCMX	84	41-123
Decachlorobiphenyl	79	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-19-COMP	Batch#:	114203
Lab ID:	187191-109	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	ND	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND #	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	92	41-123
Decachlorobiphenyl	95	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-18-COMP	Batch#:	114203
Lab ID:	187191-110	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	420	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND #	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	92	41-123
Decachlorobiphenyl	94	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-17-COMP	Batch#:	114203
Lab ID:	187191-111	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND #	17
alpha-Chlordane	ND	8.6
gamma-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	83	41-123
Decachlorobiphenyl	81	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-16-COMP	Batch#:	114203
Lab ID:	187191-112	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	300	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND #	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	77	41-123
Decachlorobiphenyl	79	45-140

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

25.2

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-20-COMP	Batch#:	114203
Lab ID:	187191-113	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	ND	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND #	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	79	41-123
Decachlorobiphenyl	83	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-21-COMP	Batch#:	114203
Lab ID:	187191-114	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	ND	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND #	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

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

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

27.2

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-22-COMP	Batch#:	114203
Lab ID:	187191-115	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
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	18	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	ND #	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	80	41-123
Decachlorobiphenyl	74	45-140

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

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC342991	Batch#:	114174
Matrix:	Soil	Prepared:	06/06/06
Units:	ug/Kg	Analyzed:	06/08/06
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	93	41-123
Decachlorobiphenyl	105	45-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	ZZZZZZZZZZ	Batch#:	114174
MSS Lab ID:	187151-013	Sampled:	05/31/06
Matrix:	Soil	Received:	05/31/06
Units:	ug/Kg	Prepared:	06/06/06
Basis:	as received	Analyzed:	06/09/06
Diln Fac:	5.000		

Type: MS
Lab ID: QC342993

Cleanup Method: EPA 3620B

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<2.103	13.13	15.74	120	47-120
Heptachlor	<2.115	13.13	10.98	84	47-127
Aldrin	<2.212	13.13	7.769	59	46-120
Dieldrin	<4.896	26.26	16.43	63	48-125
Endrin	<4.469	26.26	18.37	70	49-130
4,4'-DDT	<3.828	26.26	20.42	78	31-145

Surrogate	%REC	Limits
TCMX	81	41-123
Decachlorobiphenyl	103	45-140

Type: MSD
Lab ID: QC342994

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.48	11.12	82	47-120	37	45
Heptachlor	13.48	11.92	88	47-127	6	43
Aldrin	13.48	9.827	73	46-120	21	42
Dieldrin	26.96	20.81	77	48-125	21	41
Endrin	26.96	22.36	83	49-130	17	47
4,4'-DDT	26.96	28.42	105	31-145	30	52

Surrogate	%REC	Limits
TCMX	102	41-123
Decachlorobiphenyl	116	45-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC343094	Batch#:	114203
Matrix:	Soil	Prepared:	06/07/06
Units:	ug/Kg	Analyzed:	06/08/06
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	91	41-123
Decachlorobiphenyl	89	45-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC343095	Batch#:	114203
Matrix:	Soil	Prepared:	06/07/06
Units:	ug/Kg	Analyzed:	06/08/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.25	11.41	86	42-124
Heptachlor	13.25	13.60	103	43-129
Aldrin	13.25	11.65	88	46-122
Dieldrin	26.49	23.17	87	49-130
Endrin	26.49	24.03	91	48-132
4,4'-DDT	26.49	23.73	90	45-142

Surrogate	%REC	Limits
TCMX	86	41-123
Decachlorobiphenyl	72	45-140

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.054.01.002	Analysis:	EPA 8081A
Field ID:	CS-2-COMP	Batch#:	114203
MSS Lab ID:	187191-097	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/10/06
Diln Fac:	5.000		

Type: MS Cleanup Method: EPA 3620B
Lab ID: QC343096

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<0.9966	13.47	10.02	74	47-120
Heptachlor	<1.371	13.47	8.463	63	47-127
Aldrin	<1.345	13.47	9.525	71	46-120
Dieldrin	5.447	26.95	22.77	64	48-125
Endrin	14.84	26.95	29.60	55	49-130
4,4'-DDT	33.95	26.95	32.47	-6 *	31-145

Surrogate	%REC	Limits
TCMX	67	41-123
Decachlorobiphenyl	63	45-140

Type: MSD Cleanup Method: EPA 3620B
Lab ID: QC343097

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.52	15.62	116	47-120	43	45
Heptachlor	13.52	14.31	106	47-127	51 *	43
Aldrin	13.52	15.64	116	46-120	48 *	42
Dieldrin	27.04	39.51	126 *	48-125	53 *	41
Endrin	27.04	51.42	135 *	49-130	54 *	47
4,4'-DDT	27.04	57.09	86	31-145	55 *	52

Surrogate	%REC	Limits
TCMX	109	41-123
Decachlorobiphenyl	103	45-140

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

Curtis & Tompkins, Ltd.

Arsenic

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	126.054.01.002	Analysis:	EPA 6010B
Analyte:	Arsenic	Diln Fac:	1.000
Matrix:	Soil	Sampled:	06/01/06
Units:	mg/Kg	Received:	06/01/06
Basis:	as received	Prepared:	06/06/06

Field ID	Type	Lab ID	Result	RL	Batch#	Analyzed
CS-6-COMP	SAMPLE	187191-093	5.2	0.25	114129	06/06/06
CS-5-COMP	SAMPLE	187191-094	5.8	0.25	114129	06/06/06
CS-4-COMP	SAMPLE	187191-095	5.6	0.25	114129	06/06/06
CS-3-COMP	SAMPLE	187191-096	5.8	0.25	114129	06/06/06
CS-2-COMP	SAMPLE	187191-097	6.2	0.25	114129	06/06/06
CS-1-COMP	SAMPLE	187191-098	5.4	0.25	114130	06/07/06
CS-7-COMP	SAMPLE	187191-099	4.5	0.25	114130	06/07/06
CS-8-COMP	SAMPLE	187191-100	5.2	0.25	114130	06/07/06
CS-26-COMP	SAMPLE	187191-101	5.4	0.25	114130	06/07/06
CS-15-COMP	SAMPLE	187191-102	4.0	0.25	114130	06/07/06
CS-14-COMP	SAMPLE	187191-103	5.0	0.25	114130	06/07/06
CS-13-COMP	SAMPLE	187191-104	6.0	0.25	114130	06/07/06
CS-12-COMP	SAMPLE	187191-105	4.0	0.25	114130	06/07/06
CS-11-COMP	SAMPLE	187191-106	3.9	0.25	114130	06/07/06
CS-10-COMP	SAMPLE	187191-107	4.4	0.25	114130	06/07/06
CS-9-COMP	SAMPLE	187191-108	4.5	0.25	114130	06/07/06
CS-19-COMP	SAMPLE	187191-109	3.9	0.25	114130	06/07/06
CS-18-COMP	SAMPLE	187191-110	4.3	0.25	114130	06/07/06
CS-17-COMP	SAMPLE	187191-111	3.9	0.25	114130	06/07/06
CS-16-COMP	SAMPLE	187191-112	2.2	0.25	114130	06/07/06
CS-20-COMP	SAMPLE	187191-113	3.5	0.25	114130	06/07/06
CS-21-COMP	SAMPLE	187191-114	3.1	0.25	114130	06/07/06
CS-22-COMP	SAMPLE	187191-115	5.0	0.25	114130	06/07/06
	BLANK	QC342804	ND	0.25	114129	06/06/06
	BLANK	QC342811	ND	0.25	114130	06/07/06

ND= Not Detected
RL= Reporting Limit

Batch QC Report

Arsenic

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	126.054.01.002	Analysis:	EPA 6010B
Analyte:	Arsenic	Basis:	as received
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Prepared:	06/06/06

Field ID	Type	MSS Lab ID	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Batch#	Sampled	Received	Analyzed
	BS		QC342805		50.00	52.13	104	80-120			114129			06/06/06
	BSD		QC342806		50.00	50.31	101	80-120	4	20	114129			06/06/06
ZZZZZZZZZZ	MS	187228-022	QC342807	2.720	46.73	51.44	104	74-120			114129	06/05/06	06/05/06	06/06/06
ZZZZZZZZZZ	MSD	187228-022	QC342808		47.62	49.75	99	74-120	5	20	114129	06/05/06	06/05/06	06/06/06
	BS		QC342812		50.00	50.30	101	80-120			114130			06/07/06
	BSD		QC342813		50.00	52.64	105	80-120	5	20	114130			06/07/06
CS-1-COMP	MS	187191-098	QC342814	5.449	41.67	48.15	102	74-120			114130	06/01/06	06/01/06	06/07/06
CS-1-COMP	MSD	187191-098	QC342815		32.26	38.31	102	74-120	1	20	114130	06/01/06	06/01/06	06/07/06

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins, Ltd.

Lead

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	126.054.01.002	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Matrix:	Soil	Sampled:	06/01/06
Units:	mg/Kg	Received:	06/01/06
Basis:	as received	Prepared:	06/06/06

Field ID	Type	Lab ID	Result	RL	Batch#	Analyzed
CS-6-COMP	SAMPLE	187191-093	11	0.15	114129	06/06/06
CS-5-COMP	SAMPLE	187191-094	12	0.15	114129	06/06/06
CS-4-COMP	SAMPLE	187191-095	11	0.15	114129	06/06/06
CS-3-COMP	SAMPLE	187191-096	11	0.15	114129	06/06/06
CS-2-COMP	SAMPLE	187191-097	8.9	0.15	114129	06/06/06
CS-1-COMP	SAMPLE	187191-098	9.1	0.15	114130	06/07/06
CS-7-COMP	SAMPLE	187191-099	11	0.15	114130	06/07/06
CS-8-COMP	SAMPLE	187191-100	8.7	0.15	114130	06/07/06
CS-26-COMP	SAMPLE	187191-101	8.4	0.15	114130	06/07/06
CS-15-COMP	SAMPLE	187191-102	8.9	0.15	114130	06/07/06
CS-14-COMP	SAMPLE	187191-103	9.8	0.15	114130	06/07/06
CS-13-COMP	SAMPLE	187191-104	7.8	0.15	114130	06/07/06
CS-12-COMP	SAMPLE	187191-105	22	0.15	114130	06/07/06
CS-11-COMP	SAMPLE	187191-106	9.0	0.15	114130	06/07/06
CS-10-COMP	SAMPLE	187191-107	8.8	0.15	114130	06/07/06
CS-9-COMP	SAMPLE	187191-108	11	0.15	114130	06/07/06
CS-19-COMP	SAMPLE	187191-109	11	0.15	114130	06/07/06
CS-18-COMP	SAMPLE	187191-110	9.2	0.15	114130	06/07/06
CS-17-COMP	SAMPLE	187191-111	8.8	0.15	114130	06/07/06
CS-16-COMP	SAMPLE	187191-112	7.2	0.15	114130	06/07/06
CS-20-COMP	SAMPLE	187191-113	7.2	0.15	114130	06/07/06
CS-21-COMP	SAMPLE	187191-114	8.0	0.15	114130	06/07/06
CS-22-COMP	SAMPLE	187191-115	18	0.15	114130	06/07/06
	BLANK	QC342804	ND	0.15	114129	06/06/06
	BLANK	QC342811	ND	0.15	114130	06/07/06

ND= Not Detected
RL= Reporting Limit

Batch QC Report

Lead

Lab #:	187191	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	126.054.01.002	Analysis:	EPA 6010B
Analyte:	Lead	Basis:	as received
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Prepared:	06/06/06

Field ID	Type	MSS Lab ID	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Batch#	Sampled	Received	Analyzed
	BS		QC342805		100.0	101.7	102	80-120			114129			06/06/06
	BSD		QC342806		100.0	102.0	102	80-120	0	20	114129			06/06/06
ZZZZZZZZZZ	MS	187228-022	QC342807	3.827	93.46	97.88	101	57-120			114129	06/05/06	06/05/06	06/06/06
ZZZZZZZZZZ	MSD	187228-022	QC342808		95.24	99.85	101	57-120	0	20	114129	06/05/06	06/05/06	06/06/06
	BS		QC342812		100.0	96.84	97	80-120			114130			06/07/06
	BSD		QC342813		100.0	100.5	100	80-120	4	20	114130			06/07/06
CS-1-COMP	MS	187191-098	QC342814	9.066	83.33	85.27	91	57-120			114130	06/01/06	06/01/06	06/07/06
CS-1-COMP	MSD	187191-098	QC342815		64.52	66.86	90	57-120	2	20	114130	06/01/06	06/01/06	06/07/06

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

July 03, 2006

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

Subject: **Calscience Work Order No.: 06-06-0192**
Client Reference: 187191

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/3/2006 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 any subcontracted analysis 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.

Case Narrative for 06-06-0192

Revised Report

The sample identifications have been revised per the attached e-mail correspondence.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX:(714) 894-7501

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Project: 187191

Date Received:	06/03/06
Work Order No:	06-06-0192
Preparation:	EPA 8151A
Method:	EPA 8151A
Units:	ug/kg

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
CS-3-COMP	06-06-0192-1	06/01/06	Solid	06/07/06	06/10/06	060607L02

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	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
CS-7-COMP	06-06-0192-2	06/01/06	Solid	06/07/06	06/10/06	060607L02

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	125	30-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
CS-15-COMP	06-06-0192-3	06/01/06	Solid	06/07/06	06/10/06	060607L02

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	114	30-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
CS-11-COMP	06-06-0192-4	06/01/06	Solid	06/07/06	06/10/06	060607L02

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	83	30-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Project: 187191

Date Received:	06/03/06
Work Order No:	06-06-0192
Preparation:	EPA 8151A
Method:	EPA 8151A
Units:	ug/kg

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
CS-18-COMP	**06-06-0192-5**	**06/01/06**	**Solid**	**06/07/06**	**06/10/06**	**060607L02**

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	87	30-130	

CS-21-COMP	**06-06-0192-6**	**06/01/06**	**Solid**	**06/07/06**	**06/10/06**	**060607L02**	

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	

Method Blank	**095-01-033-529**	**N/A**	**Solid**	**06/07/06**	**06/10/06**	**060607L02**	

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	128	30-130	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received:	06/03/06
Work Order No:	06-06-0192
Preparation:	EPA 8151A
Method:	EPA 8151A

Project 187191

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-06-0149-53	Solid	GC 0	06/07/06	06/10/06	060607S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	109	111	30-130	2	0-30	
2,4,5-T	127	128	30-130	1	0-30	
2,4-DB	124	128	30-130	3	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 06-06-0192
Preparation: EPA 8151A
Method: EPA 8151A

Project: 187191

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-033-529	Solid	GC 0	06/07/06	06/10/06	060607L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	127	120	30-130	5	0-30	
2,4,5-T	125	125	30-130	0	0-30	
2,4-DB	127	126	30-130	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-06-0192

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.

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

Project Number: 187191
Site: 77 Acre Site, Newark

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
COMPOSITE 3 (1)	06/01 15:32 -004,-025,-031	Soil	8150	187191-096	comp
COMPOSITE 7 (2)	06/01 15:17 -013,-019,-020	Soil	8150	187191-099	comp
COMPOSITE 15 (3)	06/01 13:20 -032,-053,-062	Soil	8150	187191-102	comp
COMPOSITE 11 (4)	06/01 13:37 -037,-049,-067	Soil	8150	187191-106	comp
COMPOSITE 18 (5)	06/01 11:18 -058,-071,-089	Soil	8150	187191-110	comp
COMPOSITE 21 (6)	06/01 11:05 -075,-078,-084	Soil	8150	187191-114	comp

Notes:	Relinquished By:	Received By:
	Date/Time: 6.2.6 1414	Date/Time:

Relinquished: CW overnight Received: 6/3/06 @ 10:20

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 06 - 0192

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Curtis & Tompkins **DATE:** 6/13/06

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ____ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.
- ____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- 4.6 °C IR thermometer.
- ____ Ambient temperature.

Initial: TC

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Applicable (N/A): ✓

Initial: TC

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			
VOA vial(s) free of headspace			✓
Tedlar bag(s) free of condensation			✓

Initial: TC

COMMENTS:

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: 26-JUN-06
Lab Job Number: 187157
Project ID: STANDARD
Location: 77 Acre Site, Newark

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:	**187157**
Client:	**PES Environmental, Inc.**
Location:	**77 Acre Site, Newark**
Request Date:	**05/31/06**
Samples Received:	**05/31/06**

This hardcopy data package contains sample and QC results for three three-point soil composites, requested for the above referenced project on 05/31/06. The samples were received cold and intact.

Pesticides (EPA 8081A):
No 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.

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: 126-054-01-002
NAME / LOCATION: 77 acre site, Newark
PROJECT MANAGER: Ann Loomis

SAMPLERS: Andrew Nolan, Miguel Rizo } PES
RECORDER: ADN

	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)	BOBI Pesticides	As 6010B	Pb 6010B	(8151A Herbicides for every 1 of 8)	
1	06	05	31	1250	CS23A-0.5			X		1					0.5													
2				1130	CS23B-0.5										0.5									X	X	X	X	per AN 6/1/06 LB
3				1430	CS23C-0.5										0.5													
4				1130	CS23B-1.5										1.5	HOLD												
5				1545	CS24A-0.5										0.5													
6				1120	CS24B-0.5										0.5									X	X	X		
7				1100	CS24C-0.5										0.5													
8				1100	CS24C-1.5										1.5	HOLD												
9				1040	CS25A-0.5										0.5													
10				1015	CS25B-0.5										0.5									X	X	X	X	per AN 6/1/06 LB
11				1005	CS25C-0.5										0.5													
12				1015	CS25B-1.5										1.5	HOLD												

ANALYSIS REQUESTED

NOTES

Turn Around Time: Standard TAT

3-Pt. Composite analysis as indicated

3 CS23-Comp
4 CS24-Comp
5 CS25-Comp

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
Andrew Nolan	[signature]	5-31-06	1:55
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: Hand Deliver

REC'D intact; cold [signature]

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187157	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS23-COMP	Batch#:	114160
Lab ID:	187157-013	Sampled:	05/31/06
Matrix:	Soil	Received:	05/31/06
Units:	ug/Kg	Prepared:	06/06/06
Basis:	as received	Analyzed:	06/08/06
Diln Fac:	1.000		

leanup 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	4.1 C	1.7
Endosulfan I	2.0	1.7
Dieldrin	ND	3.3
4,4'-DDE	59 C	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	14 C	3.3
gamma-Chlordane	21	1.7
alpha-Chlordane	57 C	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	85	41-123
Decachlorobiphenyl	80	45-140

:= Presence confirmed, but RPD between columns exceeds 40%
)= Not Detected
.= Reporting Limit

6.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187157	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS24-COMP	Batch#:	114160
Lab ID:	187157-014	Sampled:	05/31/06
Matrix:	Soil	Received:	05/31/06
Units:	ug/Kg	Prepared:	06/06/06
Basis:	as received	Analyzed:	06/08/06
Diln Fac:	1.000		

leanup 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	110 C	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	15	3.3
gamma-Chlordane	ND	1.7
alpha-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	102	41-123
Decachlorobiphenyl	113	45-140

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

7.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187157	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS25-COMP	Batch#:	114160
Lab ID:	187157-015	Sampled:	05/31/06
Matrix:	Soil	Received:	05/31/06
Units:	ug/Kg	Prepared:	06/06/06
Basis:	as received	Analyzed:	06/08/06

leanup Method: EPA 3620B

Analyte	Result	RL	Diln Fac
alpha-BHC	ND	1.7	1.000
beta-BHC	ND	1.7	1.000
gamma-BHC	ND	1.7	1.000
delta-BHC	ND	1.7	1.000
Heptachlor	ND	1.7	1.000
Aldrin	ND	1.7	1.000
Heptachlor epoxide	ND	1.7	1.000
Endosulfan I	ND	1.7	1.000
Dieldrin	ND	3.3	1.000
4,4'-DDE	220 C	17	5.000
Endrin	ND	3.3	1.000
Endosulfan II	ND	3.3	1.000
Endosulfan sulfate	ND	3.3	1.000
4,4'-DDD	ND	3.3	1.000
Endrin aldehyde	ND	3.3	1.000
4,4'-DDT	4.0	3.3	1.000
gamma-Chlordane	ND	1.7	1.000
alpha-Chlordane	ND	1.7	1.000
Methoxychlor	ND	17	1.000
Toxaphene	ND	60	1.000

Surrogate	%REC	Limits	Diln Fac
TCMX	96	41-123	1.000
Decachlorobiphenyl	92	45-140	1.000

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

8.0

Curtis & Tompkins, Ltd.

atch QC Report

Organochlorine Pesticides

Lab #:	187157	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC342933	Batch#:	114160
Matrix:	Soil	Prepared:	06/06/06
Units:	ug/Kg	Analyzed:	06/07/06
Basis:	as received		

leanup 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
gamma-Chlordane	ND	1.7
alpha-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	61

Surrogate	%REC	Limits
TCMX	92	41-123
Decachlorobiphenyl	105	45-140

ID= Not Detected
L= Reporting Limit

9.0

Curtis & Tompkins, Ltd.

atch QC Report

Organochlorine Pesticides

Lab #:	187157	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC342934	Batch#:	114160
Matrix:	Soil	Prepared:	06/06/06
Units:	ug/Kg	Analyzed:	06/07/06
Basis:	as received		

leanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.45	11.68	87	42-124
Heptachlor	13.45	12.35	92	43-129
Aldrin	13.45	11.78	88	46-122
Dieldrin	26.89	25.39	94	49-130
Endrin	26.89	25.92	96	48-132
4,4'-DDT	26.89	29.79	111	45-142

Surrogate	%REC	Limits
TCMX	91	41-123
Decachlorobiphenyl	102	45-140

10.0

Curtis & Tompkins, Ltd.

Arsenic

Lab #:	187157	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Arsenic	Batch#:	114026
Matrix:	Soil	Sampled:	05/31/06
Units:	mg/Kg	Received:	05/31/06
Basis:	as received	Prepared:	06/01/06
Diln Fac:	1.000	Analyzed:	06/01/06

Field ID	Type	Lab ID	Result	RL
CS23-COMP	SAMPLE	187157-013	5.7	0.25
CS24-COMP	SAMPLE	187157-014	5.1	0.25
CS25-COMP	SAMPLE	187157-015	5.9	0.25
	BLANK	QC342375	ND	0.25

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Batch QC Report

Arsenic

Lab #:	187157	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Arsenic	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	114026
MSS Lab ID:	186996-016	Sampled:	05/23/06
Matrix:	Soil	Received:	05/23/06
Units:	mg/Kg	Prepared:	06/01/06
Basis:	as received	Analyzed:	06/01/06

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC342376		50.00	51.43	103	80-120		
BSD	QC342377		50.00	50.26	101	80-120	2	20
MS	QC342378	7.831	50.51	58.74	101	74-120		
MSD	QC342379		52.08	61.20	102	74-120	1	20

PD= Relative Percent Difference

3.0

Curtis & Tompkins, Ltd.

Lead

Lab #:	187157	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	114026
Matrix:	Soil	Sampled:	05/31/06
Units:	mg/Kg	Received:	05/31/06
Basis:	as received	Prepared:	06/01/06
Diln Fac:	1.000	Analyzed:	06/01/06

Field ID	Type	Lab ID	Result	RL
CS23-COMP	SAMPLE	187157-013	8.5	0.15
CS24-COMP	SAMPLE	187157-014	10	0.15
CS25-COMP	SAMPLE	187157-015	8.6	0.15
	BLANK	QC342375	ND	0.15

D= Not Detected
L= Reporting Limit

4.0

Curtis & Tompkins, Ltd.

Batch QC Report

Lead			
Lab #:	187157	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	114026
MSS Lab ID:	186996-016	Sampled:	05/23/06
Matrix:	Soil	Received:	05/23/06
Units:	mg/Kg	Prepared:	06/01/06
Basis:	as received	Analyzed:	06/01/06

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC342376		100.0	102.8	103	80-120		
BSD	QC342377		100.0	100.9	101	80-120	2	20
MS	QC342378	90.83	101.0	180.9	89	57-120		
MSD	QC342379		104.2	192.5	98	57-120	5	20

RPD= Relative Percent Difference

5.0

Calscience
Environmental
Laboratories, Inc.

June 15, 2006

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

Subject: **Calscience Work Order No.: 06-06-0094**
Client Reference: 187157

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/2/2006 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 any subcontracted analysis 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:	06/02/06
2323 Fifth Street		Work Order No:	06-06-0094
Berkeley, CA 94710-2407		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: 187157			Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
CS23-COMP	**06-06-0094-1**	**05/31/06**	**Solid**	**06/02/06**	**06/05/06**	**060602L04**

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	129	30-130	

CS25-COMP	**06-06-0094-2**	**05/31/06**	**Solid**	**06/02/06**	**06/05/06**	**060602L04**	

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	76	30-130	

Method Blank	**095-01-033-527**	**N/A**	**Solid**	**06/02/06**	**06/05/06**	**060602L04**	

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	94	30-130	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received:	06/02/06
Work Order No:	06-06-0094
Preparation:	EPA 8151A
Method:	EPA 8151A

Project 187157

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-06-0064-3	**Solid**	**GC 0**	**06/02/06**	**06/05/06**	**060602S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	61	58	30-130	6	0-30	
2,4,5-T	72	70	30-130	2	0-30	
2,4-DB	80	86	30-130	8	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	06-06-0094
Preparation:	EPA 8151A
Method:	EPA 8151A

Project: 187157

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-033-527	Solid	GC 0	06/02/06	06/05/06	060602L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	78	81	30-130	3	0-30	
2,4,5-T	92	94	30-130	2	0-30	
2,4-DB	116	115	30-130	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-06-0094

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.

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

0094

Project Number: 187157
Site: 77 Acre Site, Newark

Subcontract Laboratory:
Cal Science
7440 Lincoln Way
Garden Grove, CA 92641-1432
(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
CS23-COMP	05/31 14:30 comp-001,-002,-003	Soil	8150	187157-013	8151
CS25-COMP	05/31 10:40 comp-009-010,011	Soil	8150	187157-015	8151

Notes:	Relinquished By:	Received By:
	[signature]	[signature] CGL
	Date/Time: 6.1.6 1620	Date/Time: 6/2/06 0845

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 0 6 - 0 0 9 4

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CST

DATE: 6/2/06

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ____ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.
- ____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- 5.1 °C IR thermometer.
- ____ Ambient temperature.

Initial: JP

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Applicable (N/A): ✓

Initial: JP

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC		✓	
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: JP

COMMENTS:

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-JUL-06
Lab Job Number: 188065
Project ID: STANDARD
Location: 77 Acre Site, Newark

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:	**188065**
Client:	**PES Environmental, Inc.**
Location:	**77 Acre Site, Newark**
Request Date:	**07/13/06**
Samples Received:	**06/01/06**

This hardcopy data package contains sample and QC results for twenty soil samples, requested for the above referenced project on 07/13/06. The samples were received cold and intact.

Pesticides (EPA 8081A):

Low surrogate recovery was observed for TCMX in CS-7A-0.5 (lab # 188065-011); the corresponding decachlorobiphenyl surrogate recovery was within limits. Many samples were requested and prepared outside of hold time; affected data was qualified with "b". No other analytical problems were encountered.

PES Environmental, Inc.
Engineering & Environmental Services

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

CHAIN OF CUSTODY RECORD

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126.0547.01.002
NAME / LOCATION: 77 Acre Site, Alameda
PROJECT MANAGER: AL

SAMPLERS: AN, MR & CJB
RECORDER: CJB

188065

	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)	Suite Pesticides	As, Cd, Cr, Pb	8151A Herbicides	8081 Pesticides 7/12/06		
-001 -1	06	06	01	1522	CS-6A-0.5			X		1					0.5									X	X	X		X	
-002 -2				1527	CS-5A-0.5			X		1					0.5									X	X	X		X	
-3				1530	CS-4A-0.5			X		1					0.5									X	X	X			
-003 -4				1532	CS-3A-0.5			X		1					0.5				AD					X	X	X	X	X	
-004 -5				1536	CS-2A-0.5			X		1					0.5									X	X	X		X	
-6				1530	CS-1A-0.5			X		1					0.5									X	X	X			
-7				1535	CS-1A-1.5			X		1					1.5									X	X	X			

HOLD

-9 -9 -9 -9 -9 -9

NOTES

Turn Around Time: Standard
3 pt. Composite analyses, per Sample ID.

Received Cold Ambient Intact

Pg 1 of 6

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
	Paul Duncan	6-1-06	1130
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

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126.0054.01.004
NAME / LOCATION: 77 Acre Site, Alameda
PROJECT MANAGER: A. Lowenthal

SAMPLERS: AN, MR, & CJS (PES)
RECORDER: CJB

188065

	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)	8051 Pesticides	As 6010B	Pb 6010B	8151 Herbicides		8081 Pesticides 7/06	
-005 -8	06	06	01	1445	CS-3B-1.5			X		1					1.5	HOLD								X	X	X	X		X	
-9				1447	CS-4B-0.5			X		1					0.5									X	X	X				-4
-006 -10				1450	CS-5B-0.5			X		1					0.5									X	X	X			X	-2
-007 11				1452	CS-5B-1.5			X		1					1.5	HOLD													X	
-008 -12				1457	CS-6B-0.5			X		1					0.5									X	X	X			X	-9
-009 -13				1500	CS-7B-0.5			X		1					0.5									X	X	X	X		X	-9
-010 -14				1504	CS-7B-0.5 (*)			X		1					1.5	HOLD													X	
-15				1507	CS-8B-0.5			X		1					0.5									X	X	X				-19
-16				1500	CS-26A-0.5			X		1					0.5									X	X	X				-15
-17				1505	CS-8A-0.5			X		1					0.5									X	X	X				-18
-18				1513	CS-8A-1.5			X		1					1.5	HOLD														
011 -19				1517	CS-7A-0.5			X		1					0.5									X	X	X	X		X	-9

NOTES

Turn Around Time: Standard TAT
3 pt Composites, per sample I.D.
(*) ID on label = CS-7B-1.5 JLW 6-2-06

Received ☑ UB ☑ Ambient ☑ Intact

Pg 2 of 8

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE 6-1-06	TIME 1730
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

CHAIN OF CUSTODY RECORD

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

LABORATORY: [illegible]
JOB NUMBER: 126 054 C1.02
NAME / LOCATION: [illegible] Newark
PROJECT MANAGER: AL

SAMPLERS: AN MF AC JB
RECORDER: S JB

K88065

	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)	8081 Pesticides	As 6010B	Pb 6010B	8151A Herbicides	8081 Pesticides alpha		
-012 -20	06	06	01	1402	CS-7C-0.5			X		1					0.5									X	X	X	X	X		-2
-013 -21				1405	CS-6C-0.5			X		1					0.5									X	X	X		X		-9
-014 -22				1408	CS-5C-0.5			X		1					0.5									X	X	X		X		-9
-23				1410	CS-4C-0.5			X		1					0.5									X	X	X				-9
-24				1413	CS-4C-1.5			X		1					1.5	HOLD														
-015 -25				1420	CS-3C-0.5			X		1					0.5									X	X	X	X	X		-96
-016 -26				1422	CS-2C-0.5			X		1					0.5									X	X	X		X		-9
-017 -27				1425	CS-2C-1.5			X		1					1.5	HOLD												X		
-28				1435	CS-1C-0.5			X		1					0.5									X	X	X				-9
-29				1437	CS-1B-0.5			X		1					0.5									X	X	X				-9
-018 -30				1439	CS-2B-0.5			X		1					0.5									X	X	X		X		-9
-019 -31				1442	CS-3B-0.5			X		1					0.5									X	X	X	X	X		-96

NOTES

Turn Around Time: Standard
3 pt. Composite analyses, per sample ID

Received ☑ On Ice ☑ Intact
☐ Cool ☐ Ambient

Pg 3 of 8

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	6-1-06	1730
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

CHAIN OF CUSTODY RECORD

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

LABORATORY: [illegible] Templeton
JOB NUMBER: 126 054.01 x 2
NAME / LOCATION: 22 Quail Ridge Novato
PROJECT MANAGER: AL
SAMPLERS: AN, MR, CJB
RECORDER: CJB

	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)	8081 Pesticides	As 6010B	Pb 6010B	8151A Herbicides	8081 Pesticides TPH (DF)	
32	06	06	06	1324	CS-15A-0.5			X		1					0.5									X	X	X	X		
33				1325	CS-15A-1.5			X		1					1.5	HOLD													
34				1327	CS-14A-0.5			X		1					0.5									X	X	X			
35				1329	CS-13A-0.5			X		1					0.5									X	X	X			
36				1334	CS-12A-0.5			X		1					0.5									X	X	X			
37				1337	CS-11A-0.5			X		1					0.5									X	X	X			
38				1340	CS-11A-1.5			X		1					1.5	HOLD								X	X	X	X		
39				1345	CS-10A-0.5			X		1					0.5									X	X	X			
40				1348	CS-9A-0.5			X		1					0.5									X	X	X			
41				1351	CS-9A-1.5			X		1					1.5	HOLD													
42				1355	CS-26B-0.5			X		1					0.5									X	X	X			
43				1400	CS-8C-0.5			X		1					0.5									X	X	X			

NOTES

Turn Around Time: Standard
3 pt Composite analyses, per sample ID

Received ☑ On Ice ☐ Ambient ☐ Intact

Pg 4 of 4

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	6-1-06	1730
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
REUNQUISHED 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

CHAIN OF CUSTODY RECORD

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

LABORATORY: [illegible]
JOB NUMBER: 126.054.01.002
NAME / LOCATION: [illegible]
PROJECT MANAGER: AL

SAMPLERS: AN, MT, CJB (OC)
RECORDER: CJB

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	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)	SOSI Pesticides	As 6010B	Pb 6010B	STS 1A Herbicides	SOSI Pesticides 7/12/06 (OC)	
.44	06	06	01	1159	CS-10C-1.5			X			1					1.5	HOLD													
.45				1155	CS-10C-0.5			X			1					0.5								X	X	X				-10
.46				1202	CS-9C-0.5			X			1					0.5								X	X	X				-10
.47				1206	CS-9B-0.5			X			1					0.5								X	X	X				-10
.48				1209	CS-10B-0.5			X			1					0.5								X	X	X				-10
.49				1212	CS-11B-0.5			X			1					0.5								X	X	X	X			-10
.50				1215	CS-12B-0.5			X			1					0.5								X	X	X				-10
.51				1218	CS-12B-1.5			X			1					1.5	HOLD													
.52				1225	CS-13B-0.5			X			1					0.5								X	X	X				-10
.53				1230	CS-15B-0.5			X			1					0.5								X	X	X	X			-10
.54				1228	CS-14B-0.5			X			1					0.5								X	X	X				-10
.55				1235	CS-14B-1.5			X			1					1.5	HOLD													

NOTES

Turn Around Time: Standard
3 pt. composites analyzes, per Sample ID

Received ☑ On ice ☑
☐ Ambient ☑ Intact

Pg 5 of 4

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	6/06	17:30
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

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 12C.059.01.02
NAME / LOCATION: 7200 Cir, Newark
PROJECT MANAGER: AL

SAMPLERS: AL, MR, CJS
RECORDER: CJS

	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)	8081 Pesticides	As, Cd, Cr, Pb	8151A Herbicides	8081 Pesticides 7/12/06 (CJS)	
-56	06	06	01	1110	CS-20A-1.5			X		1					1.5	HOLD												
-57				1115	CS-19A-0.5			X		1					0.5								X	X	X			-10
-58				1118	CS-18A-0.5			X		1					0.5								X	X	X	X		-11
-59				1119	CS-17A-0.5			X		1					0.5								X	X	X			-111
-60				1124	CS-16A-0.5			X		1					0.5								X	X	X			-11.
-61				1126	CS-16A-1.5			X		1					1.5	HOLD												
-62				1130	CS-15C-0.5			X		1					0.5								X	X	X	X		-14
-63				1135	CS-14C-0.5			X		1					0.5								X	X	X			-10
-64				1138	CS-13C-0.5			X		1					0.5								X	X	X			-10
-65				1140	CS-13C-1.5			X		1					1.5	HOLD												
-66				1143	CS-12C-0.5			X		1					0.5								X	X	X			-105
-67				1150	CS-11C-0.5			X		1					0.5								X	X	X	X		-10

ANALYSIS REQUESTED

NOTES

Turn Around Time: Standard
5 pt. composites analyses, per sample ID

Condition: ☑ Cold ☐ Ambient ☑ Intact

Pg 6 of 8

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE 6/1/06	TIME 17:30
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

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis + Tompkins
JOB NUMBER: 126.054.01.002
NAME / LOCATION: 77 acres, Newark
PROJECT MANAGER: Ann Loomis

SAMPLERS: AY, MR, CJB (PES)
RECORDER: CJB

	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)	8081 Pesticides	AS 6010B	PB 6010B	8151A Herbicides	8081 Pesticides 7/10/08				
-68	06	06	01	1018	CS-16C-0.5			X		1					0.5									X	X	X						-112
-69				1023	CS-16B-0.5			X		1					0.5									X	X	X						-112
-70				1030	CS-17B-0.5			X		1					0.5									X	X	X						-111
-71				1035	CS-18B-0.5			X		1					0.5									X	X	X	X					-110
-72				1040	CS-18B-1.5			X		1					1.5	HOLD								X	X	X	X					
-73				1042	CS-19B-0.5			X		1					0.5									X	X	X						-109
-74				1045	CS-20B-0.5			X		1					0.5									X	X	X						-110
75				1055	CS-21B-0.5			X		1					0.5									X	X	X	X					-110
-76				1100	CS-26C-0.5			X		1					0.5									X	X	X						-109
-77				1103	CS-26C-1.5			X		1					1.5	HOLD								X	X	X						
-78				1105	CS-21A-0.5			X		1					0.5									X	X	X	X					-110
-79				1108	CS-20A-0.5			X		1					0.5									X	X	X						-113

NOTES

Turn Around Time: Standard TAT

3 pt. composite sample per sample ID

Received: ☑ On Ice ☑ Cool ☐ Ambient ☑ Intact

Pg 7 of 8

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
Andrew Nolan	[signature]	6-1-08	1730
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

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 126 054.01 GER
NAME / LOCATION: 77 Alvarado, Newark
PROJECT MANAGER: AL

SAMPLERS: AN, MR, CJB
RECORDER: CJB

88065

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)	8081 pesticides	As 6010B	Pb 6010B	8151A Herbicides	8081 Pesticides 7/12/06		
06	06	01	0925	CS-22A-0.5			X		1					0.5									X	X	X				
			0930	CS-22B-0.5			X		1					0.5									X	X	X				
			0940	CS-22C-0.5			X		1					0.5									X	X	X				
			0945	CS-22C-1.5			X		1					1.5	HOLD														
			0948	CS-21C-0.5			X		1					0.5									X	X	X	X			
			0950	CS-21C-1.5			X		1					1.5	HOLD														
			0954	CS-20C-0.5			X		1					0.5									X	X	X				
			0958	CS-19C-0.5			X		1					0.5									X	X	X				
			1000	CS-19C-1.5			X		1					1.5	HOLD														
			1005	CS-18C-0.5			X		1					0.5									X	X	X	X			
			1010	CS-17C-0.5			X		1					0.5									X	X	X				
			1013	CS-17C-1.5			X		1					1.5	HOLD														
06	06	01	1525	CS-6A-1.5																									

020

Zhu 6-2-06

X

NOTES

Turn Around Time: Standard
3 pt. composite analyses, per sample ID's

Received: ☐ On Ice ☐ Ambient ☐ Intact

pg 8 of 8

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
	Paul Ingram	6/1/06	1130
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.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-6A-0.5	Batch#:	115412
Lab ID:	188065-001	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/19/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.6
beta-BHC	ND b	8.6
gamma-BHC	ND b	8.6
delta-BHC	ND b	8.6
Heptachlor	ND b	8.6
Aldrin	ND b	8.6
Heptachlor epoxide	ND b	8.6
Endosulfan I	ND b	8.6
Dieldrin	ND b	17
4,4'-DDE	ND b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	ND # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	ND b	17
gamma-Chlordane	ND b	8.6
alpha-Chlordane	ND b	8.6
Methoxychlor	ND b	86
Toxaphene	270 J b	300

Surrogate	%REC	Limits
TCMX	103 b	41-123
Decachlorobiphenyl	115 b	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
J= Estimated value
b= See narrative
ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-5A-0.5	Batch#:	115412
Lab ID:	188065-002	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/19/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.6
beta-BHC	ND b	8.6
gamma-BHC	ND b	8.6
delta-BHC	ND b	8.6
Heptachlor	ND b	8.6
Aldrin	ND b	8.6
Heptachlor epoxide	ND b	8.6
Endosulfan I	ND b	8.6
Dieldrin	ND b	17
4,4'-DDE	270 b	17
Endrin	29 b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	ND # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	ND b	17
gamma-Chlordane	ND b	8.6
alpha-Chlordane	ND b	8.6
Methoxychlor	ND b	86
Toxaphene	740 b	300

Surrogate	%REC	Limits
TCMX	107 b	41-123
Decachlorobiphenyl	110 b	45-140

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

3.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-3A-0.5	Batch#:	115412
Lab ID:	188065-003	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/19/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.6
beta-BHC	ND b	8.6
gamma-BHC	ND b	8.6
delta-BHC	ND b	8.6
Heptachlor	ND b	8.6
Aldrin	ND b	8.6
Heptachlor epoxide	ND b	8.6
Endosulfan I	ND b	8.6
Dieldrin	ND b	17
4,4'-DDE	200 b	17
Endrin	37 b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	ND # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	64 C b	17
gamma-Chlordane	ND b	8.6
alpha-Chlordane	ND b	8.6
Methoxychlor	ND b	86
Toxaphene	1,100 b	300

Surrogate	%REC	Limits
TCMX	105 b	41-123
Decachlorobiphenyl	109 b	45-140

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

4.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-2A-0.5	Batch#:	115412
Lab ID:	188065-004	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/19/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.5
beta-BHC	ND b	8.5
gamma-BHC	ND b	8.5
delta-BHC	ND b	8.5
Heptachlor	ND b	8.5
Aldrin	ND b	8.5
Heptachlor epoxide	ND b	8.5
Endosulfan I	ND b	8.5
Dieldrin	ND b	17
4,4'-DDE	180 b	17
Endrin	24 # b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	ND # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	54 C b	17
gamma-Chlordane	ND b	8.5
alpha-Chlordane	ND b	8.5
Methoxychlor	ND b	85
Toxaphene	1,000 b	300

Surrogate	%REC	Limits
TCMX	75 b	41-123
Decachlorobiphenyl	107 b	45-140

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

5.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-3B-1.5	Batch#:	115412
Lab ID:	188065-005	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

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

Surrogate	%REC	Limits
TCMX	98 b	41-123
Decachlorobiphenyl	110 b	45-140

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

6.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-5B-0.5	Batch#:	115412
Lab ID:	188065-006	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.5
beta-BHC	ND b	8.5
gamma-BHC	ND b	8.5
delta-BHC	ND b	8.5
Heptachlor	ND b	8.5
Aldrin	ND b	8.5
Heptachlor epoxide	ND b	8.5
Endosulfan I	ND b	8.5
Dieldrin	ND b	17
4,4'-DDE	220 b	17
Endrin	23 # b	17
Endosulfan II	ND b	17
Endosulfan sulfate	17 C b	17
4,4'-DDD	ND # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	76 C b	17
gamma-Chlordane	ND b	8.5
alpha-Chlordane	ND b	8.5
Methoxychlor	ND b	85
Toxaphene	890 b	300

Surrogate	%REC	Limits
TCMX	111 b	41-123
Decachlorobiphenyl	122 b	45-140

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

7.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-5B-1.5	Batch#:	115412
Lab ID:	188065-007	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

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

Surrogate	%REC	Limits
TCMX	105 b	41-123
Decachlorobiphenyl	118 b	45-140

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

8.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-6B-0.5	Batch#:	115412
Lab ID:	188065-008	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.6
beta-BHC	ND b	8.6
gamma-BHC	ND b	8.6
delta-BHC	ND b	8.6
Heptachlor	ND b	8.6
Aldrin	ND b	8.6
Heptachlor epoxide	ND b	8.6
Endosulfan I	ND b	8.6
Dieldrin	ND b	17
4,4'-DDE	35 b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	ND # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	19 C b	17
gamma-Chlordane	ND b	8.6
alpha-Chlordane	ND b	8.6
Methoxychlor	ND b	86
Toxaphene	530 b	300

Surrogate	%REC	Limits
TCMX	111 b	41-123
Decachlorobiphenyl	121 b	45-140

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

9.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-7B-0.5	Batch#:	115412
Lab ID:	188065-009	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.6
beta-BHC	ND b	8.6
gamma-BHC	ND b	8.6
delta-BHC	ND b	8.6
Heptachlor	ND b	8.6
Aldrin	ND b	8.6
Heptachlor epoxide	ND b	8.6
Endosulfan I	ND b	8.6
Dieldrin	ND b	17
4,4'-DDE	65 b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	ND # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	ND b	17
gamma-Chlordane	ND b	8.6
alpha-Chlordane	ND b	8.6
Methoxychlor	ND b	86
Toxaphene	450 b	300

Surrogate	%REC	Limits
TCMX	69 b	41-123
Decachlorobiphenyl	103 b	45-140

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

10.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-7B-1.5	Batch#:	115412
Lab ID:	188065-010	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

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

Surrogate	%REC	Limits
TCMX	113 b	41-123
Decachlorobiphenyl	124 b	45-140

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

11.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-7A-0.5	Batch#:	115412
Lab ID:	188065-011	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.4
beta-BHC	ND b	8.4
gamma-BHC	ND b	8.4
delta-BHC	ND b	8.4
Heptachlor	ND b	8.4
Aldrin	ND b	8.4
Heptachlor epoxide	ND b	8.4
Endosulfan I	ND b	8.4
Dieldrin	ND b	16
4,4'-DDE	ND b	16
Endrin	ND b	16
Endosulfan II	ND b	16
Endosulfan sulfate	ND b	16
4,4'-DDD	ND # b	16
Endrin aldehyde	ND b	16
4,4'-DDT	ND b	16
gamma-Chlordane	ND b	8.4
alpha-Chlordane	ND b	8.4
Methoxychlor	ND b	84
Toxaphene	290 J b	300

Surrogate	%REC	Limits
TCMX	40 * b	41-123
Decachlorobiphenyl	90 b	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
*= Value outside of QC limits; see narrative
J= Estimated value
b= See narrative
ND= Not Detected
RL= Reporting Limit

12.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-7C-0.5	Batch#:	115412
Lab ID:	188065-012	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.6
beta-BHC	ND b	8.6
gamma-BHC	ND b	8.6
delta-BHC	ND b	8.6
Heptachlor	ND b	8.6
Aldrin	ND b	8.6
Heptachlor epoxide	ND b	8.6
Endosulfan I	ND b	8.6
Dieldrin	ND b	17
4,4'-DDE	49 b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	ND # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	ND b	17
gamma-Chlordane	ND b	8.6
alpha-Chlordane	ND b	8.6
Methoxychlor	ND b	86
Toxaphene	390 b	300

Surrogate	%REC	Limits
TCMX	57 b	41-123
Decachlorobiphenyl	112 b	45-140

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

13.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-6C-0.5	Batch#:	115412
Lab ID:	188065-013	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

:leanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.5
beta-BHC	ND b	8.5
gamma-BHC	ND b	8.5
delta-BHC	ND b	8.5
Heptachlor	ND b	8.5
Aldrin	ND b	8.5
Heptachlor epoxide	ND b	8.5
Endosulfan I	ND b	8.5
Dieldrin	ND b	17
4,4'-DDE	40 b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	ND # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	22 C b	17
gamma-Chlordane	ND b	8.5
alpha-Chlordane	ND b	8.5
Methoxychlor	ND b	85
Toxaphene	430 b	300

Surrogate	%REC	Limits
TCMX	108 b	41-123
Decachlorobiphenyl	121 b	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
C= Presence confirmed, but RPD between columns exceeds 40%
b= See narrative
ID= Not Detected
:L= Reporting Limit

14.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-5C-0.5	Batch#:	115412
Lab ID:	188065-014	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

:leanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.5
beta-BHC	ND b	8.5
gamma-BHC	ND b	8.5
delta-BHC	ND b	8.5
Heptachlor	ND b	8.5
Aldrin	ND b	8.5
Heptachlor epoxide	ND b	8.5
Endosulfan I	ND b	8.5
Dieldrin	ND b	17
4,4'-DDE	68 b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	ND # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	31 C b	17
gamma-Chlordane	ND b	8.5
alpha-Chlordane	ND b	8.5
Methoxychlor	ND b	85
Toxaphene	490 b	300

Surrogate	%REC	Limits
TCMX	119 b	41-123
Decachlorobiphenyl	98 b	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
C= Presence confirmed, but RPD between columns exceeds 40%
b= See narrative
ID= Not Detected
:L= Reporting Limit

15.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-3C-0.5	Batch#:	115412
Lab ID:	188065-015	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

:leanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.6
beta-BHC	ND b	8.6
gamma-BHC	ND b	8.6
delta-BHC	ND b	8.6
Heptachlor	ND b	8.6
Aldrin	ND b	8.6
Heptachlor epoxide	ND b	8.6
Endosulfan I	ND b	8.6
Dieldrin	ND b	17
4,4'-DDE	250 b	17
Endrin	18 b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	ND # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	59 C b	17
gamma-Chlordane	ND b	8.6
alpha-Chlordane	ND b	8.6
Methoxychlor	ND b	86
Toxaphene	550 b	300

Surrogate	%REC	Limits
TCMX	106 b	41-123
Decachlorobiphenyl	113 b	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
C= Presence confirmed, but RPD between columns exceeds 40%
b= See narrative
ID= Not Detected
:L= Reporting Limit

16.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-2C-0.5	Batch#:	115412
Lab ID:	188065-016	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.5
beta-BHC	ND b	8.5
gamma-BHC	ND b	8.5
delta-BHC	ND b	8.5
Heptachlor	ND b	8.5
Aldrin	ND b	8.5
Heptachlor epoxide	ND b	8.5
Endosulfan I	ND b	8.5
Dieldrin	17 # b	17
4,4'-DDE	340 b	17
Endrin	33 b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	26 # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	79 C b	17
gamma-Chlordane	ND b	8.5
alpha-Chlordane	ND b	8.5
Methoxychlor	ND b	85
Toxaphene	770 b	300

Surrogate	%REC	Limits
TCMX	73 b	41-123
Decachlorobiphenyl	110 b	45-140

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

17.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-2C-1.5	Batch#:	115412
Lab ID:	188065-017	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

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

Surrogate	%REC	Limits
TCMX	55 b	41-123
Decachlorobiphenyl	96 b	45-140

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

18.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-2B-0.5	Batch#:	115412
Lab ID:	188065-018	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.5
beta-BHC	ND b	8.5
gamma-BHC	ND b	8.5
delta-BHC	ND b	8.5
Heptachlor	ND b	8.5
Aldrin	ND b	8.5
Heptachlor epoxide	ND b	8.5
Endosulfan I	ND b	8.5
Dieldrin	ND b	17
4,4'-DDE	230 b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	ND # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	46 C b	17
gamma-Chlordane	ND b	8.5
alpha-Chlordane	ND b	8.5
Methoxychlor	ND b	85
Toxaphene	450 b	300

Surrogate	%REC	Limits
TCMX	49 b	41-123
Decachlorobiphenyl	97 b	45-140

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

19.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-3B-0.5	Batch#:	115412
Lab ID:	188065-019	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND b	8.4
beta-BHC	ND b	8.4
gamma-BHC	ND b	8.4
delta-BHC	ND b	8.4
Heptachlor	ND b	8.4
Aldrin	ND b	8.4
Heptachlor epoxide	ND b	8.4
Endosulfan I	ND b	8.4
Dieldrin	ND b	16
4,4'-DDE	330 b	16
Endrin	39 # b	16
Endosulfan II	ND b	16
Endosulfan sulfate	22 C b	16
4,4'-DDD	36 C # b	16
Endrin aldehyde	ND b	16
4,4'-DDT	84 b	16
gamma-Chlordane	ND b	8.4
alpha-Chlordane	ND b	8.4
Methoxychlor	ND b	84
Toxaphene	930 b	300

Surrogate	%REC	Limits
TCMX	115 b	41-123
Decachlorobiphenyl	113 b	45-140

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

20.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-6A-1.5	Batch#:	115412
Lab ID:	188065-020	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

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

Surrogate	%REC	Limits
TCMX	112 b	41-123
Decachlorobiphenyl	120 b	45-140

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

21.0

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC347979	Batch#:	115412
Matrix:	Soil	Prepared:	07/18/06
Units:	ug/Kg	Analyzed:	07/19/06
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
gamma-Chlordane	ND	1.7
alpha-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	59

Surrogate	%REC	Limits
TCMX	92	41-123
Decachlorobiphenyl	95	45-140

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

22.0

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC347980	Batch#:	115412
Matrix:	Soil	Prepared:	07/18/06
Units:	ug/Kg	Analyzed:	07/19/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.36	12.02	90	42-124
Heptachlor	13.36	14.24 #	107	43-129
Aldrin	13.36	12.27	92	46-122
Dieldrin	26.71	26.32	99	49-130
Endrin	26.71	24.73	93	48-132
4,4'-DDT	26.71	25.77	96	45-142

Surrogate	%REC	Limits
TCMX	93	41-123
Decachlorobiphenyl	99	45-140

= CCV drift outside limits; average CCV drift within limits per method requirements

23.0

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	188065	Location:	77 Acre Site, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-7B-1.5	Batch#:	115412
MSS Lab ID:	188065-010	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	07/18/06
Basis:	as received	Analyzed:	07/20/06
Diln Fac:	5.000		

Type: MS Cleanup Method: EPA 3620B
Lab ID: QC347981

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<2.152	13.40	14.08	105	47-120
Heptachlor	<2.164	13.40	16.14 #	120	47-127
Aldrin	<2.264	13.40	14.82	111	46-120
Dieldrin	<5.010	26.81	31.84 #	119	48-125
Endrin	<4.573	26.81	27.59	103	49-130
4,4'-DDT	<3.917	26.81	28.22	105	31-145

Surrogate	%REC	Limits
TCMX	112	41-123
Decachlorobiphenyl	120	45-140

Type: MSD Cleanup Method: EPA 3620B
Lab ID: QC347982

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.36	13.94	104	47-120	1	45
Heptachlor	13.36	16.23 #	121	47-127	1	43
Aldrin	13.36	14.63	109	46-120	1	42
Dieldrin	26.73	30.64 #	115	48-125	4	41
Endrin	26.73	28.55	107	49-130	4	47
4,4'-DDT	26.73	27.87	104	31-145	1	52

Surrogate	%REC	Limits
TCMX	106	41-123
Decachlorobiphenyl	123	45-140

#= CCV drift outside limits; average CCV drift within limits per method requirements
RPD= Relative Percent Difference

24.0

DISTRIBUTION

PHASE II INVESTIGATION
80-ACRE SOBRATO SITE
STEVENSON BOULEVARD AND CHERRY STREET
NEWARK, CALIFORNIA

JULY 26, 2006

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